



**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 #:  
A0E0670**

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

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Extractions August 2020

Sample Receiving August 2020

Wet Chem August 2020

## Analytical Case Narrative

## **Analytical Case Narrative**

Client: Anchor QEA, LLC  
Project: Gasco PreRD\_DG 2019 – 4a-b. DOC-CAP Testing Cores  
Apex Work Order Number: A0E0670

Date: 08/21/2020

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

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

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

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



Estella Rieben,  
Quality Systems Manager  
Apex Laboratories, LLC

## Analytical Report



AMENDED REPORT

Monday, August 10, 2020

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

RE: A0E0670 - 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 A0E0670, which was received by the laboratory on 5/22/2020 at 12:20:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1                      2.8 degC

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



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**Apex Laboratories, LLC**

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

AMENDED REPORT

|  |   |  |
|--|---|--|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

**ANALYTICAL REPORT FOR SAMPLES**

**SAMPLE INFORMATION**

| Client Sample ID         | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|--------------------------|---------------|--------|----------------|----------------|
| PDI-174SC-A-08-09-200521 | A0E0670-26    | SE     | 05/21/20 12:10 | 05/22/20 12:20 |
| PDI-174SC-A-09-10-200521 | A0E0670-27    | SE     | 05/21/20 12:10 | 05/22/20 12:20 |

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Darwin Thomas, Business Development Director





**Apex Laboratories, LLC**

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

AMENDED REPORT

|  |   |  |
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| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

ANALYTICAL CASE NARRATIVE

**Work Order: A0E0670**

Amended Report Revision 1: This report supersedes all previous reports.

Reported Samples:

The original report contained results for the following client samples in error:

- "PDI-171SC-A-08-09-200521" (Apex ID: A0E0670-08)
- "PDI-171SC-A-09-10-200521" (Apex ID: A0E0670-09)

The report has been revised to remove these results, and to include results for the following samples:

- "PDI-174SC-A-08-09-200521" (Apex ID: A0E0670-26)
- "PDI-174SC-A-09-10-200521" (Apex ID: A0E0670-27)

David Jack  
Apex Laboratories  
August 10, 2020

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AMENDED REPORT

|  |   |  |
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| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

**Polychlorinated Biphenyls by EPA 8082A**

| Analyte                                      | Sample Result | Detection Limit | Reporting Limit | Units             | Dilution | Date Analyzed         | Method Ref. | Notes              |
|--|---------------|-----------------|-----------------|-------------------|----------|-----------------------|-------------|--------------------|
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |               |                 |                 | <b>Matrix: SE</b> |          | <b>Batch: 0080028</b> |             | <b>AMEND, C-07</b> |
| Aroclor 1016                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1221                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1232                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1242                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1248                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1254                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1260                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1262                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |
| Aroclor 1268                                 | ND            | 0.721           | 1.43            | ug/kg dry         | 1        | 08/05/20 08:20        | EPA 8082A   |                    |

Surrogate: Decachlorobiphenyl (Surr) Recovery: 98 % Limits: 43-120 % 1 08/05/20 08:20 EPA 8082A

|  |    |       |      |                   |   |                       |           |                    |
|--|----|-------|------|-------------------|---|-----------------------|-----------|--------------------|
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |    |       |      | <b>Matrix: SE</b> |   | <b>Batch: 0080028</b> |           | <b>AMEND, C-07</b> |
| Aroclor 1016                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1221                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1232                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1242                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1248                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1254                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1260                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1262                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |
| Aroclor 1268                                 | ND | 0.789 | 1.57 | ug/kg dry         | 1 | 08/05/20 09:31        | EPA 8082A |                    |

Surrogate: Decachlorobiphenyl (Surr) Recovery: 96 % Limits: 43-120 % 1 08/05/20 09:31 EPA 8082A

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AMENDED REPORT

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|--|---|--|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte                                      | Sample Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Date Analyzed         | Method Ref.           | Notes              |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|--------------------|
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |               |                       |                 | <b>Matrix: SE</b>       |          | <b>Batch: 0080030</b> |                       | <b>AMEND, H-08</b> |
| 2,4'-DDD                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| 2,4'-DDE                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| 2,4'-DDT                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| 4,4'-DDD                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| 4,4'-DDE                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| 4,4'-DDT                                     | ND            | 0.544                 | 1.09            | ug/kg dry               | 1        | 08/04/20 20:29        | EPA 8081B             |                    |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i>        |               | <i>Recovery: 76 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>1</i>              | <i>08/04/20 20:29</i> | <i>EPA 8081B</i>   |
| <i>Decachlorobiphenyl (Surr)</i>             |               | <i>88 %</i>           |                 | <i>55-130 %</i>         |          | <i>1</i>              | <i>08/04/20 20:29</i> | <i>EPA 8081B</i>   |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |               |                       |                 | <b>Matrix: SE</b>       |          | <b>Batch: 0080030</b> |                       | <b>AMEND, H-08</b> |
| 2,4'-DDD                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| 2,4'-DDE                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| 2,4'-DDT                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| 4,4'-DDD                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| 4,4'-DDE                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| 4,4'-DDT                                     | ND            | 0.580                 | 1.16            | ug/kg dry               | 1        | 08/04/20 21:02        | EPA 8081B             |                    |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i>        |               | <i>Recovery: 74 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>1</i>              | <i>08/04/20 21:02</i> | <i>EPA 8081B</i>   |
| <i>Decachlorobiphenyl (Surr)</i>             |               | <i>88 %</i>           |                 | <i>55-130 %</i>         |          | <i>1</i>              | <i>08/04/20 21:02</i> | <i>EPA 8081B</i>   |

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AMENDED REPORT

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125  
Portland, OR 97219

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**

Project Number: [none]

Project Manager: Ryan Barth

Report ID:

A0E0670 - 08 10 20 1354

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

| Analyte                                      | Sample Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Date Analyzed         | Method Ref.           | Notes              |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|--------------------|
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |               |                       |                 | <b>Matrix: SE</b>       |          | <b>Batch: 0080029</b> |                       | <b>AMEND, H-08</b> |
| Acenaphthene                                 | 3.24          | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Acenaphthylene                               | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Anthracene                                   | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Benz(a)anthracene                            | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Benzo(a)pyrene                               | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Benzo(b)fluoranthene                         | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Benzo(k)fluoranthene                         | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Benzo(g,h,i)perylene                         | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Chrysene                                     | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Dibenz(a,h)anthracene                        | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| <b>Fluoranthene</b>                          | <b>13.0</b>   | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| <b>Fluorene</b>                              | <b>2.89</b>   | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Indeno(1,2,3-cd)pyrene                       | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| 2-Methylnaphthalene                          | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| Naphthalene                                  | ND            | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| <b>Phenanthrene</b>                          | <b>7.17</b>   | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| <b>Pyrene</b>                                | <b>16.8</b>   | 1.30                  | 2.59            | ug/kg dry               | 1        | 08/03/20 18:15        | EPA 8270D             |                    |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i>    |               | <i>Recovery: 81 %</i> |                 | <i>Limits: 44-120 %</i> |          | <i>1</i>              | <i>08/03/20 18:15</i> | <i>EPA 8270D</i>   |
| <i>p-Terphenyl-d14 (Surr)</i>                |               | <i>93 %</i>           |                 | <i>54-127 %</i>         |          | <i>1</i>              | <i>08/03/20 18:15</i> | <i>EPA 8270D</i>   |

|  |             |      |      |                   |   |                       |           |                    |
|--|-------------|------|------|-------------------|---|-----------------------|-----------|--------------------|
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |             |      |      | <b>Matrix: SE</b> |   | <b>Batch: 0080029</b> |           | <b>AMEND, H-08</b> |
| Acenaphthene                                 | 6.34        | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Acenaphthylene                               | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Anthracene                                   | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Benz(a)anthracene                            | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Benzo(a)pyrene                               | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Benzo(b)fluoranthene                         | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Benzo(k)fluoranthene                         | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Benzo(g,h,i)perylene                         | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Chrysene                                     | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| Dibenz(a,h)anthracene                        | ND          | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| <b>Fluoranthene</b>                          | <b>14.9</b> | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |
| <b>Fluorene</b>                              | <b>2.91</b> | 1.43 | 2.86 | ug/kg dry         | 1 | 08/03/20 19:20        | EPA 8270D |                    |

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Darwin Thomas, Business Development Director



AMENDED REPORT

|  |   |   |
|--|---|---|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br><b>A0E0670 - 08 10 20 1354</b> |
|--|---|---|

**ANALYTICAL SAMPLE RESULTS**

**Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)**

| Analyte                                      | Sample Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Date Analyzed         | Method Ref.           | Notes              |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|--------------------|
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |               |                       |                 | <b>Matrix: SE</b>       |          | <b>Batch: 0080029</b> |                       | <b>AMEND, H-08</b> |
| Indeno(1,2,3-cd)pyrene                       | ND            | 1.43                  | 2.86            | ug/kg dry               | 1        | 08/03/20 19:20        | EPA 8270D             |                    |
| 2-Methylnaphthalene                          | ND            | 1.43                  | 2.86            | ug/kg dry               | 1        | 08/03/20 19:20        | EPA 8270D             |                    |
| Naphthalene                                  | ND            | 1.43                  | 2.86            | ug/kg dry               | 1        | 08/03/20 19:20        | EPA 8270D             |                    |
| <b>Phenanthrene</b>                          | <b>4.07</b>   | 1.43                  | 2.86            | ug/kg dry               | 1        | 08/03/20 19:20        | EPA 8270D             |                    |
| <b>Pyrene</b>                                | <b>20.6</b>   | 1.43                  | 2.86            | ug/kg dry               | 1        | 08/03/20 19:20        | EPA 8270D             |                    |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i>    |               | <i>Recovery: 77 %</i> |                 | <i>Limits: 44-120 %</i> |          | <i>1</i>              | <i>08/03/20 19:20</i> | <i>EPA 8270D</i>   |
| <i>p-Terphenyl-d14 (Surr)</i>                |               | <i>92 %</i>           |                 | <i>54-127 %</i>         |          | <i>1</i>              | <i>08/03/20 19:20</i> | <i>EPA 8270D</i>   |

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| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br><b>A0E0670 - 08 10 20 1354</b> |
|--|---|---|

**ANALYTICAL SAMPLE RESULTS**

**Demand Parameters**

| Analyte                                      | Sample Result | Detection Limit | Reporting Limit | Units             | Dilution | Date Analyzed  | Method Ref.   | Notes                   |
|--|---------------|-----------------|-----------------|-------------------|----------|----------------|---------------|-------------------------|
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |               |                 |                 | <b>Matrix: SE</b> |          |                |               |                         |
| Batch: 0080017                               |               |                 |                 |                   |          |                |               |                         |
| <b>Total Organic Carbon</b>                  | <b>0.022</b>  | 0.020           | 0.020           | % by Weight       | 1        | 08/05/20 14:32 | SM 5310 B MOD | <b>AMEND,H-08, Q-42</b> |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |               |                 |                 | <b>Matrix: SE</b> |          |                |               |                         |
| Batch: 0080017                               |               |                 |                 |                   |          |                |               |                         |
| Total Organic Carbon                         | ND            | 0.020           | 0.020           | % by Weight       | 1        | 08/05/20 15:04 | SM 5310 B MOD | AMEND,H-08              |

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**ANALYTICAL SAMPLE RESULTS**

**Solid and Moisture Determinations**

| Analyte                                      | Sample Result | Detection Limit | Reporting Limit | Units             | Dilution | Date Analyzed  | Method Ref. | Notes        |
|--|---------------|-----------------|-----------------|-------------------|----------|----------------|-------------|--------------|
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |               |                 |                 | <b>Matrix: SE</b> |          |                |             |              |
| Batch: 0080073                               |               |                 |                 |                   |          |                |             |              |
| <b>Total Solids</b>                          | <b>91.3</b>   | 1.00            | 1.00            | % by Weight       | 1        | 08/05/20 12:55 | SM 2540 G   | <b>AMEND</b> |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |               |                 |                 | <b>Matrix: SE</b> |          |                |             |              |
| Batch: 0080073                               |               |                 |                 |                   |          |                |             |              |
| <b>Total Solids</b>                          | <b>83.5</b>   | 1.00            | 1.00            | % by Weight       | 1        | 08/05/20 12:55 | SM 2540 G   | <b>AMEND</b> |

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|--|--|--|

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 |
|---|--------|-----------------|-----------------|-----------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080028 - EPA 3546</b>   |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <b>Sediment</b>   |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <b>Blank (0080028-BLK1)</b> Prepared: 08/03/20 12:17 Analyzed: 08/05/20 07:45 <span style="float: right;">C-07</span>       |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <u>EPA 8082A</u>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| 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        | ---          | ---           | ---   | ---          | --- | ---       |       |
| <i>Surr: Decachlorobiphenyl (Surr) Recovery: 100 % Limits: 43-120 % Dilution: 1x</i>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <b>LCS (0080028-BS1)</b> Prepared: 08/03/20 12:17 Analyzed: 08/05/20 08:03 <span style="float: right;">C-07</span>          |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <u>EPA 8082A</u>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| Aroclor 1016  | 57.7   | 0.670           | 1.33            | ug/kg wet | 1        | 83.3         | ---           | 69    | 47-134%      | --- | ---       |       |
| Aroclor 1260  | 68.0   | 0.670           | 1.33            | ug/kg wet | 1        | 83.3         | ---           | 82    | 53-140%      | --- | ---       |       |
| <i>Surr: Decachlorobiphenyl (Surr) Recovery: 101 % Limits: 43-120 % Dilution: 1x</i>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <b>Duplicate (0080028-DUP1)</b> Prepared: 08/03/20 12:17 Analyzed: 08/05/20 08:55 <span style="float: right;">C-07</span>   |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <u>QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)</u>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <u>EPA 8082A</u>  |        |                 |                 |           |          |              |               |       |              |     |           |       |
| Aroclor 1016  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1221  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1232  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1242  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1248  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1254  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1260  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1262  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| Aroclor 1268  | ND     | 0.722           | 1.43            | ug/kg dry | 1        | ---          | ND            | ---   | ---          | --- | 30%       |       |
| <i>Surr: Decachlorobiphenyl (Surr) Recovery: 90 % Limits: 43-120 % Dilution: 1x</i>   |        |                 |                 |           |          |              |               |       |              |     |           |       |
| <b>Matrix Spike (0080028-MS1)</b> Prepared: 08/03/20 12:17 Analyzed: 08/05/20 10:06 <span style="float: right;">C-07</span> |        |                 |                 |           |          |              |               |       |              |     |           |       |

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|--|---|---|

**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 |
|--|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080028 - EPA 3546</b>                                |        |                       |                 |                         |          | <b>Sediment</b>                                   |               |       |              |     |           |       |
| <b>Matrix Spike (0080028-MS1)</b>                              |        |                       |                 |                         |          | Prepared: 08/03/20 12:17 Analyzed: 08/05/20 10:06 |               |       |              |     |           | C-07  |
| <b>QC Source Sample: PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |        |                       |                 |                         |          |   |               |       |              |     |           |       |
| <b>EPA 8082A</b>   |        |                       |                 |                         |          |   |               |       |              |     |           |       |
| Aroclor 1016   | 53.8   | 0.789                 | 1.57            | ug/kg dry               | 1        | 98.1  | ND            | 55    | 47-134%      | --- | ---       |       |
| Aroclor 1260   | 74.2   | 0.789                 | 1.57            | ug/kg dry               | 1        | 98.1  | ND            | 76    | 53-140%      | --- | ---       |       |
| <i>Surr: Decachlorobiphenyl (Surr)</i>                         |        | <i>Recovery: 91 %</i> |                 | <i>Limits: 43-120 %</i> |          | <i>Dilution: 1x</i>                               |               |       |              |     |           |       |

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte  | Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Spike Amount        | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------------|-----------------|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080030 - EPA 3546</b>  |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>Sediment</b>  |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>Blank (0080030-BLK1)</b> Prepared: 08/03/20 12:19 Analyzed: 08/04/20 19:55  |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <u>EPA 8081B</u>   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| 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        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i>   |        | <i>Recovery: 81 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>Dilution: 1x</i> |               |       |              |     |           |       |
| <i>Decachlorobiphenyl (Surr)</i>   |        | <i>92 %</i>           |                 | <i>55-130 %</i>         |          | <i>"</i>            |               |       |              |     |           |       |
| <b>LCS (0080030-BS1)</b> Prepared: 08/03/20 12:19 Analyzed: 08/04/20 20:12   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <u>EPA 8081B</u>   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| 2,4'-DDD   | 46.8   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 94    | 50-150%      | --- | ---       |       |
| 2,4'-DDE   | 42.9   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 86    | 50-150%      | --- | ---       |       |
| 2,4'-DDT   | 52.2   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 104   | 50-150%      | --- | ---       |       |
| 4,4'-DDD   | 45.0   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 90    | 50-150%      | --- | ---       |       |
| 4,4'-DDE   | 43.6   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 87    | 50-150%      | --- | ---       |       |
| 4,4'-DDT   | 47.2   | 0.500                 | 1.00            | ug/kg wet               | 1        | 50.0                | ---           | 94    | 50-150%      | --- | ---       |       |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i>   |        | <i>Recovery: 84 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>Dilution: 1x</i> |               |       |              |     |           |       |
| <i>Decachlorobiphenyl (Surr)</i>   |        | <i>92 %</i>           |                 | <i>55-130 %</i>         |          | <i>"</i>            |               |       |              |     |           |       |
| <b>Duplicate (0080030-DUP1)</b> Prepared: 08/03/20 12:19 Analyzed: 08/04/20 20:45 <span style="float: right;"><b>H-08</b></span> |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <u>QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)</u>   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <u>EPA 8081B</u>   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| 2,4'-DDD   | ND     | 0.544                 | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| 2,4'-DDE   | ND     | 0.544                 | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| 2,4'-DDT   | ND     | 0.544                 | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| 4,4'-DDD   | ND     | 0.544                 | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| 4,4'-DDE   | ND     | 0.544                 | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| 4,4'-DDT   | ND     | 1.09                  | 1.09            | ug/kg dry               | 1        | ---                 | ND            | ---   | ---          | --- | 30%       |       |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i>   |        | <i>Recovery: 77 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>Dilution: 1x</i> |               |       |              |     |           |       |
| <i>Decachlorobiphenyl (Surr)</i>   |        | <i>92 %</i>           |                 | <i>55-130 %</i>         |          | <i>"</i>            |               |       |              |     |           |       |

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|--|---|--|

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Organochlorine Pesticides by EPA 8081B**

| Analyte  | Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Spike Amount                                      | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes       |
|--|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------|
| <b>Batch 0080030 - EPA 3546</b>                                |        |                       |                 |                         |          | <b>Sediment</b>                                   |               |       |              |     |           |             |
| <b>Matrix Spike (0080030-MS1)</b>                              |        |                       |                 |                         |          | Prepared: 08/03/20 12:19 Analyzed: 08/04/20 21:18 |               |       |              |     |           | <b>H-08</b> |
| <b>QC Source Sample: PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |        |                       |                 |                         |          |   |               |       |              |     |           |             |
| <b>EPA 8081B</b>   |        |                       |                 |                         |          |   |               |       |              |     |           |             |
| 2,4'-DDD   | 50.4   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 87    | 50-150%      | --- | ---       |             |
| 2,4'-DDE   | 45.1   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 78    | 50-150%      | --- | ---       |             |
| 2,4'-DDT   | 61.0   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 106   | 50-150%      | --- | ---       |             |
| 4,4'-DDD   | 52.8   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 92    | 50-150%      | --- | ---       |             |
| 4,4'-DDE   | 46.2   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 80    | 50-150%      | --- | ---       |             |
| 4,4'-DDT   | 54.8   | 0.577                 | 1.15            | ug/kg dry               | 1        | 57.7  | ND            | 95    | 50-150%      | --- | ---       |             |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i>                               |        | <i>Recovery: 78 %</i> |                 | <i>Limits: 42-129 %</i> |          | <i>Dilution: 1x</i>                               |               |       |              |     |           |             |
| <i>Decachlorobiphenyl (Surr)</i>                               |        | <i>88 %</i>           |                 | <i>55-130 %</i>         |          | <i>"</i>  |               |       |              |     |           |             |

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

| Analyte   | Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Spike Amount        | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------------|-----------------|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080029 - EPA 3546</b>                   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>Sediment</b>                                   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>Blank (0080029-BLK1)</b>                       |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| Prepared: 08/03/20 12:18 Analyzed: 08/03/20 17:09 |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <u>EPA 8270D</u>                                  |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| Acenaphthene                                      | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Acenaphthylene                                    | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Anthracene  | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Benz(a)anthracene                                 | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Benzo(a)pyrene                                    | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Benzo(b)fluoranthene                              | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Benzo(k)fluoranthene                              | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Benzo(g,h,i)perylene                              | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Chrysene  | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Dibenz(a,h)anthracene                             | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Fluoranthene                                      | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Fluorene  | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Indeno(1,2,3-cd)pyrene                            | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| 2-Methylnaphthalene                               | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Naphthalene                                       | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Phenanthrene                                      | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| Pyrene  | ND     | 1.14                  | 2.27            | ug/kg wet               | 1        | ---                 | ---           | ---   | ---          | --- | ---       |       |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i>              |        | <i>Recovery: 78 %</i> |                 | <i>Limits: 44-120 %</i> |          | <i>Dilution: 1x</i> |               |       |              |     |           |       |
| <i>p-Terphenyl-d14 (Surr)</i>                     |        | <i>94 %</i>           |                 | <i>54-127 %</i>         |          | <i>"</i>            |               |       |              |     |           |       |

|   |      |      |      |           |   |      |     |     |         |     |     |  |
|---|------|------|------|-----------|---|------|-----|-----|---------|-----|-----|--|
| <b>LCS (0080029-BS1)</b>                          |      |      |      |           |   |      |     |     |         |     |     |  |
| Prepared: 08/03/20 12:18 Analyzed: 08/03/20 17:42 |      |      |      |           |   |      |     |     |         |     |     |  |
| <u>EPA 8270D</u>                                  |      |      |      |           |   |      |     |     |         |     |     |  |
| Acenaphthene                                      | 17.1 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 86  | 40-123% | --- | --- |  |
| Acenaphthylene                                    | 18.4 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 92  | 32-132% | --- | --- |  |
| Anthracene  | 17.7 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 88  | 47-123% | --- | --- |  |
| Benz(a)anthracene                                 | 18.1 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 90  | 49-126% | --- | --- |  |
| Benzo(a)pyrene                                    | 20.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 100 | 45-129% | --- | --- |  |
| Benzo(b)fluoranthene                              | 18.8 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 94  | 45-132% | --- | --- |  |
| Benzo(k)fluoranthene                              | 19.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 95  | 47-132% | --- | --- |  |
| Benzo(g,h,i)perylene                              | 17.3 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 86  | 43-134% | --- | --- |  |
| Chrysene  | 18.0 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 90  | 50-124% | --- | --- |  |
| Dibenz(a,h)anthracene                             | 17.4 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 87  | 45-134% | --- | --- |  |
| Fluoranthene                                      | 18.1 | 1.25 | 2.50 | ug/kg wet | 1 | 20.0 | --- | 90  | 50-127% | --- | --- |  |

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|--|--|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

| Analyte   | Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Spike Amount        | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------------|-----------------|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080029 - EPA 3546</b>                   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>Sediment</b>                                   |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| <b>LCS (0080029-BS1)</b>                          |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| Prepared: 08/03/20 12:18 Analyzed: 08/03/20 17:42 |        |                       |                 |                         |          |                     |               |       |              |     |           |       |
| Fluorene  | 17.4   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 87    | 43-125%      | --- | ---       |       |
| Indeno(1,2,3-cd)pyrene                            | 17.8   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 89    | 45-133%      | --- | ---       |       |
| 2-Methylnaphthalene                               | 17.8   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 89    | 38-122%      | --- | ---       |       |
| Naphthalene                                       | 17.1   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 85    | 35-123%      | --- | ---       |       |
| Phenanthrene                                      | 17.2   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 86    | 50-121%      | --- | ---       |       |
| Pyrene  | 20.4   | 1.25                  | 2.50            | ug/kg wet               | 1        | 20.0                | ---           | 102   | 47-127%      | --- | ---       |       |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i>              |        | <i>Recovery: 79 %</i> |                 | <i>Limits: 44-120 %</i> |          | <i>Dilution: 1x</i> |               |       |              |     |           |       |
| <i>p-Terphenyl-d14 (Surr)</i>                     |        | <i>95 %</i>           |                 | <i>54-127 %</i>         |          | <i>"</i>            |               |       |              |     |           |       |

**Duplicate (0080029-DUP1)** Prepared: 08/03/20 12:18 Analyzed: 08/03/20 18:48 **H-08**

**QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)**

**EPA 8270D**

|                                      |             |                       |      |                         |   |                     |      |     |     |     |     |  |
|--------------------------------------|-------------|-----------------------|------|-------------------------|---|---------------------|------|-----|-----|-----|-----|--|
| Acenaphthene                         | <b>2.61</b> | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | 3.24 | --- | --- | 21  | 30% |  |
| Acenaphthylene                       | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Anthracene                           | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Benz(a)anthracene                    | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Benzo(a)pyrene                       | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Benzo(b)fluoranthene                 | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Benzo(k)fluoranthene                 | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Benzo(g,h,i)perylene                 | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Chrysene                             | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Dibenz(a,h)anthracene                | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Fluoranthene                         | <b>11.6</b> | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | 13.0 | --- | --- | 11  | 30% |  |
| Fluorene                             | <b>2.34</b> | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | 2.89 | --- | --- | 21  | 30% |  |
| Indeno(1,2,3-cd)pyrene               | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| 2-Methylnaphthalene                  | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Naphthalene                          | ND          | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | ND   | --- | --- | --- | 30% |  |
| Phenanthrene                         | <b>6.04</b> | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | 7.17 | --- | --- | 17  | 30% |  |
| Pyrene                               | <b>17.9</b> | 1.31                  | 2.61 | ug/kg dry               | 1 | ---                 | 16.8 | --- | --- | 6   | 30% |  |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> |             | <i>Recovery: 73 %</i> |      | <i>Limits: 44-120 %</i> |   | <i>Dilution: 1x</i> |      |     |     |     |     |  |
| <i>p-Terphenyl-d14 (Surr)</i>        |             | <i>90 %</i>           |      | <i>54-127 %</i>         |   | <i>"</i>            |      |     |     |     |     |  |

**Matrix Spike (0080029-MS1)** Prepared: 08/03/20 12:18 Analyzed: 08/03/20 19:53 **H-08**

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|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

| Analyte  | Result | Detection Limit       | Reporting Limit | Units                   | Dilution | Spike Amount                                      | Source Result | % REC | % REC Limits | RPD  | RPD Limit | Notes |
|--|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|------|-----------|-------|
| <b>Batch 0080029 - EPA 3546</b>                                |        |                       |                 |                         |          |   |               |       |              |      |           |       |
| <b>Sediment</b>  |        |                       |                 |                         |          |   |               |       |              |      |           |       |
| <b>Matrix Spike (0080029-MS1)</b>                              |        |                       |                 |                         |          |   |               |       |              |      |           |       |
|  |        |                       |                 |                         |          | Prepared: 08/03/20 12:18 Analyzed: 08/03/20 19:53 |               |       |              | H-08 |           |       |
| <b>QC Source Sample: PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |        |                       |                 |                         |          |   |               |       |              |      |           |       |
| <b>EPA 8270D</b>   |        |                       |                 |                         |          |   |               |       |              |      |           |       |
| Acenaphthene   | 26.9   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | 6.34          | 89    | 40-123%      | ---  | ---       |       |
| Acenaphthylene   | 21.2   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 92    | 32-132%      | ---  | ---       |       |
| Anthracene   | 22.0   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 95    | 47-123%      | ---  | ---       |       |
| Benz(a)anthracene  | 21.0   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 91    | 49-126%      | ---  | ---       |       |
| Benzo(a)pyrene   | 22.9   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 99    | 45-129%      | ---  | ---       |       |
| Benzo(b)fluoranthene   | 21.4   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 93    | 45-132%      | ---  | ---       |       |
| Benzo(k)fluoranthene   | 21.4   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 93    | 47-132%      | ---  | ---       |       |
| Benzo(g,h,i)perylene   | 19.8   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 86    | 43-134%      | ---  | ---       |       |
| Chrysene   | 20.3   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 88    | 50-124%      | ---  | ---       |       |
| Dibenz(a,h)anthracene  | 20.7   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 89    | 45-134%      | ---  | ---       |       |
| Fluoranthene   | 36.5   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | 14.9          | 93    | 50-127%      | ---  | ---       |       |
| Fluorene   | 23.9   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | 2.91          | 91    | 43-125%      | ---  | ---       |       |
| Indeno(1,2,3-cd)pyrene   | 20.5   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 89    | 45-133%      | ---  | ---       |       |
| 2-Methylnaphthalene  | 22.8   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 98    | 38-122%      | ---  | ---       |       |
| Naphthalene  | 22.4   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | ND            | 97    | 35-123%      | ---  | ---       |       |
| Phenanthrene   | 23.0   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | 4.07          | 82    | 50-121%      | ---  | ---       |       |
| Pyrene   | 42.3   | 1.45                  | 2.89            | ug/kg dry               | 1        | 23.1  | 20.6          | 94    | 47-127%      | ---  | ---       |       |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i>                           |        | <i>Recovery: 77 %</i> |                 | <i>Limits: 44-120 %</i> |          | <i>Dilution: 1x</i>                               |               |       |              |      |           |       |
| <i>p-Terphenyl-d14 (Surr)</i>                                  |        | <i>91 %</i>           |                 | <i>54-127 %</i>         |          | <i>"</i>  |               |       |              |      |           |       |

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|--|---|--|

**QUALITY CONTROL (QC) SAMPLE RESULTS**

**Demand Parameters**

| Analyte  | Result | Detection Limit | Reporting Limit                                   | Units       | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes      |
|--|--------|-----------------|---|-------------|----------|--------------|---------------|-------|--------------|-----|-----------|------------|
| <b>Batch 0080017 - PSEP-5310B TOC</b>                          |        |                 |   |             |          | <b>Soil</b>  |               |       |              |     |           |            |
| <b>Blank (0080017-BLK1)</b>                                    |        |                 | Prepared: 08/03/20 10:32 Analyzed: 08/05/20 14:10 |             |          |              |               |       |              |     |           |            |
| <u>SM 5310 B MOD</u>   |        |                 |   |             |          |              |               |       |              |     |           |            |
| Total Organic Carbon   | ND     | 0.020           | 0.020   | % by Weight | 1        | ---          | ---           | ---   | ---          | --- | ---       |            |
| <b>LCS (0080017-BS1)</b>                                       |        |                 | Prepared: 08/03/20 10:32 Analyzed: 08/05/20 14:21 |             |          |              |               |       |              |     |           |            |
| <u>SM 5310 B MOD</u>   |        |                 |   |             |          |              |               |       |              |     |           |            |
| Total Organic Carbon   | 10000  |                 |   | mg/kg       | 1        | 10000        | ---           | 102   | 88-111%      | --- | ---       |            |
| <b>Duplicate (0080017-DUP1)</b>                                |        |                 | Prepared: 08/03/20 10:32 Analyzed: 08/05/20 14:43 |             |          |              |               |       |              |     |           |            |
| <u>QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)</u> |        |                 |   |             |          |              |               |       |              |     |           |            |
| <u>SM 5310 B MOD</u>   |        |                 |   |             |          |              |               |       |              |     |           |            |
| Total Organic Carbon   | ND     | 0.020           | 0.020   | % by Weight | 1        | ---          | 0.022         | ---   | ---          | *** | 27%       | H-08, Q-05 |
| <b>Duplicate (0080017-DUP2)</b>                                |        |                 | Prepared: 08/03/20 10:32 Analyzed: 08/05/20 14:53 |             |          |              |               |       |              |     |           |            |
| <u>QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)</u> |        |                 |   |             |          |              |               |       |              |     |           |            |
| <u>SM 5310 B MOD</u>   |        |                 |   |             |          |              |               |       |              |     |           |            |
| Total Organic Carbon   | ND     | 0.020           | 0.020   | % by Weight | 1        | ---          | 0.022         | ---   | ---          | *** | 27%       | H-08, Q-05 |

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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 |
|--|--------|-----------------|-----------------|-------------|----------|---|---------------|-------|--------------|-----|-----------|-------|
| <b>Batch 0080073 - Total Solids (SM2540G/PSEP)</b>             |        |                 |                 |             |          | <b>Sediment</b>                                   |               |       |              |     |           |       |
| <b>Duplicate (0080073-DUP1)</b>                                |        |                 |                 |             |          | Prepared: 08/04/20 11:46 Analyzed: 08/05/20 12:55 |               |       |              |     |           |       |
| <u>QC Source Sample: PDI-174SC-A-08-09-200521 (A0E0670-26)</u> |        |                 |                 |             |          |   |               |       |              |     |           |       |
| <u>SM 2540 G</u>   |        |                 |                 |             |          |   |               |       |              |     |           |       |
| Total Solids   | 91.7   | 1.00            | 1.00            | % by Weight | 1        | ---   | 91.3          | ---   | ---          | 0.4 | 10%       |       |

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|--|---|--|

**SAMPLE PREPARATION INFORMATION**

**Polychlorinated Biphenyls by EPA 8082A**

| Prep: EPA 3546        |        |           |                |                | Sample        | Default       | RL Prep |
|-----------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number            | Matrix | Method    | Sampled        | Prepared       | Initial/Final | Initial/Final | Factor  |
| <u>Batch: 0080028</u> |        |           |                |                |               |               |         |
| A0E0670-26            | SE     | EPA 8082A | 05/21/20 12:10 | 08/03/20 12:17 | 30.52g/2mL    | 15g/1mL       | 0.98    |
| A0E0670-27            | SE     | EPA 8082A | 05/21/20 12:10 | 08/03/20 12:17 | 30.51g/2mL    | 15g/1mL       | 0.98    |

**Organochlorine Pesticides by EPA 8081B**

| Prep: EPA 3546        |        |           |                |                | Sample        | Default       | RL Prep |
|-----------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number            | Matrix | Method    | Sampled        | Prepared       | Initial/Final | Initial/Final | Factor  |
| <u>Batch: 0080030</u> |        |           |                |                |               |               |         |
| A0E0670-26            | SE     | EPA 8081B | 05/21/20 12:10 | 08/03/20 12:19 | 10.06g/5mL    | 10g/5mL       | 0.99    |
| A0E0670-27            | SE     | EPA 8081B | 05/21/20 12:10 | 08/03/20 12:19 | 10.33g/5mL    | 10g/5mL       | 0.97    |

**Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)**

| Prep: EPA 3546        |        |           |                |                | Sample        | Default       | RL Prep |
|-----------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number            | Matrix | Method    | Sampled        | Prepared       | Initial/Final | Initial/Final | Factor  |
| <u>Batch: 0080029</u> |        |           |                |                |               |               |         |
| A0E0670-26            | SE     | EPA 8270D | 05/21/20 12:10 | 08/03/20 12:18 | 10.55g/5mL    | 10g/5mL       | 0.95    |
| A0E0670-27            | SE     | EPA 8270D | 05/21/20 12:10 | 08/03/20 12:18 | 10.47g/5mL    | 10g/5mL       | 0.96    |

**Demand Parameters**

| Prep: PSEP-5310B TOC  |        |               |                |                | Sample        | Default       | RL Prep |
|-----------------------|--------|---------------|----------------|----------------|---------------|---------------|---------|
| Lab Number            | Matrix | Method        | Sampled        | Prepared       | Initial/Final | Initial/Final | Factor  |
| <u>Batch: 0080017</u> |        |               |                |                |               |               |         |
| A0E0670-26            | SE     | SM 5310 B MOD | 05/21/20 12:10 | 08/03/20 10:32 |               |               | NA      |
| A0E0670-27            | SE     | SM 5310 B MOD | 05/21/20 12:10 | 08/03/20 10:32 |               |               | NA      |

**Solid and Moisture Determinations**

| Prep: Total Solids (SM2540G/PSEP) |        |           |                |                | Sample        | Default       | RL Prep |
|-----------------------------------|--------|-----------|----------------|----------------|---------------|---------------|---------|
| Lab Number                        | Matrix | Method    | Sampled        | Prepared       | Initial/Final | Initial/Final | Factor  |
| <u>Batch: 0080073</u>             |        |           |                |                |               |               |         |
| A0E0670-26                        | SE     | SM 2540 G | 05/21/20 12:10 | 08/04/20 11:46 |               |               | NA      |
| A0E0670-27                        | SE     | SM 2540 G | 05/21/20 12:10 | 08/04/20 11:46 |               |               | NA      |

Apex Laboratories

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AMENDED REPORT

|  |   |  |
|--|---|--|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

QUALIFIER DEFINITIONS

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

**Apex Laboratories**

- AMEND** Result for this sample or analyte has been amended from the original report. See Case Narrative for details.
- 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.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)

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| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

**REPORTING NOTES AND CONVENTIONS:**

**Abbreviations:**

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

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

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

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

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

**Reporting Conventions:**

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

**QC Source:**

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.  
  
Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

**Miscellaneous Notes:**

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

**Blanks:**

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

Apex Laboratories

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| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

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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AMENDED REPORT

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|--|---|--|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: <b>Ryan Barth</b> | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|---|--|

LABORATORY ACCREDITATION INFORMATION

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

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

**Apex Laboratories**

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

**Secondary Accreditations**

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

**Subcontract Laboratory Accreditations**

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

**Field Testing Parameters**

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

Apex Laboratories

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AMENDED REPORT

**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: A0E0670  
 Portland, OR 97219 Project Manager: Ryan Barth A0E0670 - 08 10 20 1354

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

POC: <sup>#</sup> Delaney Peterson (360-715-2707) Project: Gasco PDI Client: NW Natural  
 1605 Cornwell Avenue, Bellingham, WA 98225

COC ID: APEX1-20200521-162125  
 Sample Custodian: CO  
 Lab: Apex - Archive

| COC Sample Number | Field Sample ID          | Sample Type | Matrix | Collected Date | Time  | Containers | Lab # | OC*                      | Test Request   | Method  | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|-------|------------|-------|--------------------------|----------------|---------|-------|--------------|
| 001               | PDI-171SC-A-01-02-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 002               | PDI-171SC-A-02-03-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 003               | PDI-171SC-A-03-04-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 004               | PDI-171SC-A-04-05-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 005               | PDI-171SC-A-05-06-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 006               | PDI-171SC-A-06-07-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 007               | PDI-171SC-A-07-08-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 008               | PDI-171SC-A-08-09-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 009               | PDI-171SC-A-09-10-200521 | N           | SE     | 05/21/2020     | 15:15 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 010               | PDI-171SC-B-00-02-200521 | N           | SE     | 05/21/2020     | 15:00 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 011               | PDI-171SC-B-02-04-200521 | N           | SE     | 05/21/2020     | 15:00 | 1          |       | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |

| Received By      | Signature          | Print Name       | Company    | Date/Time      |
|------------------|--------------------|------------------|------------|----------------|
| Delaney Peterson | <i>[Signature]</i> | Delaney Peterson | Anchor QEA | 5/21/2020 1100 |
| Ryan Barth       | <i>[Signature]</i> | Ryan Barth       | Anchor QEA | 5/21/2020 1220 |
| Delaney Peterson | <i>[Signature]</i> | Delaney Peterson | Anchor QEA | 5/21/2020 1220 |
| Delaney Peterson | <i>[Signature]</i> | Delaney Peterson | Anchor QEA | 5/21/2020 1220 |

Received By: [Signature] Signature: [Print Name] Company: [Company] Date/Time: [Date/Time]  
 Received By: [Signature] Signature: [Print Name] Company: [Company] Date/Time: [Date/Time]  
 Received By: [Signature] Signature: [Print Name] Company: [Company] Date/Time: [Date/Time]  
 Received By: [Signature] Signature: [Print Name] Company: [Company] Date/Time: [Date/Time]

Comment: \_\_\_\_\_  
 Date Printed: 5/21/2020  
 Page 1 of 3

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*[Signature]*



AMENDED REPORT

**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 A0E0670 - 08 10 20 1354

A0E0670

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



POC: Delaney Peterson (360-715-2707) Project: Gasco PDI Client: NW Natural  
1605 Cornwall Avenue, Bellingham, WA 98225  
COC ID: APEX1-20200521-162125  
Sample Custodian: CO  
Lab: Apex - Archive

| COC Sample Number | Field Sample ID            | Sample Type | Matrix | Collected Date | Time  | Containers | Lab # | Lab OC | Test Request   | Method  | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|----------------|-------|------------|-------|--------|----------------|---------|-------|--------------|
| 011               | PDI-171SC-B-02-04-200521   | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 012               | PDI-171SC-B-04-06-200521   | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 013               | PDI-171SC-B-06-08-200521   | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 014               | PDI-171SC-B-08-10-200521   | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 015               | PDI-171SC-B-10-12-200521   | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 016               | PDI-171SC-B-12-13-5-200521 | N           | SE     | 05/21/2020     | 15:00 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 017               | PDI-173SC-A-01-02-200521   | N           | SE     | 05/21/2020     | 11:45 | 1          |       |        | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 018               | PDI-173SC-A-02-03-200521   | N           | SE     | 05/21/2020     | 11:45 | 1          |       |        | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 019               | PDI-173SC-A-03-04-200521   | N           | SE     | 05/21/2020     | 11:45 | 1          |       |        | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 020               | PDI-173SC-A-06-09-200521   | N           | SE     | 05/21/2020     | 11:45 | 1          |       |        | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 021               | PDI-173SC-A-08-10-200521   | N           | SE     | 05/21/2020     | 11:45 | 1          |       |        | Archive (APEX) | ARCHIVE | -1    | -10°C        |

Comment:

| Received By     | Relinquished By | Received By   | Relinquished By |
|-----------------|-----------------|---------------|-----------------|
|                 |                 |               |                 |
| Loris Henry     | Loris Henry     | Loris Henry   | Loris Henry     |
| AG              | AG              | AG            | AG              |
| 5/21/2020 10:00 | 5/22/20 17:20   | 5/22/20 17:20 | 5/22/20 17:20   |

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

Apex Laboratories

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AMENDED REPORT

**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** **A0E0670 - 08 10 20 1354**

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

**Anchor QEA** 1221 3rd Avenue, Suite 2000, Seattle, WA 98101

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

**COC ID:** APEX1-20200521-162175 **Sample Custodian:** CO **Lab:** Apex - Archive

*A0E0670*

| COC Sample Number | Field Sample ID           | Sample Type | Matrix | Collected Date | Time  | Lab # | OC | Containers | Test Request   | Method  | TAT** | Preservative |
|-------------------|---------------------------|-------------|--------|----------------|-------|-------|----|------------|----------------|---------|-------|--------------|
| 021               | PD-173SC-A-09-10-200521   | N           | SE     | 05/21/2020     | 11:45 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 022               | PD-173SC-A-10-11-200521   | N           | SE     | 05/21/2020     | 11:45 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 023               | PD-173SC-A-11-12-3-200521 | N           | SE     | 05/21/2020     | 11:45 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 024               | PD-174SC-A-01-02-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 025               | PD-174SC-A-02-03-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 026               | PD-174SC-A-08-09-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 027               | PD-174SC-A-09-10-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 028               | PD-174SC-A-10-11-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 029               | PD-174SC-A-11-12-200521   | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 030               | PD-174SC-A-12-12-8-200521 | N           | SE     | 05/21/2020     | 12:10 | 1     |    | 1          | Archive (APEX) | ARCHIVE | -1    | -10°C        |

**Comment:**

| Requested By       | Received By        | Retransmitted By   | Repackaged By      | Received By        |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| Print Name         | Print Name         | Print Name         | Print Name         | Print Name         |
| Company            | Company            | Company            | Company            | Company            |
| Date/Time          | Date/Time          | Date/Time          | Date/Time          | Date/Time          |

*5/21/20 11:00* *5/21/20 12:20* *5/21/20 12:20*

**Date Printed:** 5/21/2020

**Page 3 of 3**

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

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*[Signature]*

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AMENDED REPORT

|  |  |  |
|--|--|--|
| <b>Anchor QEA, LLC</b><br>6720 SW Macadam Ave. Suite 125<br>Portland, OR 97219 | Project: <b>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores</b><br>Project Number: [none]<br>Project Manager: Ryan Barth | <b>Report ID:</b><br>A0E0670 - 08 10 20 1354 |
|--|--|--|

**APEX LABS COOLER RECEIPT FORM**

**Client:** Anchor QEA **Element WO#:** A0 E0670

**Project/Project #:** Gasco PDI APEX 1-20200521-162125 Acmw

**Delivery Info:**  
Date/time received: 5/22/20 @ 1220 By: EJ  
Delivered by: Apex  Client  ESS  FedEx  UPS  Swift  Servoy  SDS  Other

**Cooler Inspection** Date/time inspected: 5/22/20 @ 1332 By: EJ  
Chain of Custody included? Yes  No  Custody seals? Yes  No   
Signed/dated by client? Yes  No   
Signed/dated by Apex? Yes  No

|                            | Cooler #1   | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (°C)           | <u>2.8</u>  |           |           |           |           |           |           |
| Received on ice? (Y/N)     | <u>Y</u>    |           |           |           |           |           |           |
| Temp. blanks? (Y/N)        | <u>Y</u>    |           |           |           |           |           |           |
| Ice type: (Gel/Real/Other) | <u>Real</u> |           |           |           |           |           |           |
| Condition:                 | <u>Good</u> |           |           |           |           |           |           |

Cooler out of temp? (Y/N)  Possible reason why: \_\_\_\_\_  
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: 5/22/20 @ 1532 By: KRS  
All samples intact? Yes  No  Comments: \_\_\_\_\_  
Bottle labels/COCs agree? Yes  No  Comments: \_\_\_\_\_  
COC/container discrepancies form initiated? Yes  No  NA   
Containers/volumes received appropriate for analysis? Yes  No  Comments: \_\_\_\_\_  
Do VOA vials have visible headspace? Yes  No  NA   
Comments: \_\_\_\_\_  
Water samples: pH checked: Yes  No  NA  pH appropriate? Yes  No  NA   
Comments: \_\_\_\_\_

**Additional information:**  
\_\_\_\_\_  
\_\_\_\_\_

Labeled by: TAG Witness: JS Cooler Inspected by: KRS See Project Contact Form: Y

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

**A0E0670**

**Apex Laboratories**

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

|                                |                             |
|--------------------------------|-----------------------------|
| <b>Report To:</b>              | <b>Invoice To:</b>          |
| Anchor QEA, LLC                | Anchor QEA, LLC Seattle     |
| Ryan Barth                     | Accounts Payable            |
| 6720 SW Macadam Ave. Suite 125 | 1201 3rd Avenue, Suite 2600 |
| Portland, OR 97219             | Seattle, WA 98101           |
| Phone: (503) 670-1108          | Phone : (206) 287-9130      |
| Fax: na                        | Fax: (206) 287-9131         |

|  |                                       |
|--|---------------------------------------|
| <b>Date Due:</b> 08/07/20 17:00 (53 day TAT) |                                       |
| <b>Received By:</b> Eli S. Joyner            | <b>Date Received:</b> 05/22/20 12:20  |
| <b>Logged In By:</b> Kristen R. Sherwood     | <b>Date Logged In:</b> 05/22/20 15:34 |

|                                    |     |                   |     |                  |     |              |    |                 |     |
|------------------------------------|-----|-------------------|-----|------------------|-----|--------------|----|-----------------|-----|
| <b>Cooler #1 received at 2.8°C</b> |     |                   |     |                  |     |              |    |                 |     |
| 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 |
|--|----------------|-----|----------------|----------|
| <b>A0E0670-01 PDI-171SC-A-01-02-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |
| <b>A0E0670-02 PDI-171SC-A-02-03-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |
| <b>A0E0670-03 PDI-171SC-A-03-04-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |
| <b>A0E0670-04 PDI-171SC-A-04-05-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |
| <b>A0E0670-05 PDI-171SC-A-05-06-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |
| <b>A0E0670-06 PDI-171SC-A-06-07-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:15 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>   |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:15 |          |

A0E0670

Apex Laboratories

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

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

**A0E0670-07 PDI-171SC-A-07-08-200521 [Sediment] Sampled 05/21/20**

**15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 15:15 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-08 PDI-171SC-A-08-09-200521 [Sediment] Sampled 05/21/20**

**15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

**Dry Weight**

|            |                |    |                |   |
|------------|----------------|----|----------------|---|
| Dry Weight | 07/29/20 17:00 | 10 | 11/17/20 15:15 | Use Results from TS.. Make NR once completed. |
|------------|----------------|----|----------------|---|

**Project Mgmt**

|              |                |    |                |  |
|--------------|----------------|----|----------------|--|
| Data Package | 07/29/20 17:00 | 10 | 08/28/20 15:15 |  |
|--------------|----------------|----|----------------|--|

**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 15:15 |  |
|--------------------------|----------------|----|----------------|--|

**Semivols (ECD)**

|                               |                |    |                |                        |
|-------------------------------|----------------|----|----------------|------------------------|
| 8081B-2,4+4,4-DDx Only (+Add) | 07/29/20 17:00 | 10 | 06/04/20 15:15 | MDL. Use Custom Spike. |
|-------------------------------|----------------|----|----------------|------------------------|

|                                 |                |    |                |            |
|---------------------------------|----------------|----|----------------|------------|
| 8082 PCBs - Low Level (15g/1mL) | 07/29/20 17:00 | 10 | 05/21/21 15:15 | +1262,1268 |
|---------------------------------|----------------|----|----------------|------------|

**Semivols (Scan)**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| 8270D-LL PAH Only (Scan) | 07/29/20 17:00 | 10 | 06/04/20 15:15 |  |
|--------------------------|----------------|----|----------------|--|

**Wet Chem**

|                             |                |    |                |   |
|-----------------------------|----------------|----|----------------|---|
| Solids, Total (SM-2540-G,B) | 07/29/20 17:00 | 10 | 11/17/20 15:15 | Use Results for Dry Weight (Not for Waters) |
|-----------------------------|----------------|----|----------------|---|

|                                      |                |    |                |  |
|--------------------------------------|----------------|----|----------------|--|
| Total Organic Carbon - Soil (5310-B) | 07/29/20 17:00 | 10 | 06/18/20 15:15 |  |
|--------------------------------------|----------------|----|----------------|--|

**A0E0670-09 PDI-171SC-A-09-10-200521 [Sediment] Sampled 05/21/20**

**15:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

**Dry Weight**

|            |                |    |                |   |
|------------|----------------|----|----------------|---|
| Dry Weight | 07/29/20 17:00 | 10 | 11/17/20 15:15 | Use Results from TS.. Make NR once completed. |
|------------|----------------|----|----------------|---|

**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 15:15 |  |
|--------------------------|----------------|----|----------------|--|

**Semivols (ECD)**

|                               |                |    |                |                        |
|-------------------------------|----------------|----|----------------|------------------------|
| 8081B-2,4+4,4-DDx Only (+Add) | 07/29/20 17:00 | 10 | 06/04/20 15:15 | MDL. Use Custom Spike. |
|-------------------------------|----------------|----|----------------|------------------------|

|                                 |                |    |                |            |
|---------------------------------|----------------|----|----------------|------------|
| 8082 PCBs - Low Level (15g/1mL) | 07/29/20 17:00 | 10 | 05/21/21 15:15 | +1262,1268 |
|---------------------------------|----------------|----|----------------|------------|

**Semivols (Scan)**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| 8270D-LL PAH Only (Scan) | 07/29/20 17:00 | 10 | 06/04/20 15:15 |  |
|--------------------------|----------------|----|----------------|--|

**Wet Chem**

|                             |                |    |                |   |
|-----------------------------|----------------|----|----------------|---|
| Solids, Total (SM-2540-G,B) | 07/29/20 17:00 | 10 | 11/17/20 15:15 | Use Results for Dry Weight (Not for Waters) |
|-----------------------------|----------------|----|----------------|---|

|                                      |                |    |                |  |
|--------------------------------------|----------------|----|----------------|--|
| Total Organic Carbon - Soil (5310-B) | 07/29/20 17:00 | 10 | 06/18/20 15:15 |  |
|--------------------------------------|----------------|----|----------------|--|

A0E0670

Apex Laboratories

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

| Analysis   | Due            | TAT | Expires        | Comments |
|--|----------------|-----|----------------|----------|
| <b>A0E0670-10 PDI-171SC-B-00-02-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-11 PDI-171SC-B-02-04-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-12 PDI-171SC-B-04-06-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-13 PDI-171SC-B-06-08-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-14 PDI-171SC-B-08-10-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-15 PDI-171SC-B-10-12-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-16 PDI-171SC-B-12-13.5-200521 [Sediment] Sampled 05/21/20</b> |                |     |                |          |
| <b>15:00 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 15:00 |          |
| <b>A0E0670-17 PDI-173SC-A-01-02-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>11:45 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 11:45 |          |
| <b>A0E0670-18 PDI-173SC-A-02-03-200521 [Sediment] Sampled 05/21/20</b>   |                |     |                |          |
| <b>11:45 (GMT-08:00) Pacific Time (US &amp; Canada) 1 Containers</b>     |                |     |                |          |
| <b>Sample Control</b>  |                |     |                |          |
| Archive Samples - Frozen   | 06/05/20 17:00 | 10  | 05/22/20 11:45 |          |

**A0E0670**

**Apex Laboratories**

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

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

**A0E0670-19 PDI-173SC-A-03-04-200521 [Sediment] Sampled 05/21/20**  
**11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 11:45 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-20 PDI-173SC-A-08-09-200521 [Sediment] Sampled 05/21/20**  
**11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 11:45 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-21 PDI-173SC-A-09-10-200521 [Sediment] Sampled 05/21/20**  
**11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 11:45 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-22 PDI-173SC-A-10-11-200521 [Sediment] Sampled 05/21/20**  
**11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 11:45 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-23 PDI-173SC-A-11-12.3-200521 [Sediment] Sampled 05/21/20**  
**11:45 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 11:45 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-24 PDI-174SC-A-01-02-200521 [Sediment] Sampled 05/21/20**  
**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 12:10 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670-25 PDI-174SC-A-02-03-200521 [Sediment] Sampled 05/21/20**  
**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**  
**Sample Control**

|                          |                |    |                |  |
|--------------------------|----------------|----|----------------|--|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 12:10 |  |
|--------------------------|----------------|----|----------------|--|

**A0E0670**

**Apex Laboratories**

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

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

**A0E0670-26 PDI-174SC-A-08-09-200521 [Sediment] Sampled 05/21/20**

**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

| Analysis                             | Due            | TAT | Expires        | Comments                                      |
|--------------------------------------|----------------|-----|----------------|---|
| <b>Dry Weight</b>                    |                |     |                |   |
| Dry Weight                           | 08/05/20 17:00 | 3   | 11/17/20 12:10 | Use Results from TS.. Make NR once completed. |
| <b>Sample Control</b>                |                |     |                |   |
| Archive Samples - Frozen             | 08/05/20 17:00 | 3   | 05/22/20 12:10 |   |
| <b>Semivols (ECD)</b>                |                |     |                |   |
| 8081B 2,4+4,4-DDx Only (+Add)        | 08/05/20 17:00 | 3   | 06/04/20 12:10 | MDL. Use Custom Spike.                        |
| 8082 PCBs - Low Level (15g/1mL)      | 08/05/20 17:00 | 3   | 05/21/21 12:10 | +1262,1268                                    |
| <b>Semivols (Scan)</b>               |                |     |                |   |
| 8270D LL PAH Only (Scan)             | 08/05/20 17:00 | 3   | 06/04/20 12:10 |   |
| <b>Wet Chem</b>                      |                |     |                |   |
| Solids, Total (SM 2540 G,B)          | 08/05/20 17:00 | 3   | 11/17/20 12:10 | Use Results for Dry Weight (Not for Waters)   |
| Total Organic Carbon - Soil (5310 B) | 08/05/20 17:00 | 3   | 06/18/20 12:10 |   |

**A0E0670-27 PDI-174SC-A-09-10-200521 [Sediment] Sampled 05/21/20**

**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

| Analysis                             | Due            | TAT | Expires        | Comments                                      |
|--------------------------------------|----------------|-----|----------------|---|
| <b>Dry Weight</b>                    |                |     |                |   |
| Dry Weight                           | 08/05/20 17:00 | 3   | 11/17/20 12:10 | Use Results from TS.. Make NR once completed. |
| <b>Sample Control</b>                |                |     |                |   |
| Archive Samples - Frozen             | 08/05/20 17:00 | 3   | 05/22/20 12:10 |   |
| <b>Semivols (ECD)</b>                |                |     |                |   |
| 8081B 2,4+4,4-DDx Only (+Add)        | 08/05/20 17:00 | 3   | 06/04/20 12:10 | MDL. Use Custom Spike.                        |
| 8082 PCBs - Low Level (15g/1mL)      | 08/05/20 17:00 | 3   | 05/21/21 12:10 | +1262,1268                                    |
| <b>Semivols (Scan)</b>               |                |     |                |   |
| 8270D LL PAH Only (Scan)             | 08/05/20 17:00 | 3   | 06/04/20 12:10 |   |
| <b>Wet Chem</b>                      |                |     |                |   |
| Solids, Total (SM 2540 G,B)          | 08/05/20 17:00 | 3   | 11/17/20 12:10 | Use Results for Dry Weight (Not for Waters)   |
| Total Organic Carbon - Soil (5310 B) | 08/05/20 17:00 | 3   | 06/18/20 12:10 |   |

**A0E0670-28 PDI-174SC-A-10-11-200521 [Sediment] Sampled 05/21/20**

**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

| Analysis                 | Due            | TAT | Expires        | Comments |
|--------------------------|----------------|-----|----------------|----------|
| <b>Sample Control</b>    |                |     |                |          |
| Archive Samples - Frozen | 06/05/20 17:00 | 10  | 05/22/20 12:10 |          |

**A0E0670-29 PDI-174SC-A-11-12-200521 [Sediment] Sampled 05/21/20**

**12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

| Analysis                 | Due            | TAT | Expires        | Comments |
|--------------------------|----------------|-----|----------------|----------|
| <b>Sample Control</b>    |                |     |                |          |
| Archive Samples - Frozen | 06/05/20 17:00 | 10  | 05/22/20 12:10 |          |

A0E0670

Apex Laboratories

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

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

| Analysis | Due | TAT | Expires | Comments |
|----------|-----|-----|---------|----------|
|----------|-----|-----|---------|----------|

A0E0670-30 PDI-174SC-A-12-12.8-200521 [Sediment] Sampled 05/21/20

12:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

|                          |                |    |                |
|--------------------------|----------------|----|----------------|
| Archive Samples - Frozen | 06/05/20 17:00 | 10 | 05/22/20 12:10 |
|--------------------------|----------------|----|----------------|



**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

*ADE0670*

**COC ID:** APEX1-20200521-162125  
**Sample Custodian:** CO  
**Lab:** Apex - Archive

**POC: #** Delaney Peterson (360-715-2707)  
 1605 Cornwall Avenue, Bellingham, WA 98225  
**Project:** Gasco PDI  
**Client:** NW Natural

| COC Sample Number | Field Sample ID          | Sample Type | Matrix | Collected Date | Time  | Containers # | Lab QC*                  | Test Request   | Method  | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|-------|--------------|--------------------------|----------------|---------|-------|--------------|
| 001               | PDI-171SC-A-01-02-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 002               | PDI-171SC-A-02-03-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 003               | PDI-171SC-A-03-04-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 004               | PDI-171SC-A-04-05-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 005               | PDI-171SC-A-05-06-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 006               | PDI-171SC-A-06-07-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 007               | PDI-171SC-A-07-08-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 008               | PDI-171SC-A-08-09-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 009               | PDI-171SC-A-09-10-200521 | N           | SE     | 05/21/2020     | 15:15 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 010               | PDI-171SC-B-00-02-200521 | N           | SE     | 05/21/2020     | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 011               | PDI-171SC-B-02-04-200521 | N           | SE     | 05/21/2020     | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE |       |              |

Comment:

| Relinquished By:                   | Received By:                  | Relinquished By: | Received By: | Relinquished By: | Received By: |
|------------------------------------|-------------------------------|------------------|--------------|------------------|--------------|
| Signature<br><i>James Peterson</i> | Signature<br><i>Eli Doyle</i> | Signature        | Signature    | Signature        | Signature    |
| Print Name<br>James Peterson       | Print Name<br>Eli Doyle       | Print Name       | Print Name   | Print Name       | Print Name   |
| Company<br>Anchor QEA              | Company<br>APEX LABS          | Company          | Company      | Company          | Company      |
| Date/Time<br>5/24/2020 1100        | Date/Time<br>5/22/20 1220     | Date/Time        | Date/Time    | Date/Time        | Date/Time    |

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

*AOE0670*

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

**Project:** Gasco PDI  
**Client:** NW Natural

**COC ID:** APEX1-20200521-162125  
**Sample Custodian:** CO  
**Lab:** Apex - Archive

| COC Sample Number | Field Sample ID            | Sample Type | Matrix | Collected  |       | Containers # | Lab QC*                  | Test Request   | Method  | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|------------|-------|--------------|--------------------------|----------------|---------|-------|--------------|
|                   |                            |             |        | Date       | Time  |              |                          |                |         |       |              |
| 011               | PDI-171SC-B-02-04-200521   | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 012               | PDI-171SC-B-04-06-200521   | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 013               | PDI-171SC-B-06-08-200521   | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 014               | PDI-171SC-B-08-10-200521   | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 015               | PDI-171SC-B-10-12-200521   | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 016               | PDI-171SC-B-12-13.5-200521 | N           | SE     | 05/21/2020 | 15:00 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | 30    | -10°C        |
| 017               | PDI-173SC-A-01-02-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 018               | PDI-173SC-A-02-03-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 019               | PDI-173SC-A-03-04-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 020               | PDI-173SC-A-08-09-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 021               | PDI-173SC-A-09-10-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |

Comment:

|                                     |                |            |            |            |            |                                 |            |            |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|------------|---------------------------------|------------|------------|------------|------------|------------|
| Relinquished By: <i>[Signature]</i> |                |            |            |            |            | Received By: <i>[Signature]</i> |            |            |            |            |            |
| Signature                           | Signature      | Signature  | Signature  | Signature  | Signature  | Signature                       | Signature  | Signature  | Signature  | Signature  | Signature  |
| Print Name                          | Print Name     | Print Name | Print Name | Print Name | Print Name | Print Name                      | Print Name | Print Name | Print Name | Print Name | Print Name |
| Company                             | Company        | Company    | Company    | Company    | Company    | Company                         | Company    | Company    | Company    | Company    | Company    |
| Date/Time                           | Date/Time      | Date/Time  | Date/Time  | Date/Time  | Date/Time  | Date/Time                       | Date/Time  | Date/Time  | Date/Time  | Date/Time  | Date/Time  |
|                                     | 5/22/2020/1100 |            | 5/22/20    |            | 1720       |                                 |            |            |            |            |            |

Date Printed: 5/21/2020

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

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

*ADE067D*

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

**Project:** Gasco PDI  
**Client:** NW Natural

**COC ID:** APEX1-20200521-162125  
**Sample Custodian:** CO  
**Lab:** Apex - Archive

| COC Sample Number | Field Sample ID            | Sample Type | Matrix | Collected  |       | Containers # | Lab QC*                  | Test Request   | Method  | TAT** | Preservative |
|-------------------|----------------------------|-------------|--------|------------|-------|--------------|--------------------------|----------------|---------|-------|--------------|
|                   |                            |             |        | Date       | Time  |              |                          |                |         |       |              |
| 021               | PDI-173SC-A-09-10-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 022               | PDI-173SC-A-10-11-200521   | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 023               | PDI-173SC-A-11-12.3-200521 | N           | SE     | 05/21/2020 | 11:45 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 024               | PDI-174SC-A-01-02-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 025               | PDI-174SC-A-02-03-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 026               | PDI-174SC-A-08-09-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 027               | PDI-174SC-A-09-10-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 028               | PDI-174SC-A-10-11-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 029               | PDI-174SC-A-11-12-200521   | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |
| 030               | PDI-174SC-A-12-12.8-200521 | N           | SE     | 05/21/2020 | 12:10 | 1            | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1    | -10°C        |

Comment:

|  |  |                               |                           |                               |                           |
|--|--|-------------------------------|---------------------------|-------------------------------|---------------------------|
| Relinquished By:<br>Signature <i>[Signature]</i> | Received By:<br>Signature <i>[Signature]</i> | Relinquished By:<br>Signature | Received By:<br>Signature | Relinquished By:<br>Signature | Received By:<br>Signature |
| Print Name Lucas Henry                           | Print Name Eli Joyner                        | Print Name                    | Print Name                | Print Name                    | Print Name                |
| Company AQ                                       | Company APEX LABS                            | Company                       | Company                   | Company                       | Company                   |
| Date/Time 5/22/2020/1100                         | Date/Time 5/22/20 1220                       | Date/Time                     | Date/Time                 | Date/Time                     | Date/Time                 |

**APEX LABS COOLER RECEIPT FORM**

Client: Anchor QEA Element WO#: A0 E0670

Project/Project #: Gasco PDI APEX 1-20200521-162125 Active

**Delivery Info:**

Date/time received: 5/22/20 @ 1220 By: EJ

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

**Cooler Inspection** Date/time inspected: 5/22/20 @ 1332 By: EJ

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

Signed/dated by client? Yes  No

Signed/dated by Apex? Yes  No

|                            | Cooler #1   | Cooler #2 | Cooler #3 | Cooler #4 | Cooler #5 | Cooler #6 | Cooler #7 |
|----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Temperature (°C)           | <u>2.8</u>  |           |           |           |           |           |           |
| Received on ice? (Y/N)     | <u>Y</u>    |           |           |           |           |           |           |
| Temp. blanks? (Y/N)        | <u>Y</u>    |           |           |           |           |           |           |
| Ice type: (Gel/Real/Other) | <u>Real</u> |           |           |           |           |           |           |
| Condition:                 | <u>Good</u> |           |           |           |           |           |           |

Cooler out of temp? (Y/N)  Possible reason why: \_\_\_\_\_  
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: 5/22/20 @ 1532 By: KRS

All samples intact? Yes  No  Comments: \_\_\_\_\_

Bottle labels/COCs agree? Yes  No  Comments: \_\_\_\_\_

COC/container discrepancies form initiated? Yes  No  NA

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

Do VOA vials have visible headspace? Yes  No  NA

Comments: \_\_\_\_\_

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

Comments: \_\_\_\_\_

**Additional information:** \_\_\_\_\_  
\_\_\_\_\_

Labeled by: TAG Witness: JS Cooler Inspected by: KRS See Project Contact Form: Y

## 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

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

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**Client Sample Id:**

**Lab Sample Id:**

**Matrix**

PDI-174SC-A-08-09-200521

A0E0670-26

SE

PDI-174SC-A-09-10-200521

A0E0670-27

SE

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

Signature: \_\_\_\_\_



Name: \_\_\_\_\_

David G. Jack

Forms Created: \_\_\_\_\_

8/11/2020 2:44PM

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 evaluated to the MDL in this report .



# ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-174SC-A-08-09-200521

|                                      |  |  |
|--------------------------------------|--|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                                |  |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> |  |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-26</u>                               | File ID: <u>ECD2F006.D</u>                               |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:17</u>                                | Analyzed: <u>08/05/20 08:20</u>                          |
| Solids: <u>91.32</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>30.52 g / 2 mL</u>                     |
| Batch: <u>0080028</u>                | Sequence: <u>0H05027</u>                                       | Calibration: <u>A0G2702</u> Instrument: <u>DUALECD2F</u> |

| CAS NO.    | COMPOUND     | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1        | 0.721             | U |
| 11104-28-2 | Aroclor 1221 | 1        | 0.721             | U |
| 11141-16-5 | Aroclor 1232 | 1        | 0.721             | U |
| 53469-21-9 | Aroclor 1242 | 1        | 0.721             | U |
| 12672-29-6 | Aroclor 1248 | 1        | 0.721             | U |
| 11097-69-1 | Aroclor 1254 | 1        | 0.721             | U |
| 11096-82-5 | Aroclor 1260 | 1        | 0.721             | U |
| 37324-23-5 | Aroclor 1262 | 1        | 0.721             | U |
| 11100-14-4 | Aroclor 1268 | 1        | 0.721             | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr)  | 17.9              | 17.6             | 98    | 43 - 120  |   |

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-174SC-A-09-10-200521

|                                      |  |  |
|--------------------------------------|--|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                                |  |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> |  |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-27</u>                               | File ID: <u>ECD2F010.D</u>                               |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:17</u>                                | Analyzed: <u>08/05/20 09:31</u>                          |
| Solids: <u>83.47</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>30.51 g / 2 mL</u>                     |
| Batch: <u>0080028</u>                | Sequence: <u>0H05027</u>                                       | Calibration: <u>A0G2702</u> Instrument: <u>DUALECD2F</u> |

| CAS NO.    | COMPOUND     | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1        | 0.789             | U |
| 11104-28-2 | Aroclor 1221 | 1        | 0.789             | U |
| 11141-16-5 | Aroclor 1232 | 1        | 0.789             | U |
| 53469-21-9 | Aroclor 1242 | 1        | 0.789             | U |
| 12672-29-6 | Aroclor 1248 | 1        | 0.789             | U |
| 11097-69-1 | Aroclor 1254 | 1        | 0.789             | U |
| 11096-82-5 | Aroclor 1260 | 1        | 0.789             | U |
| 37324-23-5 | Aroclor 1262 | 1        | 0.789             | U |
| 11100-14-4 | Aroclor 1268 | 1        | 0.789             | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr)  | 19.6              | 18.8             | 96    | 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 Co

Batch: 0080028

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME                    | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED  | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank                          | 0080028-BLK1  | ECD2F004.D  | 08/03/20 12:17 |              |
| LCS                            | 0080028-BS1   | ECD2F005.D  | 08/03/20 12:17 |              |
| PDI-174SC-A-08-09-200521 (Dup) | 0080028-DUP1  | ECD2F008.D  | 08/03/20 12:17 |              |
| PDI-174SC-A-09-10-200521 (MS)  | 0080028-MS1   | ECD2F012.D  | 08/03/20 12:17 |              |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | ECD2F006.D  | 08/03/20 12:17 |              |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | ECD2F010.D  | 08/03/20 12:17 |              |

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: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |                                   |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |                                   |
| Matrix: <u>Sediment</u>              | Laboratory ID: <u>0080028-BLK1</u>                            | File ID: <u>ECD2F004.D</u>        |
| Prepared: <u>08/03/20 12:17</u>      | Preparation: <u>EPA 3546</u>                                  | Initial/Final: <u>31 g / 2 mL</u> |
| Analyzed: <u>08/05/20 07:45</u>      | Instrument: <u>DUALECD2F</u>                                  |                                   |
| Batch: <u>0080028</u>                | Sequence: <u>0H05027</u>                                      | Calibration: <u>A0G2702</u>       |

| 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)  | 32.3              | 32.3             | 100   | 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: 0080028

Laboratory ID: 0080028-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

| COMPOUND     | SPIKE<br>ADDED<br>(ug/kg wet) | LCS<br>CONCENTRATION<br>(ug/kg wet) | LCS<br>% REC.<br>(* = Out) | QC<br>LIMITS<br>REC. |
|--------------|-------------------------------|-------------------------------------|----------------------------|----------------------|
| Aroclor 1016 | 83.3                          | 57.7                                | 69                         | 47 - 134             |
| Aroclor 1260 | 83.3                          | 68.0                                | 82                         | 53 - 140             |

\* = Values outside of QC limits

# DUPLICATES

PDI-174SC-A-08-09-200521

## EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0080028-DUP1

Batch: 0080028

Lab Source ID: A0E0670-26

Preparation: EPA 3546

Initial/Final: 30.47 g / 2 mL

Source Sample Name: PDI-174SC-A-08-09-200521

% Solids: 91.32

| ANALYTE      | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD    |
|--------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| Aroclor 1016 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1221 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1232 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1242 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1248 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1254 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1260 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1262 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |
| Aroclor 1268 | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8082A |

\* Values outside of QC limits

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-174SC-A-09-10-200521

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: 0080028

Laboratory ID: 0080028-MS1

Preparation: EPA 3546

Initial/Final: 30.53 g / 2 mL

Source Sample Name: PDI-174SC-A-09-10-200521

| COMPOUND     | SPIKE<br>ADDED<br>(ug/kg dry) | SAMPLE<br>CONCENTRATION<br>(ug/kg dry) | MS<br>CONCENTRATION<br>(ug/kg dry) | MS<br>% REC.<br>(* = Out) | QC<br>LIMITS<br>REC. |
|--------------|-------------------------------|--|------------------------------------|---------------------------|----------------------|
| Aroclor 1016 | 98.1                          | ND                                     | 53.8                               | 55                        | 47 - 134             |
| Aroclor 1260 | 98.1                          | ND                                     | 74.2                               | 76                        | 53 - 140             |

# 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: 0G24014

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0G2702

| Sample Name       | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| Initial Cal Blank | 0G24014-ICB1  | ECD2F003.D  | 07/24/20 07:43     |
| Cal Standard      | 0G24014-CAL1  | ECD2F004.D  | 07/24/20 08:00     |
| Cal Standard      | 0G24014-CAL2  | ECD2F005.D  | 07/24/20 08:18     |
| Cal Standard      | 0G24014-CAL3  | ECD2F006.D  | 07/24/20 08:35     |
| Cal Standard      | 0G24014-CAL4  | ECD2F007.D  | 07/24/20 08:53     |
| Cal Standard      | 0G24014-CAL5  | ECD2F008.D  | 07/24/20 09:11     |
| Cal Standard      | 0G24014-CAL6  | ECD2F009.D  | 07/24/20 09:28     |
| Cal Standard      | 0G24014-CAL7  | ECD2F010.D  | 07/24/20 09:46     |
| Initial Cal Check | 0G24014-ICV1  | ECD2F012.D  | 07/24/20 10:21     |
| Cal Standard      | 0G24014-CAL8  | ECD2F013.D  | 07/24/20 10:39     |
| Cal Standard      | 0G24014-CAL9  | ECD2F014.D  | 07/24/20 10:56     |
| Cal Standard      | 0G24014-CALA  | ECD2F015.D  | 07/24/20 11:14     |
| Cal Standard      | 0G24014-CALB  | ECD2F016.D  | 07/24/20 11:32     |
| Cal Standard      | 0G24014-CALC  | ECD2F017.D  | 07/24/20 11:49     |
| Cal Standard      | 0G24014-CALD  | ECD2F018.D  | 07/24/20 12:07     |
| Cal Standard      | 0G24014-CALE  | ECD2F019.D  | 07/24/20 12:25     |
| Initial Cal Check | 0G24014-ICV2  | ECD2F020.D  | 07/24/20 12:42     |
| Initial Cal Check | 0G24014-ICV3  | ECD2F021.D  | 07/24/20 13:00     |
| Initial Cal Check | 0G24014-ICV4  | ECD2F022.D  | 07/24/20 13:17     |
| Initial Cal Check | 0G24014-ICV5  | ECD2F023.D  | 07/24/20 13:35     |

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: 0H05027

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0G2702

| Sample Name                    | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-------------|--------------------|
| Calibration Check              | 0H05027-CCV1  | ECD2F002.D  | 08/05/20 07:10     |
| Calibration Blank              | 0H05027-CCB1  | ECD2F003.D  | 08/05/20 07:27     |
| Blank                          | 0080028-BLK1  | ECD2F004.D  | 08/05/20 07:45     |
| LCS                            | 0080028-BS1   | ECD2F005.D  | 08/05/20 08:03     |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | ECD2F006.D  | 08/05/20 08:20     |
| PDI-174SC-A-08-09-200521 (Dup) | 0080028-DUP1  | ECD2F008.D  | 08/05/20 08:55     |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | ECD2F010.D  | 08/05/20 09:31     |
| PDI-174SC-A-09-10-200521 (MS)  | 0080028-MS1   | ECD2F012.D  | 08/05/20 10:06     |
| Calibration Check              | 0H05027-CCV2  | ECD2F014.D  | 08/05/20 10:42     |
| Calibration Blank              | 0H05027-CCB2  | ECD2F015.D  | 08/05/20 10:59     |

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

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

# INITIAL CALIBRATION DATA (Summary)

## 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: A0G2702

Date: 07/27/20 10:15

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) | 142126.2 | Ave | 4.244112 | 9.609857 | 1.777501E-02 |          |          | 20    |   |

Note: \*\* Quad COD may be incorrect if weighting (1/a) or (1/a<sup>2</sup>) used. Weighting not shown here. Please see instrument calibration printouts for validation.

# INITIAL CALIBRATION DATA

## 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: A0G2702

Instrument: DUALECD2F

Calibration Date: 07/27/20 10:15

| 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       |
| 1016 (1)                  | 20       | 5762.5   | 50       | 5141.24  | 100      | 4780.57  | 200      | 4514.815 | 500      | 4305.828 | 1000     | 4237.008 |
| 1016 (2)                  | 20       | 11368.85 | 50       | 10765.1  | 100      | 10403.42 | 200      | 10074.42 | 500      | 10002.37 | 1000     | 10005.2  |
| 1016 (3)                  | 20       | 6286.85  | 50       | 5626.08  | 100      | 5353.98  | 200      | 5010.455 | 500      | 4989.99  | 1000     | 4838.004 |
| 1016 (4)                  | 20       | 4920.55  | 50       | 4588.4   | 100      | 4344.74  | 200      | 3969.115 | 500      | 3778.82  | 1000     | 3870.392 |
| 1016 (5)                  | 20       | 5884.25  | 50       | 5373.76  | 100      | 5128.43  | 200      | 5029.32  | 500      | 4904.16  | 1000     | 4858.815 |
| 1016 (6)                  | 20       | 4341.25  | 50       | 4030.7   | 100      | 3755.78  | 200      | 3621.78  | 500      | 3609.324 | 1000     | 3489.242 |
| Aroclor 1016              | 20       | θ        | 50       | θ        | 100      | θ        | 200      | θ        | 500      | θ        | 1000     | θ        |
| 1260 (1)                  | 20       | 11306.3  | 50       | 10904.24 | 100      | 9930.75  | 200      | 9800.645 | 500      | 9444.16  | 1000     | 9469.655 |
| 1260 (2)                  | 20       | 14133.45 | 50       | 13148.2  | 100      | 12870.57 | 200      | 12424.58 | 500      | 12261.4  | 1000     | 12557.32 |
| 1260 (3)                  | 20       | 11059.9  | 50       | 10082.18 | 100      | 9769.23  | 200      | 9631.315 | 500      | 9150.486 | 1000     | 9623.588 |
| 1260 (4)                  | 20       | 24421.6  | 50       | 23920.08 | 100      | 22516.9  | 200      | 23441.38 | 500      | 23013.66 | 1000     | 24568.14 |
| 1260 (5)                  | 20       | 16269.7  | 50       | 15464.82 | 100      | 15625.33 | 200      | 15497.43 | 500      | 14908.57 | 1000     | 15379.43 |
| 1260 (6)                  | 20       | 7543.25  | 50       | 6750.88  | 100      | 6432.02  | 200      | 6408.81  | 500      | 5948.39  | 1000     | 6042.358 |
| Aroclor 1260              | 20       | θ        | 50       | θ        | 100      | θ        | 200      | θ        | 500      | θ        | 1000     | θ        |
| Decachlorobiphenyl (Surr) | 10       | 138382.8 | 25       | 138333.5 | 50       | 138778.7 | 100      | 138845.2 | 250      | 138903.4 | 500      | 149030.8 |

# 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: A0G2702

Instrument: DUALECD2F

Matrix:

Calibration Date: 07/27/20 10:15

| 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     | 4170.898 |          |    |          |    |          |    |          |    |          |          |
| 1016 (2)                  | 1500     | 10031.44 |          |    |          |    |          |    |          |    |          |          |
| 1016 (3)                  | 1500     | 4898.734 |          |    |          |    |          |    |          |    |          |          |
| 1016 (4)                  | 1500     | 3593.802 |          |    |          |    |          |    |          |    |          |          |
| 1016 (5)                  | 1500     | 4791.248 |          |    |          |    |          |    |          |    |          |          |
| 1016 (6)                  | 1500     | 3472.818 |          |    |          |    |          |    |          |    |          |          |
| Aroclor 1016              | 1500     | ϕ        |          |    |          |    |          |    |          |    |          |          |
| 1254 (1)                  |          |          |          |    |          |    |          |    |          |    | 500      | 7441.58  |
| 1254 (2)                  |          |          |          |    |          |    |          |    |          |    | 500      | 8539.1   |
| 1254 (3)                  |          |          |          |    |          |    |          |    |          |    | 500      | 14515.12 |
| 1254 (4)                  |          |          |          |    |          |    |          |    |          |    | 500      | 9678.53  |
| 1254 (5)                  |          |          |          |    |          |    |          |    |          |    | 500      | 9776.598 |
| 1254 (6)                  |          |          |          |    |          |    |          |    |          |    | 500      | 3232.514 |
| Aroclor 1254              |          |          |          |    |          |    |          |    |          |    | 500      | ϕ        |
| 1260 (1)                  | 1500     | 9270.7   |          |    |          |    |          |    |          |    |          |          |
| 1260 (2)                  | 1500     | 12177.41 |          |    |          |    |          |    |          |    |          |          |
| 1260 (3)                  | 1500     | 9507.24  |          |    |          |    |          |    |          |    |          |          |
| 1260 (4)                  | 1500     | 24202.48 |          |    |          |    |          |    |          |    |          |          |
| 1260 (5)                  | 1500     | 16144    |          |    |          |    |          |    |          |    |          |          |
| 1260 (6)                  | 1500     | 6345.155 |          |    |          |    |          |    |          |    |          |          |
| Aroclor 1260              | 1500     | ϕ        |          |    |          |    |          |    |          |    |          |          |
| Decachlorobiphenyl (Surr) | 800      | 152608.6 |          |    | 200      | ϕ  | 200      | ϕ  | 200      | ϕ  | 200      | ϕ        |

# 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: A0G2702

Instrument: DUALECD2F

Matrix:

Calibration Date: 07/27/20 10:15

| 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 |
| 1262 (1)                  | 500      | 9523.27  |          |    |          |    |          |    |          |    |          |    |
| 1262 (2)                  | 500      | 13511.92 |          |    |          |    |          |    |          |    |          |    |
| 1262 (3)                  | 500      | 11801.12 |          |    |          |    |          |    |          |    |          |    |
| 1262 (4)                  | 500      | 25763.16 |          |    |          |    |          |    |          |    |          |    |
| 1262 (5)                  | 500      | 15649.49 |          |    |          |    |          |    |          |    |          |    |
| 1262 (6)                  | 500      | 8455.514 |          |    |          |    |          |    |          |    |          |    |
| Aroclor 1262              | 500      | 0        |          |    |          |    |          |    |          |    |          |    |
| Decachlorobiphenyl (Surr) | 200      | 0        | 200      | 0  |          |    |          |    |          |    |          |    |

# 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: A0G2702  
Lab File ID: ECD2F012.D  
Sequence: 0G24014 Inject Date: 07/24/20  
Lab Sample ID: 0G24014-ICV1 Inject Time: 10:21

| ANALYTE                   | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1016              | 500                 | 434              | -13.1   | 70 - 130 |
| Aroclor 1260              | 500                 | 432              | -13.5   | 70 - 130 |
| Decachlorobiphenyl (Surr) | 200                 | 216              | 7.8     | 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: A0G2702  
Lab File ID: ECD2F020.D  
Sequence: 0G24014 Inject Date: 07/24/20  
Lab Sample ID: 0G24014-ICV2 Inject Time: 12:42

| ANALYTE                   | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1221              | 1000                | 940              | -6.0    | 70 - 130 |
| Aroclor 1254              | 500                 | 537              | 7.4     | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0                | 88.9             | 11.1    | 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: A0G2702  
Lab File ID: ECD2F021.D  
Sequence: 0G24014 Inject Date: 07/24/20  
Lab Sample ID: 0G24014-ICV3 Inject Time: 13:00

| ANALYTE                   | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1232              | 500                 | 508              | 1.6     | 70 - 130 |
| Aroclor 1262              | 500                 | 512              | 2.4     | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0                | 87.7             | 9.6     | 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: A0G2702  
Lab File ID: ECD2F022.D  
Sequence: 0G24014 Inject Date: 07/24/20  
Lab Sample ID: 0G24014-ICV4 Inject Time: 13:17

| ANALYTE      | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1242 | 500                 | 498              | -0.5    | 70 - 130 |
| Aroclor 1268 | 500                 | 531              | 6.2     | 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  
Instrument ID: DUALECD2F Calibration: A0G2702  
Lab File ID: ECD2F023.D  
Sequence: 0G24014 Inject Date: 07/24/20  
Lab Sample ID: 0G24014-ICV5 Inject Time: 13:35

| ANALYTE      | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1248 | 500                 | 513              | 2.5     | 70 - 130 |

# CONTINUING CALIBRATION CHECK

## EPA 8082A

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD2F</u>      | Calibration: <u>A0G2702</u>                                   |
| Lab File ID: <u>ECD2F002.D</u>       | Calibration Date: <u>07/27/20 10:15</u>                       |
| Sequence: <u>0H05027</u>             | Injection Date: <u>08/05/20</u>                               |
| Lab Sample ID: <u>0H05027-CCV1</u>   | Injection Time: <u>07:10</u>                                  |

| 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   | 501 |        |                           |     | 0.2     | 20    |
| Aroclor 1260 | Ave       | 500   | 507 |        |                           |     | 1.4     | 20    |

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8082A

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD2F</u>      | Calibration: <u>A0G2702</u>                                   |
| Lab File ID: <u>ECD2F014.D</u>       | Calibration Date: <u>07/27/20 10:15</u>                       |
| Sequence: <u>0H05027</u>             | Injection Date: <u>08/05/20</u>                               |
| Lab Sample ID: <u>0H05027-CCV2</u>   | Injection Time: <u>10:42</u>                                  |

| 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   | 505 |        |                           |     | 1.1     | 20    |
| Aroclor 1260 | Ave       | 500   | 526 |        |                           |     | 5.2     | 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: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                                |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> |
| Sequence: <u>0G24014</u>             | Instrument: <u>DUALECD2F</u>                                   |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0G2702</u>                                    |

| Surrogate Compound                       | Spike Level<br>ng/mL | % Recovery | Recovery Limits         | RT    | Calibration Mean RT      | RT Diff | RT Diff Limit | Q |
|--|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| <b>Initial Cal Check (0G24014-ICV1 )</b> |                      |            | Lab File ID: ECD2F012.D |       | Analyzed: 07/24/20 10:21 |         |               |   |
| Decachlorobiphenyl (Surr)                | 200                  | 108        | 70 - 130                | 9.61  | 9.609857                 | 0.0001  | +/-1.0        |   |
| <b>Initial Cal Check (0G24014-ICV2 )</b> |                      |            | Lab File ID: ECD2F020.D |       | Analyzed: 07/24/20 12:42 |         |               |   |
| Decachlorobiphenyl (Surr)                | 80.0                 | 111        | 70 - 130                | 9.609 | 9.609857                 | -0.0009 | +/-1.0        |   |
| <b>Initial Cal Check (0G24014-ICV3 )</b> |                      |            | Lab File ID: ECD2F021.D |       | Analyzed: 07/24/20 13:00 |         |               |   |
| Decachlorobiphenyl (Surr)                | 80.0                 | 110        | 70 - 130                | 9.609 | 9.609857                 | -0.0009 | +/-1.0        |   |

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8082A

|                                      |  |
|--------------------------------------|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                                |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> |
| Sequence: <u>0H05027</u>             | Instrument: <u>DUALECD2F</u>                                   |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0G2702</u>                                    |

| Surrogate Compound                           | Spike Level ng/mL | % Recovery | Recovery Limits         | RT    | Calibration Mean RT      | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| <b>Calibration Check (0H05027-CCV1)</b>      |                   |            | Lab File ID: ECD2F002.D |       | Analyzed: 08/05/20 07:10 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 250               | 111        | 80 - 120                | 9.624 | 9.609857                 | 0.0141  | +/-1.0        |   |
| <b>Calibration Blank (0H05027-CCB1)</b>      |                   |            | Lab File ID: ECD2F003.D |       | Analyzed: 08/05/20 07:27 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 100               | 104        | 43 - 120                | 9.622 | 9.609857                 | 0.0121  | +/-1.0        |   |
| <b>Blank (0080028-BLK1)</b>                  |                   |            | Lab File ID: ECD2F004.D |       | Analyzed: 08/05/20 07:45 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 32.3              | 100        | 43 - 120                | 9.621 | 9.609857                 | 0.0111  | +/-1.0        |   |
| <b>LCS (0080028-BS1)</b>                     |                   |            | Lab File ID: ECD2F005.D |       | Analyzed: 08/05/20 08:03 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 16.7              | 101        | 43 - 120                | 9.621 | 9.609857                 | 0.0111  | +/-1.0        |   |
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |                   |            | Lab File ID: ECD2F006.D |       | Analyzed: 08/05/20 08:20 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 17.9              | 98         | 43 - 120                | 9.621 | 9.609857                 | 0.0111  | +/-1.0        |   |
| <b>Duplicate (0080028-DUP1)</b>              |                   |            | Lab File ID: ECD2F008.D |       | Analyzed: 08/05/20 08:55 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 18.0              | 90         | 43 - 120                | 9.62  | 9.609857                 | 0.0101  | +/-1.0        |   |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |                   |            | Lab File ID: ECD2F010.D |       | Analyzed: 08/05/20 09:31 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 19.6              | 96         | 43 - 120                | 9.62  | 9.609857                 | 0.0101  | +/-1.0        |   |
| <b>Matrix Spike (0080028-MS1)</b>            |                   |            | Lab File ID: ECD2F012.D |       | Analyzed: 08/05/20 10:06 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 19.6              | 91         | 43 - 120                | 9.62  | 9.609857                 | 0.0101  | +/-1.0        |   |
| <b>Calibration Check (0H05027-CCV2)</b>      |                   |            | Lab File ID: ECD2F014.D |       | Analyzed: 08/05/20 10:42 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 250               | 117        | 80 - 120                | 9.621 | 9.609857                 | 0.0111  | +/-1.0        |   |
| <b>Calibration Blank (0H05027-CCB2)</b>      |                   |            | Lab File ID: ECD2F015.D |       | Analyzed: 08/05/20 10:59 |         |               |   |
| Decachlorobiphenyl (Surr)                    | 100               | 100        | 43 - 120                | 9.62  | 9.609857                 | 0.0101  | +/-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-174SC-A-08-09-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:17 | 74.00        | 365.00           | 08/05/20<br>08:20 | 1.84             | 40.00                |   |
| PDI-174SC-A-09-10-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:17 | 74.00        | 365.00           | 08/05/20<br>09:31 | 1.88             | 40.00                |   |

# Apex Laboratories

SDG: Gasco PreRD\_DG 2019

CLASS: GC

METHOD: EPA 8081B



**ANALYSES DATA PACKAGE COVER PAGE**

**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

---

**Client Sample Id:**

PDI-174SC-A-08-09-200521

**Lab Sample Id:**

A0E0670-26

**Matrix**

SE

PDI-174SC-A-09-10-200521

A0E0670-27

SE

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

Signature: \_\_\_\_\_



Name: \_\_\_\_\_

David G. Jack

Forms Created: \_\_\_\_\_

8/11/2020 2:44PM

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      | 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 evaluated to the MDL in this report .

# ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-174SC-A-08-09-200521

|                                      |  |   |
|--------------------------------------|--|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                                |   |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> |   |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-26</u>                               | File ID: <u>ECD8-08042022.D</u>                         |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:19</u>                                | Analyzed: <u>08/04/20 20:29</u>                         |
| Solids: <u>91.32</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>10.06 g / 5 mL</u>                    |
| Batch: <u>0080030</u>                | Sequence: <u>0H04057</u>                                       | Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u> |

| CAS NO.   | COMPOUND      | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0   | 2,4'-DDD      | 1        | 0.544             | U |
| 3424-82-6 | 2,4'-DDE      | 1        | 0.544             | U |
| 789-02-6  | 2,4'-DDT      | 1        | 0.544             | U |
| 72-54-8   | 4,4'-DDD      | 1        | 0.544             | U |
| 72-55-9   | 4,4'-DDE      | 1        | 0.544             | U |
| 50-29-3   | 4,4'-DDT [2C] | 1        | 0.544             | U |

| SYSTEM MONITORING COMPOUND     | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C]       | 54.4              | 41.6             | 76    | 42 - 129  |   |
| Decachlorobiphenyl (Surr) [2C] | 54.4              | 47.8             | 88    | 55 - 130  |   |

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-174SC-A-09-10-200521

|                                      |  |   |
|--------------------------------------|--|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                                |   |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> |   |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-27</u>                               | File ID: <u>ECD8-08042024.D</u>                         |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:19</u>                                | Analyzed: <u>08/04/20 21:02</u>                         |
| Solids: <u>83.47</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>10.33 g / 5 mL</u>                    |
| Batch: <u>0080030</u>                | Sequence: <u>0H04057</u>                                       | Calibration: <u>A0G2005</u> Instrument: <u>DUALECD8</u> |

| CAS NO.   | COMPOUND      | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0   | 2,4'-DDD      | 1        | 0.580             | U |
| 3424-82-6 | 2,4'-DDE      | 1        | 0.580             | U |
| 789-02-6  | 2,4'-DDT [2C] | 1        | 0.580             | U |
| 72-54-8   | 4,4'-DDD [2C] | 1        | 0.580             | U |
| 72-55-9   | 4,4'-DDE      | 1        | 0.580             | U |
| 50-29-3   | 4,4'-DDT [2C] | 1        | 0.580             | U |

| SYSTEM MONITORING COMPOUND     | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C]       | 58.0              | 42.7             | 74    | 42 - 129  |   |
| Decachlorobiphenyl (Surr) [2C] | 58.0              | 50.8             | 88    | 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 Co

Batch: 0080030

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME                    | LAB SAMPLE ID | LAB FILE ID     | DATE PREPARED  | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank                          | 0080030-BLK1  | ECD8-08042020.D | 08/03/20 12:19 |              |
| LCS                            | 0080030-BS1   | ECD8-08042021.D | 08/03/20 12:19 |              |
| PDI-174SC-A-08-09-200521 (Dup) | 0080030-DUP1  | ECD8-08042023.D | 08/03/20 12:19 |              |
| PDI-174SC-A-09-10-200521 (MS)  | 0080030-MS1   | ECD8-08042025.D | 08/03/20 12:19 |              |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | ECD8-08042022.D | 08/03/20 12:19 |              |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | ECD8-08042024.D | 08/03/20 12:19 |              |

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

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

# METHOD BLANK DATA SHEET

## EPA 8081B

|                                      |   |                                   |
|--------------------------------------|---|-----------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |                                   |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |                                   |
| Matrix: <u>Sediment</u>              | Laboratory ID: <u>0080030-BLK1</u>                            | File ID: <u>ECD8-08042020.D</u>   |
| Prepared: <u>08/03/20 12:19</u>      | Preparation: <u>EPA 3546</u>                                  | Initial/Final: <u>11 g / 5 mL</u> |
| Analyzed: <u>08/04/20 19:55</u>      | Instrument: <u>DUALECD8</u>                                   |                                   |
| Batch: <u>0080030</u>                | Sequence: <u>0H04057</u>                                      | Calibration: <u>A0G2005</u>       |

| 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              | 36.7             | 81    | 42 - 129  |   |
| Decachlorobiphenyl (Surr) [2C] | 45.5              | 42.0             | 92    | 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: 0080030

Laboratory ID: 0080030-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 5 mL

| COMPOUND      | SPIKE<br>ADDED<br>(ug/kg wet) | LCS<br>CONCENTRATION<br>(ug/kg wet) | LCS<br>% REC.<br>(*=Out) | QC<br>LIMITS<br>REC. |
|---------------|-------------------------------|-------------------------------------|--------------------------|----------------------|
| 2,4'-DDD [2C] | 50.0                          | 46.8                                | 94                       | 50 - 150             |
| 2,4'-DDE [2C] | 50.0                          | 42.9                                | 86                       | 50 - 150             |
| 2,4'-DDT [2C] | 50.0                          | 52.2                                | 104                      | 50 - 150             |
| 4,4'-DDD [2C] | 50.0                          | 45.0                                | 90                       | 50 - 150             |
| 4,4'-DDE [2C] | 50.0                          | 43.6                                | 87                       | 50 - 150             |
| 4,4'-DDT [2C] | 50.0                          | 47.2                                | 94                       | 50 - 150             |

\* = Values outside of QC limits

# DUPLICATES

PDI-174SC-A-08-09-200521

## EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0080030-DUP1

Batch: 0080030

Lab Source ID: A0E0670-26

Preparation: EPA 3546

Initial/Final: 10.07 g / 5 mL

Source Sample Name: PDI-174SC-A-08-09-200521

% Solids: 91.32

| ANALYTE       | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD    |
|---------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| 2,4'-DDD      | 30            | 0.332                            |   | ND                                  |   |       |   | EPA 8081B |
| 2,4'-DDE      | 30            | 0.278                            |   | ND                                  |   |       |   | EPA 8081B |
| 2,4'-DDT      | 30            | 0.327                            |   | ND                                  |   |       |   | EPA 8081B |
| 4,4'-DDD      | 30            | 0.272                            |   | ND                                  |   |       |   | EPA 8081B |
| 4,4'-DDE      | 30            | 0.239                            |   | ND                                  |   |       |   | EPA 8081B |
| 4,4'-DDT [2C] | 30            | 0.517                            |   | ND                                  |   |       |   | EPA 8081B |

\* Values outside of QC limits



**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**

**PDI-174SC-A-09-10-200521**

**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

Batch: 0080030

Laboratory ID: 0080030-MS1

Preparation: EPA 3546

Initial/Final: 10.39 g / 5 mL

Source Sample Name: PDI-174SC-A-09-10-200521

| 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      | 57.7                    | ND                               | 50.4                         | 87                | 50 - 150       |
| 2,4'-DDE      | 57.7                    | ND                               | 45.1                         | 78                | 50 - 150       |
| 2,4'-DDT [2C] | 57.7                    | ND                               | 61.0                         | 106               | 50 - 150       |
| 4,4'-DDD [2C] | 57.7                    | ND                               | 52.8                         | 92                | 50 - 150       |
| 4,4'-DDE      | 57.7                    | ND                               | 46.2                         | 80                | 50 - 150       |
| 4,4'-DDT [2C] | 57.7                    | ND                               | 54.8                         | 95                | 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: 0G17041

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

| Sample Name       | Lab Sample ID | Lab File ID     | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Initial Cal Blank | 0G17041-ICB1  | ECD8-07172005.D | 07/17/20 18:08     |
| Cal Standard      | 0G17041-CAL1  | ECD8-07172006.D | 07/17/20 18:24     |
| Cal Standard      | 0G17041-CAL2  | ECD8-07172007.D | 07/17/20 18:41     |
| Cal Standard      | 0G17041-CAL3  | ECD8-07172008.D | 07/17/20 18:57     |
| Cal Standard      | 0G17041-CAL4  | ECD8-07172009.D | 07/17/20 19:14     |
| Cal Standard      | 0G17041-CAL5  | ECD8-07172010.D | 07/17/20 19:30     |
| Cal Standard      | 0G17041-CAL6  | ECD8-07172011.D | 07/17/20 19:47     |
| Cal Standard      | 0G17041-CAL7  | ECD8-07172012.D | 07/17/20 20:03     |
| Cal Standard      | 0G17041-CAL8  | ECD8-07172013.D | 07/17/20 20:20     |
| Cal Standard      | 0G17041-CAL9  | ECD8-07172014.D | 07/17/20 20:37     |
| Initial Cal Check | 0G17041-ICV1  | ECD8-07172016.D | 07/17/20 21:10     |
| Cal Standard      | 0G17041-CALA  | ECD8-07172017.D | 07/17/20 21:26     |
| Cal Standard      | 0G17041-CALB  | ECD8-07172018.D | 07/17/20 21:43     |
| Cal Standard      | 0G17041-CALC  | ECD8-07172019.D | 07/17/20 21:59     |
| Cal Standard      | 0G17041-CALE  | ECD8-07172021.D | 07/17/20 22:32     |
| Cal Standard      | 0G17041-CALF  | ECD8-07172022.D | 07/17/20 22:49     |
| Cal Standard      | 0G17041-CALG  | ECD8-07172023.D | 07/17/20 23:05     |
| Cal Standard      | 0G17041-CALH  | ECD8-07172024.D | 07/17/20 23:22     |
| Cal Standard      | 0G17041-CALI  | ECD8-07172025.D | 07/17/20 23:38     |
| Initial Cal Check | 0G17041-ICV2  | ECD8-07172027.D | 07/18/20 00:11     |

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: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: <u>0H04057</u>             | Instrument: <u>DUALECD8</u>                                   |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0G2005</u>                                   |

| Sample Name                    | Lab Sample ID | Lab File ID     | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check              | 0H04057-CCV3  | ECD8-08042017.D | 08/04/20 19:06     |
| Calibration Check              | 0H04057-CCV4  | ECD8-08042018.D | 08/04/20 19:22     |
| Calibration Blank              | 0H04057-CCB2  | ECD8-08042019.D | 08/04/20 19:39     |
| Blank                          | 0080030-BLK1  | ECD8-08042020.D | 08/04/20 19:55     |
| LCS                            | 0080030-BS1   | ECD8-08042021.D | 08/04/20 20:12     |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | ECD8-08042022.D | 08/04/20 20:29     |
| PDI-174SC-A-08-09-200521 (Dup) | 0080030-DUP1  | ECD8-08042023.D | 08/04/20 20:45     |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | ECD8-08042024.D | 08/04/20 21:02     |
| PDI-174SC-A-09-10-200521 (MS)  | 0080030-MS1   | ECD8-08042025.D | 08/04/20 21:18     |
| Calibration Check              | 0H04057-CCV5  | ECD8-08042026.D | 08/04/20 21:35     |
| Calibration Check              | 0H04057-CCV6  | ECD8-08042027.D | 08/04/20 21:51     |
| Calibration Blank              | 0H04057-CCB3  | ECD8-08042028.D | 08/04/20 22:08     |

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

# 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: A0G2005

Date: 07/20/20 18:20

Instrument: DUALECD8

| Compound                       | Mean RF | FIT | RF RSD   | Mean RT  | RT RSD       | Linear r | Quad COD | LIMIT | Q |
|--------------------------------|---------|-----|----------|----------|--------------|----------|----------|-------|---|
| 2,4'-DDD                       | 2451429 | XXX | 13.35556 | 7.70075  | 3.694168E-02 |          |          |       |   |
| 2,4'-DDE                       | 2799425 | XXX | 11.79418 | 7.328625 | 3.822122E-02 |          |          |       |   |
| 2,4'-DDT                       | 2550375 | XXX | 12.89492 | 7.882875 | 3.210555E-02 |          |          |       |   |
| 2,4'-DDT [2C]                  | 2339532 | XXX | 13.23098 | 8.8075   | 1.526929E-02 |          |          |       |   |
| 4,4'-DDD                       | 3339951 | Ave | 4.355009 | 8.002555 | 2.529424E-02 |          |          | 20    |   |
| 4,4'-DDD [2C]                  | 3062010 | XXX | 12.09472 | 8.848444 | 1.131131E-02 |          |          |       |   |
| 4,4'-DDE                       | 4088135 | Ave | 4.919765 | 7.581111 | 2.073476E-02 |          |          | 20    |   |
| 4,4'-DDT [2C]                  | 2836111 | XXX | 15.31294 | 9.076    | 1.464622E-02 |          |          |       |   |
| 2,4,5,6-TCMX (Surr) [2C]       | 3510324 | Ave | 7.91393  | 6.079444 | 0.0227344    |          |          | 20    |   |
| Decachlorobiphenyl (Surr) [2C] | 2351466 | XXX | 13.34126 | 10.66022 | 0.0129892    |          |          |       |   |

Note: \*\* Quad COD may be incorrect if weighting (1/a) or (1/a<sup>2</sup>) used. Weighting not shown here. Please see instrument calibration printouts for validation.

# INITIAL CALIBRATION DATA

## 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: A0G2005

Instrument: DUALECD8

Calibration Date: 07/20/20 18:20

| 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      | 3462854 | 1        | 3227439 | 2        | 3083739 | 5        | 3271166 | 10       | 3356588 | 25       | 3259177 |
| 4,4'-DDD [2C]                  | 0.5      | 2927804 | 1        | 2703896 | 2        | 2723767 | 5        | 2782300 | 10       | 2875400 | 25       | 2942813 |
| 4,4'-DDE                       | 0.5      | 4130250 | 1        | 3926902 | 2        | 3661803 | 5        | 4124972 | 10       | 4094501 | 25       | 4065436 |
| 4,4'-DDE [2C]                  | 0.5      | 3405334 | 1        | 3336158 | 2        | 3096984 | 5        | 3407028 | 10       | 3503807 | 25       | 3595023 |
| 4,4'-DDT                       | 0.5      | 3312528 | 1        | 2992885 | 2        | 2456657 | 5        | 2951788 | 10       | 3094088 | 25       | 3089377 |
| 4,4'-DDT [2C]                  | 0.5      | 2788236 | 1        | 2566263 | 2        | 2160249 | 5        | 2534914 | 10       | 2590962 | 25       | 2885313 |
| 2,4,5,6-TCMX (Surr)            | 0.5      | 4119620 | 1        | 3749962 | 2        | 3459599 | 5        | 3786218 | 10       | 3766146 | 25       | 3568445 |
| 2,4,5,6-TCMX (Surr) [2C]       | 0.5      | 3766594 | 1        | 3424170 | 2        | 3151719 | 5        | 3273788 | 10       | 3262130 | 25       | 3393571 |
| Decachlorobiphenyl (Surr)      | 0.5      | 4362606 | 1        | 3741875 | 2        | 3351901 | 5        | 3254440 | 10       | 3143066 | 25       | 2944489 |
| Decachlorobiphenyl (Surr) [2C] | 0.5      | 3044238 | 1        | 2571519 | 2        | 2384712 | 5        | 2181070 | 10       | 2077548 | 25       | 2004534 |

# 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: A0G2005

Instrument: DUALECD8

Matrix:

Calibration Date: 07/20/20 18:20

| 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      | 3012132 | 1        | 2904094 | 2        | 2374048 |
| 2,4'-DDD [2C]                  |          |         |          |         |          |         | 0.5      | 2708808 | 1        | 2521607 | 2        | 2067286 |
| 2,4'-DDE                       |          |         |          |         |          |         | 0.5      | 3394938 | 1        | 3231037 | 2        | 2686784 |
| 2,4'-DDE [2C]                  |          |         |          |         |          |         | 0.5      | 3062266 | 1        | 2813710 | 2        | 2311485 |
| 2,4'-DDT                       |          |         |          |         |          |         | 0.5      | 3069456 | 1        | 3010061 | 2        | 2399358 |
| 2,4'-DDT [2C]                  |          |         |          |         |          |         | 0.5      | 2775160 | 1        | 2602143 | 2        | 2062037 |
| 4,4'-DDD                       | 50       | 3402336 | 100      | 3426073 | 200      | 3570185 |          |         |          |         |          |         |
| 4,4'-DDD [2C]                  | 50       | 3404922 | 100      | 3509548 | 200      | 3687638 |          |         |          |         |          |         |
| 4,4'-DDE                       | 50       | 4221632 | 100      | 4189684 | 200      | 4378032 |          |         |          |         |          |         |
| 4,4'-DDE [2C]                  | 50       | 3988320 | 100      | 4192813 | 200      | 4517776 |          |         |          |         |          |         |
| 4,4'-DDT                       | 50       | 3356890 | 100      | 3175497 | 200      | 3379619 |          |         |          |         |          |         |
| 4,4'-DDT [2C]                  | 50       | 3186292 | 100      | 3247194 | 200      | 3565578 |          |         |          |         |          |         |
| 2,4,5,6-TCMX (Surr)            | 50       | 3671584 | 100      | 3723971 | 200      | 3746220 |          |         |          |         |          |         |
| 2,4,5,6-TCMX (Surr) [2C]       | 50       | 3671200 | 100      | 3650570 | 200      | 3999178 |          |         |          |         |          |         |
| Decachlorobiphenyl (Surr)      | 50       | 3008122 | 100      | 3028010 | 200      | 3088773 |          |         |          |         |          |         |
| Decachlorobiphenyl (Surr) [2C] | 50       | 2208290 | 100      | 2265388 | 200      | 2425894 |          |         |          |         |          |         |

# 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: A0G2005

Instrument: DUALECD8

Matrix:

Calibration Date: 07/20/20 18:20

| Compound      | Level 13 |         | Level 14 |         | Level 15 |         | Level 16 |         | Level 17 |         | Level 18 |    |
|---------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|----|
|               | ng/mL    | RF      | ng/mL    | RF      | ng/mL    | RF      | ng/mL    | RF      | ng/mL    | RF      | ng/mL    | RF |
| 2,4'-DDD      | 10       | 2152955 | 25       | 2228856 | 50       | 2427276 | 100      | 2187126 | 200      | 2324942 |          |    |
| 2,4'-DDD [2C] | 10       | 1896882 | 25       | 2019329 | 50       | 2206586 | 100      | 2181411 | 200      | 2452381 |          |    |
| 2,4'-DDE      | 10       | 2504734 | 25       | 2611574 | 50       | 2720314 | 100      | 2525966 | 200      | 2720051 |          |    |
| 2,4'-DDE [2C] | 10       | 2137816 | 25       | 2282661 | 50       | 2559918 | 100      | 2490613 | 200      | 2768557 |          |    |
| 2,4'-DDT      | 10       | 2194960 | 25       | 2375620 | 50       | 2600686 | 100      | 2246783 | 200      | 2506081 |          |    |
| 2,4'-DDT [2C] | 10       | 1924111 | 25       | 2106676 | 50       | 2479380 | 100      | 2177488 | 200      | 2589264 |          |    |

# SECOND-SOURCE CALIBRATION VERIFICATION

## EPA 8081B

|                                      |   |  |
|--------------------------------------|---|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                     |  |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u> |  |
| Instrument ID: <u>DUALECD8</u>       | Calibration: <u>A0G2005</u>                         |  |
| Lab File ID: <u>ECD8-07172016.D</u>  |   |  |
| Sequence: <u>0G17041</u>             | Inject Date: <u>07/17/20</u>                        |  |
| Lab Sample ID: <u>0G17041-ICV1</u>   | Inject Time: <u>21:10</u>                           |  |

| ANALYTE                        | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|--------------------------------|---------------------|------------------|---------|----------|
| 4,4'-DDD                       | 50.0                | 49.4             | -1.2    | 70 - 130 |
| 4,4'-DDD [2C]                  | 50.0                | 51.9             | 3.7     | 70 - 130 |
| 4,4'-DDE                       | 50.0                | 49.5             | -0.9    | 70 - 130 |
| 4,4'-DDE [2C]                  | 50.0                | 52.6             | 5.2     | 70 - 130 |
| 4,4'-DDT                       | 50.0                | 52.0             | 4.0     | 70 - 130 |
| 4,4'-DDT [2C]                  | 50.0                | 54.0             | 8.0     | 70 - 130 |
| 2,4,5,6-TCMX (Surr)            | 50.0                | 48.2             | -3.6    | 70 - 130 |
| 2,4,5,6-TCMX (Surr) [2C]       | 50.0                | 51.1             | 2.2     | 70 - 130 |
| Decachlorobiphenyl (Surr)      | 50.0                | 49.9             | -0.2    | 70 - 130 |
| Decachlorobiphenyl (Surr) [2C] | 50.0                | 50.8             | 1.6     | 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: A0G2005  
Lab File ID: ECD8-07172027.D  
Sequence: 0G17041 Inject Date: 07/18/20  
Lab Sample ID: 0G17041-ICV2 Inject Time: 00:11

| ANALYTE       | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|---------------|---------------------|------------------|---------|----------|
| 2,4'-DDD      | 50.0                | 51.6             | 3.2     | 70 - 130 |
| 2,4'-DDD [2C] | 50.0                | 51.0             | 2.0     | 70 - 130 |
| 2,4'-DDE      | 50.0                | 52.0             | 4.0     | 70 - 130 |
| 2,4'-DDE [2C] | 50.0                | 53.8             | 7.5     | 70 - 130 |
| 2,4'-DDT      | 50.0                | 55.7             | 11.4    | 70 - 130 |
| 2,4'-DDT [2C] | 50.0                | 56.7             | 13.4    | 70 - 130 |

# CONTINUING CALIBRATION CHECK

## EPA 8081B

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD8</u>       | Calibration: <u>A0G2005</u>                                   |
| Lab File ID: <u>ECD8-08042017.D</u>  | Calibration Date: <u>07/20/20 18:20</u>                       |
| Sequence: <u>0H04057</u>             | Injection Date: <u>08/04/20</u>                               |
| Lab Sample ID: <u>0H04057-CCV3</u>   | Injection Time: <u>19:06</u>                                  |

| COMPOUND      | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] |      |        | Response Factors [Ave RF] |         |         | Limit |
|---------------|-----------|---|------|--------|---------------------------|---------|---------|-------|
|               |           | STD   | CCV  | % DIFF | ICAL                      | CCV     | % Drift |       |
| 4,4'-DDD      | Ave       | 100   | 82.5 |        | 3339951                   | 2756327 | -17.5   | 20    |
| 4,4'-DDD [2C] | XXX       | 100   | 96.8 | -3.2   |                           |         |         | 20    |
| 4,4'-DDE      | Ave       | 100   | 86.4 |        | 4088135                   | 3532238 | -13.6   | 20    |
| 4,4'-DDE [2C] | Ave       | 100   | 98.1 |        | 3671471                   | 3956216 | 7.8     | 20    |
| 4,4'-DDT      | Ave       | 100   | 91.2 |        | 3089925                   | 2818631 | -8.8    | 20    |
| 4,4'-DDT [2C] | XXX       | 100   | 102  | 1.7    |                           |         |         | 20    |

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD8

Calibration: A0G2005

Lab File ID: ECD8-08042018.D

Calibration Date: 07/20/20 18:20

Sequence: 0H04057

Injection Date: 08/04/20

Lab Sample ID: 0H04057-CCV4

Injection Time: 19:22

| COMPOUND      | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] |      |        | Response Factors [Ave RF] |     |         | Limit |
|---------------|-----------|---|------|--------|---------------------------|-----|---------|-------|
|               |           | STD   | CCV  | % DIFF | ICAL                      | CCV | % Drift |       |
| 2,4'-DDD      | XXX       | 100   | 81.6 | -18.4  |                           |     |         | 20    |
| 2,4'-DDD [2C] | XXX       | 100   | 98.8 | -1.2   |                           |     |         | 20    |
| 2,4'-DDE      | XXX       | 100   | 84.9 | -15.1  |                           |     |         | 20    |
| 2,4'-DDE [2C] | XXX       | 100   | 97.3 | -2.7   |                           |     |         | 20    |
| 2,4'-DDT      | XXX       | 100   | 87.2 | -12.8  |                           |     |         | 20    |
| 2,4'-DDT [2C] | XXX       | 100   | 99.0 | -1.0   |                           |     |         | 20    |

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Instrument ID: <u>DUALECD8</u>       | Calibration: <u>A0G2005</u>                                   |
| Lab File ID: <u>ECD8-08042026.D</u>  | Calibration Date: <u>07/20/20 18:20</u>                       |
| Sequence: <u>0H04057</u>             | Injection Date: <u>08/04/20</u>                               |
| Lab Sample ID: <u>0H04057-CCV5</u>   | Injection Time: <u>21:35</u>                                  |

| 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  | 41.8 |        | 3339951                   | 2789046 | -16.5   | 20    |
| 4,4'-DDD [2C] | XXX       | 50.0  | 54.1 | 8.1    |                           |         |         | 20    |
| 4,4'-DDE      | Ave       | 50.0  | 43.7 |        | 4088135                   | 3575672 | -12.5   | 20    |
| 4,4'-DDE [2C] | Ave       | 50.0  | 53.0 |        | 3671471                   | 3975212 | 8.3     | 20    |
| 4,4'-DDT      | Ave       | 50.0  | 42.9 |        | 3089925                   | 2648698 | -14.3   | 20    |
| 4,4'-DDT [2C] | XXX       | 50.0  | 52.5 | 4.9    |                           |         |         | 20    |

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD8

Calibration: A0G2005

Lab File ID: ECD8-08042027.D

Calibration Date: 07/20/20 18:20

Sequence: 0H04057

Injection Date: 08/04/20

Lab Sample ID: 0H04057-CCV6

Injection Time: 21:51

| COMPOUND      | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] |      |        | Response Factors [Ave RF] |     |         | Limit |
|---------------|-----------|---|------|--------|---------------------------|-----|---------|-------|
|               |           | STD   | CCV  | % DIFF | ICAL                      | CCV | % Drift |       |
| 2,4'-DDD      | XXX       | 50.0  | 50.0 | 0.08   |                           |     |         | 20    |
| 2,4'-DDD [2C] | XXX       | 50.0  | 56.5 | 13.0   |                           |     |         | 20    |
| 2,4'-DDE      | XXX       | 50.0  | 48.1 | -3.7   |                           |     |         | 20    |
| 2,4'-DDE [2C] | XXX       | 50.0  | 54.9 | 9.9    |                           |     |         | 20    |
| 2,4'-DDT      | XXX       | 50.0  | 53.2 | 6.4    |                           |     |         | 20    |
| 2,4'-DDT [2C] | XXX       | 50.0  | 56.6 | 13.2   |                           |     |         | 20    |

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

\* = Values outside of QC limits

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8081B

|                                      |  |
|--------------------------------------|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                                |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> |
| Sequence: <u>0G17041</u>             | Instrument: <u>DUALECD8</u>                                    |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0G2005</u>                                    |

| Surrogate Compound                       | Spike Level<br>ng/mL | % Recovery   | Recovery Limits | RT     | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|----------------------|--|-----------------|--------|---------------------|---------|---------------|---|
| <b>Initial Cal Check (0G17041-ICV1 )</b> |                      | Lab File ID: ECD8-07172016.D      Analyzed: 07/17/20 21:10 |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr)                      | 50.0                 | 96   | 70 - 130        | 5.389  | 5.390778            | -0.0018 | +/-1.0        |   |
| 2,4,5,6-TCMX (Surr) [2C]                 | 50.0                 | 102  | 70 - 130        | 6.078  | 6.079444            | -0.0014 | +/-1.0        |   |
| Decachlorobiphenyl (Surr)                | 50.0                 | 100  | 70 - 130        | 9.593  | 9.595333            | -0.0023 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]           | 50.0                 | 102  | 70 - 130        | 10.658 | 10.66022            | -0.0022 | +/-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: 0H04057

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0G2005

| Surrogate Compound   | Spike Level ng/mL | % Recovery | Recovery Limits | RT     | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| <b>Calibration Check (0H04057-CCV3)</b> Lab File ID: ECD8-08042017.D Analyzed: 08/04/20 19:06      |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr)  | 100               | 87         | 80 - 120        | 5.333  | 5.390778            | -0.0578 | +/-1.0        |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 100               | 108        | 80 - 120        | 6.021  | 6.079444            | -0.0584 | +/-1.0        |   |
| Decachlorobiphenyl (Surr)  | 100               | 95         | 80 - 120        | 9.528  | 9.595333            | -0.0673 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 100               | 105        | 80 - 120        | 10.579 | 10.66022            | -0.0812 | +/-1.0        |   |
| <b>Calibration Blank (0H04057-CCB2)</b> Lab File ID: ECD8-08042019.D Analyzed: 08/04/20 19:39      |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 100               | 102        | 25 - 140        | 6.021  | 6.079444            | -0.0584 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 100               | 101        | 30 - 135        | 10.579 | 10.66022            | -0.0812 | +/-1.0        |   |
| <b>Blank (0080030-BLK1)</b> Lab File ID: ECD8-08042020.D Analyzed: 08/04/20 19:55                  |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 45.5              | 81         | 42 - 129        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 45.5              | 92         | 55 - 130        | 10.577 | 10.66022            | -0.0832 | +/-1.0        |   |
| <b>LCS (0080030-BS1)</b> Lab File ID: ECD8-08042021.D Analyzed: 08/04/20 20:12                     |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 50.0              | 84         | 42 - 129        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 50.0              | 92         | 55 - 130        | 10.576 | 10.66022            | -0.0842 | +/-1.0        |   |
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> Lab File ID: ECD8-08042022.D Analyzed: 08/04/20 20:29 |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 54.4              | 76         | 42 - 129        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 54.4              | 88         | 55 - 130        | 10.577 | 10.66022            | -0.0832 | +/-1.0        |   |
| <b>Duplicate (0080030-DUP1)</b> Lab File ID: ECD8-08042023.D Analyzed: 08/04/20 20:45              |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 54.4              | 77         | 42 - 129        | 6.021  | 6.079444            | -0.0584 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 54.4              | 92         | 55 - 130        | 10.576 | 10.66022            | -0.0842 | +/-1.0        |   |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> Lab File ID: ECD8-08042024.D Analyzed: 08/04/20 21:02 |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 58.0              | 74         | 42 - 129        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 58.0              | 88         | 55 - 130        | 10.576 | 10.66022            | -0.0842 | +/-1.0        |   |
| <b>Matrix Spike (0080030-MS1)</b> Lab File ID: ECD8-08042025.D Analyzed: 08/04/20 21:18            |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 57.7              | 78         | 42 - 129        | 6.019  | 6.079444            | -0.0604 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 57.7              | 88         | 55 - 130        | 10.576 | 10.66022            | -0.0842 | +/-1.0        |   |
| <b>Calibration Check (0H04057-CCV5)</b> Lab File ID: ECD8-08042026.D Analyzed: 08/04/20 21:35      |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr)  | 50.0              | 90         | 80 - 120        | 5.331  | 5.390778            | -0.0598 | +/-1.0        |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 50.0              | 106        | 80 - 120        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr)  | 50.0              | 102        | 80 - 120        | 9.526  | 9.595333            | -0.0693 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 50.0              | 112        | 80 - 120        | 10.576 | 10.66022            | -0.0842 | +/-1.0        |   |
| <b>Calibration Blank (0H04057-CCB3)</b> Lab File ID: ECD8-08042028.D Analyzed: 08/04/20 22:08      |                   |            |                 |        |                     |         |               |   |
| 2,4,5,6-TCMX (Surr) [2C]   | 100               | 104        | 25 - 140        | 6.02   | 6.079444            | -0.0594 | +/-1.0        |   |
| Decachlorobiphenyl (Surr) [2C]   | 100               | 102        | 30 - 135        | 10.577 | 10.66022            | -0.0832 | +/-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-174SC-A-08-09-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:19 | 74.01        | 14.00            | 08/04/20<br>20:29 | 1.34             | 40.00                | * |
| PDI-174SC-A-09-10-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:19 | 74.01        | 14.00            | 08/04/20<br>21:02 | 1.36             | 40.00                | * |



# Apex Laboratories

SDG: Gasco PreRD\_DG 2019

CLASS: GCMS

METHOD: EPA 8270D

**ANALYSES DATA PACKAGE COVER PAGE**

**EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

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**Client Sample Id:**

**Lab Sample Id:**

**Matrix**

PDI-174SC-A-08-09-200521

A0E0670-26

SE

PDI-174SC-A-09-10-200521

A0E0670-27

SE

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

Signature: \_\_\_\_\_



Name: \_\_\_\_\_

David G. Jack

Forms Created: \_\_\_\_\_

8/11/2020 2:44PM

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

Technical Manager

# METHOD DETECTION AND REPORTING LIMITS

## EPA 8270D

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 |
|------------------------|------|------|-------|
| Acenaphthene           | 1.25 | 2.50 | ug/kg |
| Acenaphthylene         | 1.25 | 2.50 | ug/kg |
| Anthracene             | 1.25 | 2.50 | ug/kg |
| Benz(a)anthracene      | 1.25 | 2.50 | ug/kg |
| Benzo(a)pyrene         | 1.25 | 2.50 | ug/kg |
| Benzo(b)fluoranthene   | 1.25 | 2.50 | ug/kg |
| Benzo(k)fluoranthene   | 1.25 | 2.50 | ug/kg |
| Benzo(g,h,i)perylene   | 1.25 | 2.50 | ug/kg |
| Chrysene               | 1.25 | 2.50 | ug/kg |
| Dibenz(a,h)anthracene  | 1.25 | 2.50 | ug/kg |
| Fluoranthene           | 1.25 | 2.50 | ug/kg |
| Fluorene               | 1.25 | 2.50 | ug/kg |
| Indeno(1,2,3-cd)pyrene | 1.25 | 2.50 | ug/kg |
| 2-Methylnaphthalene    | 1.25 | 2.50 | ug/kg |
| Naphthalene            | 1.25 | 2.50 | ug/kg |
| Phenanthrene           | 1.25 | 2.50 | ug/kg |
| Pyrene                 | 1.25 | 2.50 | ug/kg |

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

# ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-174SC-A-08-09-200521

|                                      |  |  |
|--------------------------------------|--|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                                |  |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u> |  |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-26</u>                               | File ID: <u>N08032012.D</u>                              |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:18</u>                                | Analyzed: <u>08/03/20 18:15</u>                          |
| Solids: <u>91.32</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>10.55 g / 5 mL</u>                     |
| Batch: <u>0080029</u>                | Sequence: <u>0H03063</u>                                       | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO.  | COMPOUND               | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9  | Acenaphthene           | 1        | 3.24              |   |
| 208-96-8 | Acenaphthylene         | 1        | 1.30              | U |
| 120-12-7 | Anthracene             | 1        | 1.30              | U |
| 56-55-3  | Benz(a)anthracene      | 1        | 1.30              | U |
| 50-32-8  | Benzo(a)pyrene         | 1        | 1.30              | U |
| 205-99-2 | Benzo(b)fluoranthene   | 1        | 1.30              | U |
| 207-08-9 | Benzo(k)fluoranthene   | 1        | 1.30              | U |
| 191-24-2 | Benzo(g,h,i)perylene   | 1        | 1.30              | U |
| 218-01-9 | Chrysene               | 1        | 1.30              | U |
| 53-70-3  | Dibenz(a,h)anthracene  | 1        | 1.30              | U |
| 206-44-0 | Fluoranthene           | 1        | 13.0              |   |
| 86-73-7  | Fluorene               | 1        | 2.89              |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1        | 1.30              | U |
| 91-57-6  | 2-Methylnaphthalene    | 1        | 1.30              | U |
| 91-20-3  | Naphthalene            | 1        | 1.30              | U |
| 85-01-8  | Phenanthrene           | 1        | 7.17              |   |
| 129-00-0 | Pyrene                 | 1        | 16.8              |   |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr)    | 51.9              | 42.1             | 81    | 44 - 120  |   |
| p-Terphenyl-d14 (Surr)     | 51.9              | 48.2             | 93    | 54 - 127  |   |

| INTERNAL STANDARD                | AREA   | RT     | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD)            | 283451 | 7.761  | 257493   | 7.761  |   |
| Acenaphthene-d10 (ISTD)          | 164335 | 9.515  | 161674   | 9.515  |   |
| Phenanthrene-d10 (ISTD)          | 268509 | 11.019 | 283468   | 11.019 |   |
| Chrysene-d12 (ISTD)              | 271530 | 14.679 | 258499   | 14.679 |   |
| Perylene-d12 (ISTD)              | 264585 | 18.136 | 239127   | 18.141 |   |
| Dibenz(a,h)anthracene-d14 (ISTD) | 231149 | 20.52  | 201604   | 20.52  |   |

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-174SC-A-09-10-200521

|                                      |  |                                      |
|--------------------------------------|--|--------------------------------------|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                                |                                      |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> |                                      |
| Matrix: <u>SE</u>                    | Laboratory ID: <u>A0E0670-27</u>                               | File ID: <u>N08032014.D</u>          |
| Sampled: <u>05/21/20 12:10</u>       | Prepared: <u>08/03/20 12:18</u>                                | Analyzed: <u>08/03/20 19:20</u>      |
| Solids: <u>83.47</u>                 | Preparation: <u>EPA 3546</u>                                   | Initial/Final: <u>10.47 g / 5 mL</u> |
| Batch: <u>0080029</u>                | Sequence: <u>0H03063</u>                                       | Calibration: <u>A0D0804</u>          |
|                                      |  | Instrument: <u>SV-GCMS14</u>         |

| CAS NO.  | COMPOUND               | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9  | Acenaphthene           | 1        | 6.34              |   |
| 208-96-8 | Acenaphthylene         | 1        | 1.43              | U |
| 120-12-7 | Anthracene             | 1        | 1.43              | U |
| 56-55-3  | Benz(a)anthracene      | 1        | 1.43              | U |
| 50-32-8  | Benzo(a)pyrene         | 1        | 1.43              | U |
| 205-99-2 | Benzo(b)fluoranthene   | 1        | 1.43              | U |
| 207-08-9 | Benzo(k)fluoranthene   | 1        | 1.43              | U |
| 191-24-2 | Benzo(g,h,i)perylene   | 1        | 1.43              | U |
| 218-01-9 | Chrysene               | 1        | 1.43              | U |
| 53-70-3  | Dibenz(a,h)anthracene  | 1        | 1.43              | U |
| 206-44-0 | Fluoranthene           | 1        | 14.9              |   |
| 86-73-7  | Fluorene               | 1        | 2.91              |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1        | 1.43              | U |
| 91-57-6  | 2-Methylnaphthalene    | 1        | 1.43              | U |
| 91-20-3  | Naphthalene            | 1        | 1.43              | U |
| 85-01-8  | Phenanthrene           | 1        | 4.07              |   |
| 129-00-0 | Pyrene                 | 1        | 20.6              |   |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr)    | 57.2              | 43.9             | 77    | 44 - 120  |   |
| p-Terphenyl-d14 (Surr)     | 57.2              | 52.8             | 92    | 54 - 127  |   |

| INTERNAL STANDARD                | AREA   | RT     | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD)            | 264663 | 7.761  | 257493   | 7.761  |   |
| Acenaphthene-d10 (ISTD)          | 166224 | 9.515  | 161674   | 9.515  |   |
| Phenanthrene-d10 (ISTD)          | 287872 | 11.019 | 283468   | 11.019 |   |
| Chrysene-d12 (ISTD)              | 267225 | 14.679 | 258499   | 14.679 |   |
| Perylene-d12 (ISTD)              | 255195 | 18.136 | 239127   | 18.141 |   |
| Dibenz(a,h)anthracene-d14 (ISTD) | 218602 | 20.52  | 201604   | 20.52  |   |

\* Values outside of QC limits

# PREPARATION BATCH SUMMARY

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0080029

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME                    | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED  | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank                          | 0080029-BLK1  | N08032010.D | 08/03/20 12:18 |              |
| LCS                            | 0080029-BS1   | N08032011.D | 08/03/20 12:18 |              |
| PDI-174SC-A-08-09-200521 (Dup) | 0080029-DUP1  | N08032013.D | 08/03/20 12:18 |              |
| PDI-174SC-A-09-10-200521 (MS)  | 0080029-MS1   | N08032015.D | 08/03/20 12:18 |              |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | N08032012.D | 08/03/20 12:18 |              |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | N08032014.D | 08/03/20 12:18 |              |

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

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

# METHOD BLANK DATA SHEET

**EPA 8270D**

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Matrix: <u>Sediment</u>              | Laboratory ID: <u>0080029-BLK1</u>                            |
| Prepared: <u>08/03/20 12:18</u>      | Preparation: <u>EPA 3546</u>                                  |
| Analyzed: <u>08/03/20 17:09</u>      | Instrument: <u>SV-GCMS14</u>                                  |
| Batch: <u>0080029</u>                | Sequence: <u>0H03063</u>                                      |
|                                      | Calibration: <u>A0D0804</u>                                   |

| CAS NO.  | COMPOUND               | CONC. (ug/kg wet) | Q |
|----------|------------------------|-------------------|---|
| 83-32-9  | Acenaphthene           | 1.14              | U |
| 208-96-8 | Acenaphthylene         | 1.14              | U |
| 120-12-7 | Anthracene             | 1.14              | U |
| 56-55-3  | Benz(a)anthracene      | 1.14              | U |
| 50-32-8  | Benzo(a)pyrene         | 1.14              | U |
| 205-99-2 | Benzo(b)fluoranthene   | 1.14              | U |
| 207-08-9 | Benzo(k)fluoranthene   | 1.14              | U |
| 191-24-2 | Benzo(g,h,i)perylene   | 1.14              | U |
| 218-01-9 | Chrysene               | 1.14              | U |
| 53-70-3  | Dibenz(a,h)anthracene  | 1.14              | U |
| 206-44-0 | Fluoranthene           | 1.14              | U |
| 86-73-7  | Fluorene               | 1.14              | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.14              | U |
| 91-57-6  | 2-Methylnaphthalene    | 1.14              | U |
| 91-20-3  | Naphthalene            | 1.14              | U |
| 85-01-8  | Phenanthrene           | 1.14              | U |
| 129-00-0 | Pyrene                 | 1.14              | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg wet) | CONC (ug/kg wet) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr)    | 45.5              | 35.5             | 78    | 44 - 120  |   |
| p-Terphenyl-d14 (Surr)     | 45.5              | 42.5             | 94    | 54 - 127  |   |

| INTERNAL STANDARD                | AREA   | RT     | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD)            | 263262 | 7.761  | 257493   | 7.761  |   |
| Acenaphthene-d10 (ISTD)          | 171955 | 9.515  | 161674   | 9.515  |   |
| Phenanthrene-d10 (ISTD)          | 293714 | 11.019 | 283468   | 11.019 |   |
| Chrysene-d12 (ISTD)              | 268952 | 14.679 | 258499   | 14.679 |   |
| Perylene-d12 (ISTD)              | 254646 | 18.136 | 239127   | 18.141 |   |
| Dibenz(a,h)anthracene-d14 (ISTD) | 225716 | 20.52  | 201604   | 20.52  |   |

# LCS / LCS DUPLICATE RECOVERY

## EPA 8270D

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: 0080029

Laboratory ID: 0080029-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. |
|------------------------|-------------------------|-------------------------------|--------------------|----------------|
| Acenaphthene           | 20.0                    | 17.1                          | 86                 | 40 - 123       |
| Acenaphthylene         | 20.0                    | 18.4                          | 92                 | 32 - 132       |
| Anthracene             | 20.0                    | 17.7                          | 88                 | 47 - 123       |
| Benz(a)anthracene      | 20.0                    | 18.1                          | 90                 | 49 - 126       |
| Benzo(a)pyrene         | 20.0                    | 20.0                          | 100                | 45 - 129       |
| Benzo(b)fluoranthene   | 20.0                    | 18.8                          | 94                 | 45 - 132       |
| Benzo(k)fluoranthene   | 20.0                    | 19.0                          | 95                 | 47 - 132       |
| Benzo(g,h,i)perylene   | 20.0                    | 17.3                          | 86                 | 43 - 134       |
| Chrysene               | 20.0                    | 18.0                          | 90                 | 50 - 124       |
| Dibenz(a,h)anthracene  | 20.0                    | 17.4                          | 87                 | 45 - 134       |
| Fluoranthene           | 20.0                    | 18.1                          | 90                 | 50 - 127       |
| Fluorene               | 20.0                    | 17.4                          | 87                 | 43 - 125       |
| Indeno(1,2,3-cd)pyrene | 20.0                    | 17.8                          | 89                 | 45 - 133       |
| 2-Methylnaphthalene    | 20.0                    | 17.8                          | 89                 | 38 - 122       |
| Naphthalene            | 20.0                    | 17.1                          | 85                 | 35 - 123       |
| Phenanthrene           | 20.0                    | 17.2                          | 86                 | 50 - 121       |
| Pyrene                 | 20.0                    | 20.4                          | 102                | 47 - 127       |

\* = Values outside of QC limits



# DUPLICATES

PDI-174SC-A-08-09-200521

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0080029-DUP1

Batch: 0080029

Lab Source ID: A0E0670-26

Preparation: EPA 3546

Initial/Final: 10.47 g / 5 mL

Source Sample Name: PDI-174SC-A-08-09-200521

% Solids: 91.32

| ANALYTE                | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD    |
|------------------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| Acenaphthene           | 30            | 3.24                             |   | 2.61                                |   | 21    |   | EPA 8270D |
| Acenaphthylene         | 30            | 0.234                            |   | ND                                  |   |       |   | EPA 8270D |
| Anthracene             | 30            | 0.628                            |   | ND                                  |   |       |   | EPA 8270D |
| Benz(a)anthracene      | 30            | 0.778                            |   | ND                                  |   |       |   | EPA 8270D |
| Benzo(a)pyrene         | 30            | 0.514                            |   | ND                                  |   |       |   | EPA 8270D |
| Benzo(b)fluoranthene   | 30            | 0.327                            |   | ND                                  |   |       |   | EPA 8270D |
| Benzo(k)fluoranthene   | 30            | 0.410                            |   | ND                                  |   |       |   | EPA 8270D |
| Benzo(g,h,i)perylene   | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8270D |
| Chrysene               | 30            | 0.747                            |   | ND                                  |   |       |   | EPA 8270D |
| Dibenz(a,h)anthracene  | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8270D |
| Fluoranthene           | 30            | 13.0                             |   | 11.6                                |   | 11    |   | EPA 8270D |
| Fluorene               | 30            | 2.89                             |   | 2.34                                |   | 21    |   | EPA 8270D |
| Indeno(1,2,3-cd)pyrene | 30            | 0.00                             |   | ND                                  |   |       |   | EPA 8270D |
| 2-Methylnaphthalene    | 30            | 0.337                            |   | ND                                  |   |       |   | EPA 8270D |
| Naphthalene            | 30            | 0.996                            |   | ND                                  |   |       |   | EPA 8270D |
| Phenanthrene           | 30            | 7.17                             |   | 6.04                                |   | 17    |   | EPA 8270D |
| Pyrene                 | 30            | 16.8                             |   | 17.9                                |   | 6     |   | EPA 8270D |

\* Values outside of QC limits

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**

**PDI-174SC-A-09-10-200521**

**EPA 8270D**

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

Batch: 0080029

Laboratory ID: 0080029-MS1

Preparation: EPA 3546

Initial/Final: 10.36 g / 5 mL

Source Sample Name: PDI-174SC-A-09-10-200521

| COMPOUND               | SPIKE ADDED (ug/kg dry) | SAMPLE CONCENTRATION (ug/kg dry) | MS CONCENTRATION (ug/kg dry) | MS % REC. (*=Out) | QC LIMITS REC. |
|------------------------|-------------------------|----------------------------------|------------------------------|-------------------|----------------|
| Acenaphthene           | 23.1                    | 6.34                             | 26.9                         | 89                | 40 - 123       |
| Acenaphthylene         | 23.1                    | ND                               | 21.2                         | 92                | 32 - 132       |
| Anthracene             | 23.1                    | ND                               | 22.0                         | 95                | 47 - 123       |
| Benzo(a)anthracene     | 23.1                    | ND                               | 21.0                         | 91                | 49 - 126       |
| Benzo(a)pyrene         | 23.1                    | ND                               | 22.9                         | 99                | 45 - 129       |
| Benzo(b)fluoranthene   | 23.1                    | ND                               | 21.4                         | 93                | 45 - 132       |
| Benzo(k)fluoranthene   | 23.1                    | ND                               | 21.4                         | 93                | 47 - 132       |
| Benzo(g,h,i)perylene   | 23.1                    | ND                               | 19.8                         | 86                | 43 - 134       |
| Chrysene               | 23.1                    | ND                               | 20.3                         | 88                | 50 - 124       |
| Dibenz(a,h)anthracene  | 23.1                    | ND                               | 20.7                         | 89                | 45 - 134       |
| Fluoranthene           | 23.1                    | 14.9                             | 36.5                         | 93                | 50 - 127       |
| Fluorene               | 23.1                    | 2.91                             | 23.9                         | 91                | 43 - 125       |
| Indeno(1,2,3-cd)pyrene | 23.1                    | ND                               | 20.5                         | 89                | 45 - 133       |
| 2-Methylnaphthalene    | 23.1                    | ND                               | 22.8                         | 98                | 38 - 122       |
| Naphthalene            | 23.1                    | ND                               | 22.4                         | 97                | 35 - 123       |
| Phenanthrene           | 23.1                    | 4.07                             | 23.0                         | 82                | 50 - 121       |
| Pyrene                 | 23.1                    | 20.6                             | 42.3                         | 94                | 47 - 127       |

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0D07056

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

| Sample Name       | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| MS Tune           | 0D07056-TUN1  | N04072011.D | 04/07/20 16:40     |
| Initial Cal Blank | 0D07056-ICB1  | N04072012.D | 04/07/20 17:07     |
| Cal Standard      | 0D07056-CAL1  | N04072013.D | 04/07/20 17:38     |
| Cal Standard      | 0D07056-CAL2  | N04072014.D | 04/07/20 18:10     |
| Cal Standard      | 0D07056-CAL3  | N04072015.D | 04/07/20 18:42     |
| Cal Standard      | 0D07056-CAL4  | N04072016.D | 04/07/20 19:28     |
| Cal Standard      | 0D07056-CAL5  | N04072017.D | 04/07/20 20:00     |
| Cal Standard      | 0D07056-CAL6  | N04072018.D | 04/07/20 20:32     |
| Cal Standard      | 0D07056-CAL7  | N04072019.D | 04/07/20 21:04     |
| Cal Standard      | 0D07056-CAL8  | N04072020.D | 04/07/20 21:36     |
| Cal Standard      | 0D07056-CAL9  | N04072021.D | 04/07/20 22:08     |
| Cal Standard      | 0D07056-CALA  | N04072022.D | 04/07/20 22:40     |
| Initial Cal Check | 0D07056-ICV1  | N04072024.D | 04/07/20 23:44     |

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0H03063

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

| Sample Name                    | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-------------|--------------------|
| MS Tune                        | 0H03063-TUN1  | N08032007.D | 08/03/20 15:36     |
| Calibration Check              | 0H03063-CCV1  | N08032008.D | 08/03/20 16:04     |
| Calibration Blank              | 0H03063-CCB1  | N08032009.D | 08/03/20 16:37     |
| Blank                          | 0080029-BLK1  | N08032010.D | 08/03/20 17:09     |
| LCS                            | 0080029-BS1   | N08032011.D | 08/03/20 17:42     |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | N08032012.D | 08/03/20 18:15     |
| PDI-174SC-A-08-09-200521 (Dup) | 0080029-DUP1  | N08032013.D | 08/03/20 18:48     |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | N08032014.D | 08/03/20 19:20     |
| PDI-174SC-A-09-10-200521 (MS)  | 0080029-MS1   | N08032015.D | 08/03/20 19:53     |

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

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

# MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N04072011.D

Injection Date: 04/07/20

Instrument ID: SV-GCMS14

Injection Time: 16:40

Sequence: 0D07056

Lab Sample ID: 0D07056-TUN1

| m/z     | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |      |
|---------|------------------------------------|----------------------|------|
| m/z 68  | Less than 2% of m/z 69             | 1.67                 | PASS |
| m/z 69  | Base peak, 100% relative abundance | 100.00               | PASS |
| m/z 70  | Less than 2% of m/z 69             | 0.51                 | PASS |
| m/z 197 | Less than 2% of m/z 198            | 0.55                 | PASS |
| m/z 198 | Base peak, 100% relative abundance | 100.00               | PASS |
| m/z 199 | 5 - 9% of m/z 198                  | 6.87                 | PASS |
| m/z 365 | 1 - 100% of m/z 198                | 4.27                 | PASS |
| m/z 441 | Less than 150% of m/z 443          | 77.32                | PASS |
| m/z 442 | 0.1 - 200% of m/z 198              | 130.54               | PASS |
| m/z 443 | 15 - 24% of m/z 442                | 19.90                | PASS |

# MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N08032007.D

Injection Date: 08/03/20

Instrument ID: SV-GCMS14

Injection Time: 15:36

Sequence: 0H03063

Lab Sample ID: 0H03063-TUN1

| m/z     | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |      |
|---------|------------------------------------|----------------------|------|
| m/z 68  | Less than 2% of m/z 69             | 1.97                 | PASS |
| m/z 69  | Base peak, 100% relative abundance | 100.00               | PASS |
| m/z 70  | Less than 2% of m/z 69             | 0.49                 | PASS |
| m/z 197 | Less than 2% of m/z 198            | 0.00                 | PASS |
| m/z 198 | Base peak, 100% relative abundance | 100.00               | PASS |
| m/z 199 | 5 - 9% of m/z 198                  | 6.73                 | PASS |
| m/z 365 | 1 - 100% of m/z 198                | 4.74                 | PASS |
| m/z 441 | Less than 150% of m/z 443          | 77.95                | PASS |
| m/z 442 | 0.1 - 200% of m/z 198              | 167.78               | PASS |
| m/z 443 | 15 - 24% of m/z 442                | 19.43                | PASS |

# INITIAL CALIBRATION DATA (Summary)

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D0804

Date: 04/08/20 10:34

Instrument: SV-GCMS14

| Compound                | Mean RF   | FIT | RF RSD   | Mean RT | RT RSD       | Linear r | Quad COD | LIMIT | Q |
|-------------------------|-----------|-----|----------|---------|--------------|----------|----------|-------|---|
| Acenaphthene            | 1.367868  | Ave | 3.000799 | 9.696   | 1.796568E-02 |          |          | 20    |   |
| Acenaphthylene          | 1.864683  | Ave | 7.055857 | 9.518   | 3.200379E-02 |          |          | 20    |   |
| Anthracene              | 0.9426797 | Ave | 5.693387 | 11.2418 | 2.145989E-02 |          |          | 20    |   |
| Benz(a)anthracene       | 1.037035  | Ave | 7.880205 | 14.9276 | 3.321642E-02 |          |          | 20    |   |
| Benzo(a)pyrene          | 0.8181488 | XXX | 18.30975 | 18.2733 | 0.0541615    |          |          |       |   |
| Benzo(b)fluoranthene    | 1.033776  | Ave | 7.029041 | 17.5072 | 3.803325E-02 |          |          | 20    |   |
| Benzo(k)fluoranthene    | 1.030571  | Ave | 8.101667 | 17.573  | 5.166942E-02 |          |          | 20    |   |
| Benzo(g,h,i)perylene    | 1.165254  | Ave | 12.77436 | 21.3304 | 5.532415E-02 |          |          | 20    |   |
| Chrysene                | 1.066565  | Ave | 3.809076 | 15.0088 | 3.806531E-02 |          |          | 20    |   |
| Dibenz(a,h)anthracene   | 1.095365  | Ave | 6.404011 | 20.8618 | 3.878894E-02 |          |          | 20    |   |
| Fluoranthene            | 1.134427  | Ave | 6.429081 | 12.46   | 1.643526E-02 |          |          | 20    |   |
| Fluorene                | 1.315227  | Ave | 3.539518 | 10.216  | 2.468543E-02 |          |          | 20    |   |
| Indeno(1,2,3-cd)pyrene  | 1.086276  | Ave | 6.33341  | 20.7966 | 4.284379E-02 |          |          | 20    |   |
| 2-Methylnaphthalene     | 0.7313287 | Ave | 4.601883 | 8.612   | 1.869654E-02 |          |          | 20    |   |
| Naphthalene             | 1.08918   | Ave | 5.059362 | 7.9246  | 2.266539E-02 |          |          | 20    |   |
| Phenanthrene            | 1.151046  | Ave | 5.449355 | 11.1904 | 3.034487E-02 |          |          | 20    |   |
| Pyrene                  | 1.297049  | Ave | 5.357284 | 12.7512 | 2.164713E-02 |          |          | 20    |   |
| 2-Fluorobiphenyl (Surr) | 1.548187  | Ave | 3.813926 | 8.973   | 2.165729E-02 |          |          | 20    |   |
| p-Terphenyl-d14 (Surr)  | 0.9662238 | Ave | 3.01504  | 12.9576 | 1.045169E-02 |          |          | 20    |   |

Note: \*\* Quad COD may be incorrect if weighting (1/a) or (1/a<sup>2</sup>) used. Weighting not shown here. Please see instrument calibration printouts for validation.

# INITIAL CALIBRATION DATA

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D0804

Instrument: SV-GCMS14

Calibration Date: 04/08/20 10:34

| Compound                  | Level 01 |           | Level 02 |           | Level 03 |           | Level 04 |           | Level 05 |           | Level 06 |           |
|---------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
|                           | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        |
| Acenaphthene              | 1        | 1.392981  | 2        | 1.401163  | 5        | 1.423281  | 10       | 1.398985  | 20       | 1.383199  | 50       | 1.371966  |
| Acenaphthylene            | 1        | 1.647526  | 2        | 1.721671  | 5        | 1.75393   | 10       | 1.785334  | 20       | 1.855293  | 50       | 1.929361  |
| Anthracene                | 1        | 0.9673167 | 2        | 0.8478943 | 5        | 0.8794569 | 10       | 0.9069728 | 20       | 0.973033  | 50       | 0.9519075 |
| Benz(a)anthracene         | 1        | 1.227169  | 2        | 1.102612  | 5        | 0.9789287 | 10       | 0.9766066 | 20       | 0.9639771 | 50       | 0.9916509 |
| Benzo(a)pyrene            | 1        | 0.6121478 | 2        | 0.6357193 | 5        | 0.6599396 | 10       | 0.7509002 | 20       | 0.7784889 | 50       | 0.8797828 |
| Benzo(b)fluoranthene      | 1        | 1.035048  | 2        | 0.9591165 | 5        | 0.9490622 | 10       | 0.9907528 | 20       | 1.00024   | 50       | 0.9982454 |
| Benzo(k)fluoranthene      | 1        | 0.978485  | 2        | 0.9062718 | 5        | 0.9110777 | 10       | 1.001783  | 20       | 1.018161  | 50       | 1.032891  |
| Benzo(b+k)fluoranthene(s) | 2        | 1.006766  | 4        | 1.004525  | 10       | 1.019857  | 20       | 1.074332  | 40       | 1.091367  | 100      | 1.072333  |
| Benzo(g,h,i)perylene      | 1        | 0.9646682 | 2        | 0.9675185 | 5        | 1.05158   | 10       | 1.080887  | 20       | 1.165723  | 50       | 1.189328  |
| Chrysene                  | 1        | 1.104808  | 2        | 1.160223  | 5        | 1.081351  | 10       | 1.04108   | 20       | 1.07212   | 50       | 1.056937  |
| Dibenz(a,h)anthracene     | 1        | 1.031261  | 2        | 0.9767061 | 5        | 1.093428  | 10       | 1.046585  | 20       | 1.083822  | 50       | 1.093796  |
| Fluoranthene              | 1        | 1.028441  | 2        | 1.051523  | 5        | 1.086274  | 10       | 1.116826  | 20       | 1.098095  | 50       | 1.145195  |
| Fluorene                  | 1        | 1.408347  | 2        | 1.266542  | 5        | 1.261454  | 10       | 1.296428  | 20       | 1.346312  | 50       | 1.288125  |
| Indeno(1,2,3-cd)pyrene    | 1        | 1.02815   | 2        | 1.006036  | 5        | 1.029843  | 10       | 1.053719  | 20       | 1.083622  | 50       | 1.07055   |
| 1-Methylnaphthalene       | 1        | 0.7224138 | 2        | 0.710285  | 5        | 0.7034837 | 10       | 0.7080097 | 20       | 0.7466831 | 50       | 0.7333436 |
| 2-Methylnaphthalene       | 1        | 0.6825082 | 2        | 0.6996163 | 5        | 0.713529  | 10       | 0.7036183 | 20       | 0.7341421 | 50       | 0.736935  |
| Naphthalene               | 1        | 1.189761  | 2        | 1.14893   | 5        | 1.132527  | 10       | 1.103493  | 20       | 1.101812  | 50       | 1.060371  |
| Phenanthrene              | 1        | 1.275149  | 2        | 1.192652  | 5        | 1.218825  | 10       | 1.159445  | 20       | 1.151735  | 50       | 1.133385  |
| Pyrene                    | 1        | 1.297026  | 2        | 1.266643  | 5        | 1.186004  | 10       | 1.29014   | 20       | 1.434048  | 50       | 1.239804  |
| Carbazole                 | 1        | 0.7677409 | 2        | 0.7410394 | 5        | 0.8064844 | 10       | 0.8287495 | 20       | 0.8289322 | 50       | 0.8573341 |
| Dibenzofuran              | 1        | 1.583388  | 2        | 1.611761  | 5        | 1.65507   | 10       | 1.699478  | 20       | 1.715996  | 50       | 1.649865  |
| 2-Fluorobiphenyl (Surr)   | 1        | 1.452442  | 2        | 1.545742  | 5        | 1.669823  | 10       | 1.604526  | 20       | 1.567368  | 50       | 1.544944  |
| p-Terphenyl-d14 (Surr)    | 1        | 0.9944604 | 2        | 0.9185764 | 5        | 0.9416842 | 10       | 0.9843256 | 20       | 1.019771  | 50       | 0.965637  |



# INITIAL CALIBRATION DATA (Continued)

## EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D0804

Instrument: SV-GCMS14

Matrix:

Calibration Date: 04/08/20 10:34

| Compound                  | Level 07 |           | Level 08 |           | Level 09 |           | Level 10 |           | Level 11 |    | Level 12 |    |
|---------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|----|----------|----|
|                           | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF        | ng/mL    | RF | ng/mL    | RF |
| Acenaphthene              | 100      | 1.351988  | 200      | 1.336444  | 400      | 1.332166  | 600      | 1.286508  |          |    |          |    |
| Acenaphthylene            | 100      | 1.947951  | 200      | 1.990471  | 400      | 2.036944  | 600      | 1.978354  |          |    |          |    |
| Anthracene                | 100      | 0.96925   | 200      | 0.9980842 | 400      | 1.017185  | 600      | 0.915697  |          |    |          |    |
| Benz(a)anthracene         | 100      | 0.975921  | 200      | 1.027038  | 400      | 1.066469  | 600      | 1.059977  |          |    |          |    |
| Benzo(a)pyrene            | 100      | 0.9163841 | 200      | 0.9736837 | 400      | 0.9996673 | 600      | 0.9747747 |          |    |          |    |
| Benzo(b)fluoranthene      | 100      | 1.018458  | 200      | 1.085782  | 400      | 1.137665  | 600      | 1.163387  |          |    |          |    |
| Benzo(k)fluoranthene      | 100      | 1.089058  | 200      | 1.12059   | 400      | 1.138559  | 600      | 1.108832  |          |    |          |    |
| Benzo(b+k)fluoranthene(s) | 200      | 1.103482  | 400      | 1.146313  | 800      | 1.179465  | 1200     | 1.17217   |          |    |          |    |
| Benzo(g,h,i)perylene      | 100      | 1.22438   | 200      | 1.272407  | 400      | 1.334467  | 600      | 1.401586  |          |    |          |    |
| Chrysene                  | 100      | 1.033546  | 200      | 1.048368  | 400      | 1.037786  | 600      | 1.029432  |          |    |          |    |
| Dibenz(a,h)anthracene     | 100      | 1.096948  | 200      | 1.128297  | 400      | 1.200371  | 600      | 1.202437  |          |    |          |    |
| Fluoranthene              | 100      | 1.158201  | 200      | 1.224466  | 400      | 1.25754   | 600      | 1.177714  |          |    |          |    |
| Fluorene                  | 100      | 1.300488  | 200      | 1.324758  | 400      | 1.367178  | 600      | 1.292641  |          |    |          |    |
| Indeno(1,2,3-cd)pyrene    | 100      | 1.071319  | 200      | 1.123916  | 400      | 1.168081  | 600      | 1.227521  |          |    |          |    |
| 1-Methylnaphthalene       | 100      | 0.7085991 | 200      | 0.7361777 | 400      | 0.7628629 | 600      | 0.729539  |          |    |          |    |
| 2-Methylnaphthalene       | 100      | 0.7225839 | 200      | 0.7660617 | 400      | 0.7871301 | 600      | 0.7671624 |          |    |          |    |
| Naphthalene               | 100      | 1.02942   | 200      | 1.04828   | 400      | 1.048821  | 600      | 1.02838   |          |    |          |    |
| Phenanthrene              | 100      | 1.083727  | 200      | 1.116584  | 400      | 1.089235  | 600      | 1.089727  |          |    |          |    |
| Pyrene                    | 100      | 1.244536  | 200      | 1.322556  | 400      | 1.336945  | 600      | 1.352787  |          |    |          |    |
| Carbazole                 | 100      | 0.8602247 | 200      | 0.872182  | 400      | 0.8554395 | 600      | 0.7202373 |          |    |          |    |
| Dibenzofuran              | 100      | 1.658052  | 200      | 1.65795   | 400      | 1.694863  | 600      | 1.629906  |          |    |          |    |
| 2-Fluorobiphenyl (Surr)   | 100      | 1.53277   | 200      | 1.524237  | 400      | 1.547009  | 600      | 1.493007  |          |    |          |    |
| p-Terphenyl-d14 (Surr)    | 100      | 0.9400054 | 200      | 0.9709509 | 400      | 0.9682824 | 600      | 0.9585442 |          |    |          |    |

# SECOND-SOURCE CALIBRATION VERIFICATION

## EPA 8270D

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                     |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u> |
| Instrument ID: <u>SV-GCMS14</u>      | Calibration: <u>A0D0804</u>                         |
| Lab File ID: <u>N04072024.D</u>      |   |
| Sequence: <u>0D07056</u>             | Inject Date: <u>04/07/20</u>                        |
| Lab Sample ID: <u>0D07056-ICV1</u>   | Inject Time: <u>23:44</u>                           |

| ANALYTE                 | EXPECTED<br>(ng/mL) | FOUND<br>(ng/mL) | % DRIFT | QC LIMIT |
|-------------------------|---------------------|------------------|---------|----------|
| Acenaphthene            | 50.0                | 50.2             | 0.4     | 70 - 130 |
| Acenaphthylene          | 50.0                | 50.5             | 0.9     | 70 - 130 |
| Anthracene              | 50.0                | 49.6             | -0.9    | 70 - 130 |
| Benz(a)anthracene       | 50.0                | 46.7             | -6.7    | 70 - 130 |
| Benzo(a)pyrene          | 50.0                | 49.6             | -0.8    | 70 - 130 |
| Benzo(b)fluoranthene    | 50.0                | 46.6             | -6.8    | 70 - 130 |
| Benzo(k)fluoranthene    | 50.0                | 49.5             | -1.1    | 70 - 130 |
| Benzo(g,h,i)perylene    | 50.0                | 52.0             | 4.0     | 70 - 130 |
| Chrysene                | 50.0                | 51.0             | 2.1     | 70 - 130 |
| Dibenz(a,h)anthracene   | 50.0                | 48.6             | -2.9    | 70 - 130 |
| Fluoranthene            | 50.0                | 48.6             | -2.7    | 70 - 130 |
| Fluorene                | 50.0                | 51.3             | 2.7     | 70 - 130 |
| Indeno(1,2,3-cd)pyrene  | 50.0                | 47.8             | -4.5    | 70 - 130 |
| 1-Methylnaphthalene     | 50.0                | 49.7             | -0.5    | 70 - 130 |
| 2-Methylnaphthalene     | 50.0                | 49.2             | -1.6    | 70 - 130 |
| Naphthalene             | 50.0                | 46.5             | -7.0    | 70 - 130 |
| Phenanthrene            | 50.0                | 49.3             | -1.4    | 70 - 130 |
| Pyrene                  | 50.0                | 56.5             | 13.0    | 70 - 130 |
| 2-Fluorobiphenyl (Surr) | 50.0                | 51.2             | 2.4     | 70 - 130 |
| p-Terphenyl-d14 (Surr)  | 50.0                | 51.7             | 3.5     | 70 - 130 |

# CONTINUING CALIBRATION CHECK

## EPA 8270D

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: SV-GCMS14

Calibration: A0D0804

Lab File ID: N08032008.D

Calibration Date: 04/08/20 10:34

Sequence: 0H03063

Injection Date: 08/03/20

Lab Sample ID: 0H03063-CCV1

Injection Time: 16:04

| COMPOUND               | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] |      |        | Response Factors [Ave RF] |           |         | Limit |
|------------------------|-----------|---|------|--------|---------------------------|-----------|---------|-------|
|                        |           | STD   | CCV  | % DIFF | ICAL                      | CCV       | % Drift |       |
| Acenaphthene           | Ave       | 50.0  | 49.4 |        | 1.367868                  | 1.35266   | -1.1    | 20    |
| Acenaphthylene         | Ave       | 50.0  | 50.6 |        | 1.864683                  | 1.886846  | 1.2     | 20    |
| Anthracene             | Ave       | 50.0  | 53.3 |        | 0.9426797                 | 1.005673  | 6.7     | 20    |
| Benz(a)anthracene      | Ave       | 50.0  | 51.8 |        | 1.037035                  | 1.074867  | 3.6     | 20    |
| Benzo(a)pyrene         | XXX       | 50.0  | 56.6 | 13.3   |                           |           |         | 20    |
| Benzo(b)fluoranthene   | Ave       | 50.0  | 53.8 |        | 1.033776                  | 1.111761  | 7.5     | 20    |
| Benzo(k)fluoranthene   | Ave       | 50.0  | 52.7 |        | 1.030571                  | 1.086427  | 5.4     | 20    |
| Benzo(g,h,i)perylene   | Ave       | 50.0  | 48.9 |        | 1.165254                  | 1.139065  | -2.2    | 20    |
| Chrysene               | Ave       | 50.0  | 48.1 |        | 1.066565                  | 1.026642  | -3.7    | 20    |
| Dibenz(a,h)anthracene  | Ave       | 50.0  | 49.2 |        | 1.095365                  | 1.076754  | -1.7    | 20    |
| Fluoranthene           | Ave       | 50.0  | 54.1 |        | 1.134427                  | 1.227504  | 8.2     | 20    |
| Fluorene               | Ave       | 50.0  | 51.8 |        | 1.315227                  | 1.362804  | 3.6     | 20    |
| Indeno(1,2,3-cd)pyrene | Ave       | 50.0  | 49.3 |        | 1.086276                  | 1.070584  | -1.4    | 20    |
| 2-Methylnaphthalene    | Ave       | 50.0  | 53.6 |        | 0.7313287                 | 0.7843786 | 7.3     | 20    |
| Naphthalene            | Ave       | 50.0  | 47.7 |        | 1.08918                   | 1.039422  | -4.6    | 20    |
| Phenanthrene           | Ave       | 50.0  | 48.2 |        | 1.151046                  | 1.109649  | -3.6    | 20    |
| Pyrene                 | Ave       | 50.0  | 53.3 |        | 1.297049                  | 1.383193  | 6.6     | 20    |

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

\* = Values outside of QC limits

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8270D

|                                      |  |
|--------------------------------------|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                                |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u> |
| Sequence: <u>0D07056</u>             | Instrument: <u>SV-GCMS14</u>                                   |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0D0804</u>                                    |

| Surrogate Compound                      | Spike Level<br>ng/mL | % Recovery | Recovery Limits          | RT     | Calibration Mean RT      | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|--------------------------|--------|--------------------------|---------|---------------|---|
| <b>Initial Cal Check (0D07056-ICV1)</b> |                      |            | Lab File ID: N04072024.D |        | Analyzed: 04/07/20 23:44 |         |               |   |
| 2-Fluorobiphenyl (Surr)                 | 50.0                 | 102        | 70 - 130                 | 8.973  | 8.973                    | 0.0000  | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                  | 50.0                 | 103        | 70 - 130                 | 12.954 | 12.9576                  | -0.0036 | +/-1.0        |   |

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8270D

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: <u>0H03063</u>             | Instrument: <u>SV-GCMS14</u>                                  |
| Matrix: <u>Sediment</u>              | Calibration: <u>A0D0804</u>                                   |

| Surrogate Compound                           | Spike Level ng/mL | % Recovery | Recovery Limits          | RT     | Calibration Mean RT      | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|--------------------------|--------|--------------------------|---------|---------------|---|
| <b>Calibration Check (0H03063-CCV1)</b>      |                   |            | Lab File ID: N08032008.D |        | Analyzed: 08/03/20 16:04 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 50.0              | 98         | 80 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 50.0              | 107        | 80 - 120                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>Calibration Blank (0H03063-CCB1)</b>      |                   |            | Lab File ID: N08032009.D |        | Analyzed: 08/03/20 16:37 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      |                   |            | 44 - 120                 | 0      | 8.973                    | -8.9730 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       |                   |            | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>Blank (0080029-BLK1)</b>                  |                   |            | Lab File ID: N08032010.D |        | Analyzed: 08/03/20 17:09 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 45.5              | 78         | 44 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 45.5              | 94         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>LCS (0080029-BS1)</b>                     |                   |            | Lab File ID: N08032011.D |        | Analyzed: 08/03/20 17:42 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 50.0              | 79         | 44 - 120                 | 8.828  | 8.973                    | -0.1450 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 50.0              | 95         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |                   |            | Lab File ID: N08032012.D |        | Analyzed: 08/03/20 18:15 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 51.9              | 81         | 44 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 51.9              | 93         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>Duplicate (0080029-DUP1)</b>              |                   |            | Lab File ID: N08032013.D |        | Analyzed: 08/03/20 18:48 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 52.3              | 73         | 44 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 52.3              | 90         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27)</b> |                   |            | Lab File ID: N08032014.D |        | Analyzed: 08/03/20 19:20 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 57.2              | 77         | 44 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 57.2              | 92         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |
| <b>Matrix Spike (0080029-MS1)</b>            |                   |            | Lab File ID: N08032015.D |        | Analyzed: 08/03/20 19:53 |         |               |   |
| 2-Fluorobiphenyl (Surr)                      | 57.8              | 77         | 44 - 120                 | 8.827  | 8.973                    | -0.1460 | +/-1.0        |   |
| p-Terphenyl-d14 (Surr)                       | 57.8              | 91         | 54 - 127                 | 12.762 | 12.9576                  | -0.1956 | +/-1.0        |   |

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

Laboratory: Apex Laboratories  
 Client: Anchor QEA, LLC  
 Sequence: 0H03063  
 Matrix: Sediment

SDG: Gasco PreRD\_DG 2019  
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C  
 Instrument: SV-GCMS14  
 Calibration: A0D0804

| Internal Standard                            | Response | RT     | Reference Response       | Reference RT | Area % | Area % Limits            | RT Diff | RT Diff Limit | Q |
|--|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| <b>Calibration Check (0H03063-CCV1)</b>      |          |        | Lab File ID: N08032008.D |              |        | Analyzed: 08/03/20 16:04 |         |               |   |
| Naphthalene-d8 (ISTD)                        | 257493   | 7.761  | 265079                   | 7.906        | 97     | 50 - 200                 | -0.1450 | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                      | 161674   | 9.515  | 146492                   | 9.661        | 110    | 50 - 200                 | -0.1460 | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                      | 283468   | 11.019 | 242013                   | 11.165       | 117    | 50 - 200                 | -0.1460 | +/-0.50       |   |
| Chrysene-d12 (ISTD)                          | 258499   | 14.679 | 238949                   | 14.947       | 108    | 50 - 200                 | -0.2680 | +/-0.50       |   |
| Perylene-d12 (ISTD)                          | 239127   | 18.141 | 233103                   | 18.41        | 103    | 50 - 200                 | -0.2690 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)             | 201604   | 20.52  | 190743                   | 20.794       | 106    | 50 - 200                 | -0.2740 | +/-0.50       |   |
| <b>Calibration Blank (0H03063-CCB1)</b>      |          |        | Lab File ID: N08032009.D |              |        | Analyzed: 08/03/20 16:37 |         |               |   |
| Naphthalene-d8 (ISTD)                        | 256478   | 7.761  | 257493                   | 7.761        | 100    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                      | 164869   | 9.515  | 161674                   | 9.515        | 102    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                      | 291955   | 11.019 | 283468                   | 11.019       | 103    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                          | 284553   | 14.679 | 258499                   | 14.679       | 110    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                          | 269542   | 18.136 | 239127                   | 18.141       | 113    | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)             | 235516   | 20.52  | 201604                   | 20.52        | 117    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| <b>Blank (0080029-BLK1)</b>                  |          |        | Lab File ID: N08032010.D |              |        | Analyzed: 08/03/20 17:09 |         |               |   |
| Naphthalene-d8 (ISTD)                        | 263262   | 7.761  | 257493                   | 7.761        | 102    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                      | 171955   | 9.515  | 161674                   | 9.515        | 106    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                      | 293714   | 11.019 | 283468                   | 11.019       | 104    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                          | 268952   | 14.679 | 258499                   | 14.679       | 104    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                          | 254646   | 18.136 | 239127                   | 18.141       | 106    | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)             | 225716   | 20.52  | 201604                   | 20.52        | 112    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| <b>LCS (0080029-BS1)</b>                     |          |        | Lab File ID: N08032011.D |              |        | Analyzed: 08/03/20 17:42 |         |               |   |
| Naphthalene-d8 (ISTD)                        | 253065   | 7.761  | 257493                   | 7.761        | 98     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                      | 157066   | 9.515  | 161674                   | 9.515        | 97     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                      | 264539   | 11.019 | 283468                   | 11.019       | 93     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                          | 211298   | 14.679 | 258499                   | 14.679       | 82     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                          | 193671   | 18.136 | 239127                   | 18.141       | 81     | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)             | 173324   | 20.52  | 201604                   | 20.52        | 86     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| <b>PDI-174SC-A-08-09-200521 (A0E0670-26)</b> |          |        | Lab File ID: N08032012.D |              |        | Analyzed: 08/03/20 18:15 |         |               |   |
| Naphthalene-d8 (ISTD)                        | 283451   | 7.761  | 257493                   | 7.761        | 110    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                      | 164335   | 9.515  | 161674                   | 9.515        | 102    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                      | 268509   | 11.019 | 283468                   | 11.019       | 95     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                          | 271530   | 14.679 | 258499                   | 14.679       | 105    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                          | 264585   | 18.136 | 239127                   | 18.141       | 111    | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)             | 231149   | 20.52  | 201604                   | 20.52        | 115    | 50 - 200                 | 0.0000  | +/-0.50       |   |

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

Laboratory: Apex Laboratories  
 Client: Anchor QEA, LLC  
 Sequence: 0H03063  
 Matrix: Sediment

SDG: Gasco PreRD DG 2019  
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co  
 Instrument: SV-GCMS14  
 Calibration: A0D0804

| Internal Standard                             | Response | RT     | Reference Response       | Reference RT | Area % | Area % Limits            | RT Diff | RT Diff Limit | Q |
|---|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| <b>Duplicate (0080029-DUP1 )</b>              |          |        | Lab File ID: N08032013.D |              |        | Analyzed: 08/03/20 18:48 |         |               |   |
| Naphthalene-d8 (ISTD)                         | 278726   | 7.761  | 257493                   | 7.761        | 108    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                       | 160292   | 9.515  | 161674                   | 9.515        | 99     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                       | 241277   | 11.019 | 283468                   | 11.019       | 85     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                           | 203164   | 14.674 | 258499                   | 14.679       | 79     | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Perylene-d12 (ISTD)                           | 193260   | 18.136 | 239127                   | 18.141       | 81     | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)              | 165174   | 20.52  | 201604                   | 20.52        | 82     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| <b>PDI-174SC-A-09-10-200521 (A0E0670-27 )</b> |          |        | Lab File ID: N08032014.D |              |        | Analyzed: 08/03/20 19:20 |         |               |   |
| Naphthalene-d8 (ISTD)                         | 264663   | 7.761  | 257493                   | 7.761        | 103    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                       | 166224   | 9.515  | 161674                   | 9.515        | 103    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                       | 287872   | 11.019 | 283468                   | 11.019       | 102    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                           | 267225   | 14.679 | 258499                   | 14.679       | 103    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                           | 255195   | 18.136 | 239127                   | 18.141       | 107    | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)              | 218602   | 20.52  | 201604                   | 20.52        | 108    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| <b>Matrix Spike (0080029-MS1 )</b>            |          |        | Lab File ID: N08032015.D |              |        | Analyzed: 08/03/20 19:53 |         |               |   |
| Naphthalene-d8 (ISTD)                         | 253126   | 7.761  | 257493                   | 7.761        | 98     | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Acenaphthene-d10 (ISTD)                       | 162041   | 9.515  | 161674                   | 9.515        | 100    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Phenanthrene-d10 (ISTD)                       | 283654   | 11.019 | 283468                   | 11.019       | 100    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Chrysene-d12 (ISTD)                           | 257635   | 14.679 | 258499                   | 14.679       | 100    | 50 - 200                 | 0.0000  | +/-0.50       |   |
| Perylene-d12 (ISTD)                           | 243362   | 18.136 | 239127                   | 18.141       | 102    | 50 - 200                 | -0.0050 | +/-0.50       |   |
| Dibenz(a,h)anthracene-d14 (ISTD)              | 209257   | 20.52  | 201604                   | 20.52        | 104    | 50 - 200                 | 0.0000  | +/-0.50       |   |

# HOLDING TIME SUMMARY

## EPA 8270D

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-174SC-A-08-09-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:18 | 74.01        | 14.00            | 08/03/20<br>18:15 | 0.25             | 40.00                | * |
| PDI-174SC-A-09-10-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>12:18 | 74.01        | 14.00            | 08/03/20<br>19:20 | 0.29             | 40.00                | * |



# Apex Laboratories

SDG: Gasco PreRD\_DG 2019

CLASS: WET

METHOD: SM 5310 B MOD

# ANALYSES DATA PACKAGE COVER PAGE

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

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**Client Sample Id:**

PDI-174SC-A-08-09-200521

PDI-174SC-A-09-10-200521

**Lab Sample Id:**

A0E0670-26

A0E0670-27

**Matrix**

SE

SE

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

Signature: \_\_\_\_\_



Name: \_\_\_\_\_

David G. Jack

Forms Created: \_\_\_\_\_

8/11/2020 2:44PM

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

Technical Manager

# METHOD DETECTION AND REPORTING LIMITS

## SM 5310 B MOD

**Laboratory:** Apex Laboratories

**SDG:** Gasco PreRD\_DG 2019

**Client:** Anchor QEA, LLC

**Project:** Gasco PreRD\_DG 2019 - 4a-b, DOC-CAP

**Batch Matrix:** Soil

| Analyte              | MDL   | MRL   | Units       |
|----------------------|-------|-------|-------------|
| Total Organic Carbon | 0.020 | 0.020 | % by Weight |

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

**INORGANIC ANALYSIS DATA SHEET**  
**SM 5310 B MOD**

PDI-174SC-A-08-09-200521

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0E0670-26

File ID: 0h05039.txt-007

Sampled: 05/21/20 12:10

Prepared: 08/03/20 10:32

Analyzed: 08/05/20 14:32

Solids: 91.32

Preparation: PSEP-5310B TOC

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

Batch: 0080017

Sequence: 0H05039

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte              | Concentration<br>(% by Weight) | Dilution<br>Factor | Q | Method        |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC     | Total Organic Carbon | 0.022                          | 1                  |   | SM 5310 B MOD |

**INORGANIC ANALYSIS DATA SHEET**  
**SM 5310 B MOD**

PDI-174SC-A-09-10-200521

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0E0670-27

File ID: 0h05039.txt-010

Sampled: 05/21/20 12:10

Prepared: 08/03/20 10:32

Analyzed: 08/05/20 15:04

Solids: 83.47

Preparation: PSEP-5310B TOC

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

Batch: 0080017

Sequence: 0H05039

Calibration: A0F1203

Instrument: TOC6

| CAS NO. | Analyte              | Concentration<br>(% by Weight) | Dilution<br>Factor | Q | Method        |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC     | Total Organic Carbon | 0.020                          | 1                  | U | SM 5310 B MOD |

# PREPARATION BATCH SUMMARY

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0080017 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

| SAMPLE NAME                    | LAB SAMPLE ID | LAB FILE ID     | DATE PREPARED  | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank                          | 0080017-BLK1  | 0h05039.txt-005 | 08/03/20 10:32 |              |
| LCS                            | 0080017-BS1   | 0h05039.txt-006 | 08/03/20 10:32 |              |
| PDI-174SC-A-08-09-200521 (Dup) | 0080017-DUP1  | 0h05039.txt-008 | 08/03/20 10:32 |              |
| PDI-174SC-A-08-09-200521 (Dup) | 0080017-DUP2  | 0h05039.txt-009 | 08/03/20 10:32 |              |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | 0h05039.txt-007 | 08/03/20 10:32 |              |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | 0h05039.txt-010 | 08/03/20 10:32 |              |

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

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

**METHOD BLANK DATA SHEET**  
**SM 5310 B MOD**

|                                      |   |   |
|--------------------------------------|---|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |   |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |   |
| Matrix: <u>Soil</u>                  | Laboratory ID: <u>0080017-BLK1</u>                            | File ID: <u>0h05039.txt-005</u>         |
| Prepared: <u>08/03/20 10:32</u>      | Preparation: <u>PSEP-5310B TOC</u>                            | Initial/Final: <u>0.2 N/A / 0.2 N/A</u> |
| Analyzed: <u>08/05/20 14:10</u>      | Instrument: <u>TOC6</u>                                       |   |
| Batch: <u>0080017</u>                | Sequence: <u>0H05039</u>                                      | Calibration: <u>A0F1203</u>             |

| CAS NO. | COMPOUND             | CONC. (% by Weight) | Q |
|---------|----------------------|---------------------|---|
| TOC     | Total Organic Carbon | 0.020               | U |

# LCS / LCS DUPLICATE RECOVERY

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Soil

Batch: 0080017

Laboratory ID: 0080017-BS1

Preparation: PSEP-5310B TOC

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

| COMPOUND             | SPIKE<br>ADDED<br>(mg/kg) | LCS<br>CONCENTRATION<br>(mg/kg) | LCS<br>% REC.<br>(* = Out) | QC<br>LIMITS<br>REC. |
|----------------------|---------------------------|---------------------------------|----------------------------|----------------------|
| Total Organic Carbon | 10000                     | 10000                           | 102                        | 88 - 111             |

\* = Values outside of QC limits



**DUPLICATES**  
**SM 5310 B MOD**

**PDI-174SC-A-08-09-200521**

Laboratory: Apex Laboratories  
 Client: Anchor QEA, LLC  
 Matrix: Soil  
 Batch: 0080017  
 Preparation: PSEP-5310B TOC  
 Source Sample Name: PDI-174SC-A-08-09-200521

SDG: Gasco PreRD\_DG 2019  
 Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP  
 Laboratory ID: 0080017-DUP1  
 Lab Source ID: A0E0670-26  
 Initial/Final: 0.2 N/A / 0.2 N/A  
 % Solids: 91.32

| ANALYTE              | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD        |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 27            | 0.022                              |   | ND                                    |   |       |   | SM 5310 B MOD |

\* Values outside of QC limits

**DUPLICATES**  
**SM 5310 B MOD**

**PDI-174SC-A-08-09-200521**

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP

Matrix: Soil

Laboratory ID: 0080017-DUP2

Batch: 0080017

Lab Source ID: A0E0670-26

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-174SC-A-08-09-200521

% Solids: 91.32

| ANALYTE              | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD        |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 27            | 0.022                              |   | ND                                    |   |       |   | SM 5310 B MOD |

\* Values outside of QC limits

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0F12047

Instrument: TOC6

Matrix: Soil

Calibration: A0F1203

| Sample Name       | Lab Sample ID | Lab File ID     | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Cal Standard      | 0F12047-CAL2  | 0F12047.txt-005 | 06/12/20 19:40     |
| Cal Standard      | 0F12047-CAL3  | 0F12047.txt-006 | 06/12/20 19:50     |
| Cal Standard      | 0F12047-CAL4  | 0F12047.txt-007 | 06/12/20 20:01     |
| Cal Standard      | 0F12047-CAL5  | 0F12047.txt-008 | 06/12/20 20:12     |
| Cal Standard      | 0F12047-CAL6  | 0F12047.txt-009 | 06/12/20 20:23     |
| Cal Standard      | 0F12047-CAL7  | 0F12047.txt-010 | 06/12/20 20:33     |
| Cal Standard      | 0F12047-CAL8  | 0F12047.txt-011 | 06/12/20 20:44     |
| Initial Cal Check | 0F12047-ICV1  | 0F12047.txt-014 | 06/12/20 21:17     |
| Initial Cal Blank | 0F12047-ICB1  | 0F12047.txt-015 | 06/12/20 21:28     |

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

## SM 5310 B MOD

|                                      |   |
|--------------------------------------|---|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>Gasco PreRD_DG 2019</u>                               |
| Client: <u>Anchor QEA, LLC</u>       | Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u> |
| Sequence: <u>0H05039</u>             | Instrument: <u>TOC6</u>                                       |
| Matrix: <u>Soil</u>                  | Calibration: <u>A0F1203</u>                                   |

| Sample Name                    | Lab Sample ID | Lab File ID     | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check              | 0H05039-CCV1  | 0h05039.txt-003 | 08/05/20 13:49     |
| Calibration Blank              | 0H05039-CCB1  | 0h05039.txt-004 | 08/05/20 13:59     |
| Blank                          | 0080017-BLK1  | 0h05039.txt-005 | 08/05/20 14:10     |
| LCS                            | 0080017-BS1   | 0h05039.txt-006 | 08/05/20 14:21     |
| PDI-174SC-A-08-09-200521       | A0E0670-26    | 0h05039.txt-007 | 08/05/20 14:32     |
| PDI-174SC-A-08-09-200521 (Dup) | 0080017-DUP1  | 0h05039.txt-008 | 08/05/20 14:43     |
| PDI-174SC-A-08-09-200521 (Dup) | 0080017-DUP2  | 0h05039.txt-009 | 08/05/20 14:53     |
| PDI-174SC-A-09-10-200521       | A0E0670-27    | 0h05039.txt-010 | 08/05/20 15:04     |
| Calibration Check              | 0H05039-CCV2  | 0h05039.txt-011 | 08/05/20 15:15     |
| Calibration Blank              | 0H05039-CCB2  | 0h05039.txt-012 | 08/05/20 15:26     |
| Calibration Check              | 0H05039-CCV4  | 0h05039.txt-034 | 08/05/20 19:23     |
| Calibration Blank              | 0H05039-CCB4  | 0h05039.txt-035 | 08/05/20 19:34     |
| Calibration Check              | 0H05039-CCV5  | 0h05039.txt-044 | 08/05/20 21:11     |
| Calibration Blank              | 0H05039-CCB5  | 0h05039.txt-045 | 08/05/20 21:22     |

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.

# INITIAL CALIBRATION DATA (Summary)

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0F1203

Date: 06/12/20 18:48

Instrument: TOC6

| Compound             | Mean RF  | FIT | RF RSD   | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|----------------------|----------|-----|----------|---------|--------|----------|----------|-------|---|
| Total Organic Carbon | 130.7169 | Lin | 2.510081 |         |        | 0.99996  |          |       |   |

Note: \*\* Quad COD may be incorrect if weighting (1/a) or (1/a<sup>2</sup>) used. Weighting not shown here. Please see instrument calibration printouts for validation.

**INITIAL CALIBRATION DATA**  
**SM 5310 B MOD**

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0F1203

Instrument: TOC6

Calibration Date: 06/12/20 18:48

| Compound             | Level 01 |          | Level 02 |          | Level 03 |          | Level 04 |          | Level 05 |          | Level 06 |          |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                      | mg/kg    | RF       | mg/kg    | RF       | mg/kg    | RF       | mg/kg    | RF       | mg/kg    | RF       | mg/kg    | RF       |
| Total Organic Carbon | 200      | 136.9811 | 500      | 129.2063 | 1000     | 131.8015 | 2500     | 129.2424 | 5000     | 126.3778 | 12500    | 130.0366 |

# INITIAL CALIBRATION DATA (Continued)

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0F1203

Instrument: TOC6

Matrix:

Calibration Date: 06/12/20 18:48

| Compound             | Level 07 |          | Level 08 |    | Level 09 |    | Level 10 |    | Level 11 |    | Level 12 |    |
|----------------------|----------|----------|----------|----|----------|----|----------|----|----------|----|----------|----|
|                      | mg/kg    | RF       | mg/kg    | RF | mg/kg    | RF | mg/kg    | RF | mg/kg    | RF | mg/kg    | RF |
| Total Organic Carbon | 25000    | 131.3728 |          |    |          |    |          |    |          |    |          |    |

# INITIAL AND CONTINUING CALIBRATION CHECK

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: TOC6

Calibration: A0F1203

Control Limit: +/- 10.00%

Sequence: 0F12047

| Lab Sample ID | Analyte              | True  | Found | %R | Units | Method        |
|---------------|----------------------|-------|-------|----|-------|---------------|
| 0F12047-ICV1  | Total Organic Carbon | 10000 | 9600  | 96 | mg/kg | SM 5310 B MOD |

\* Values outside of QC limits



# INITIAL AND CONTINUING CALIBRATION CHECK

## SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: TOC6

Calibration: A0F1203

Control Limit: +/- 10.00%

Sequence: 0H05039

| Lab Sample ID | Analyte              | True  | Found | %R  | Units | Method        |
|---------------|----------------------|-------|-------|-----|-------|---------------|
| 0H05039-CCV1  | Total Organic Carbon | 10000 | 11000 | 108 | mg/kg | SM 5310 B MOD |
| 0H05039-CCV2  | Total Organic Carbon | 10000 | 9600  | 96  | mg/kg | SM 5310 B MOD |
| 0H05039-CCV4  | Total Organic Carbon | 10000 | 9500  | 95  | mg/kg | SM 5310 B MOD |
| 0H05039-CCV5  | Total Organic Carbon | 10000 | 10000 | 100 | mg/kg | SM 5310 B MOD |

\* Values outside of OC limits

**INSTRUMENT BLANKS**  
**SM 5310 B MOD**

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0F12047

Calibration: A0F1203

| Lab Sample ID | Analyte              | Found | RL         | Units | C | Method        |
|---------------|----------------------|-------|------------|-------|---|---------------|
| 0F12047-ICB1  | Total Organic Carbon | ND    | 200 (Inst) | mg/kg |   | SM 5310 B MOD |

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

**INSTRUMENT BLANKS**  
**SM 5310 B MOD**

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0H05039

Calibration: A0F1203

| <b>Lab Sample ID</b> | <b>Analyte</b>       | <b>Found</b> | <b>RL</b>  | <b>Units</b> | <b>C</b> | <b>Method</b> |
|----------------------|----------------------|--------------|------------|--------------|----------|---------------|
| 0H05039-CCB1         | Total Organic Carbon | ND           | 200 (Inst) | mg/kg        |          | SM 5310 B MOD |
| 0H05039-CCB2         | Total Organic Carbon | ND           | 200 (Inst) | mg/kg        |          | SM 5310 B MOD |
| 0H05039-CCB4         | Total Organic Carbon | ND           | 200 (Inst) | mg/kg        |          | SM 5310 B MOD |
| 0H05039-CCB5         | Total Organic Carbon | ND           | 200 (Inst) | mg/kg        |          | SM 5310 B MOD |

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

**HOLDING TIME SUMMARY**  
**SM 5310 B MOD**

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-174SC-A-08-09-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>10:32 | 73.93        | 28.00            | 08/05/20<br>14:32 | 76.10            | 28.00                | * |
| PDI-174SC-A-09-10-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/03/20<br>10:32 | 73.93        | 28.00            | 08/05/20<br>15:04 | 76.12            | 28.00                | * |

# Apex Laboratories

SDG: Gasco PreRD\_DG 2019

CLASS: WET

METHOD: SM 2540 G

**ANALYSES DATA PACKAGE COVER PAGE**

**SM 2540 G**

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP Testing Co

---

**Client Sample Id:**

**Lab Sample Id:**

**Matrix**

PDI-174SC-A-08-09-200521

A0E0670-26

SE

PDI-174SC-A-09-10-200521

A0E0670-27

SE

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

Signature: \_\_\_\_\_



Name: \_\_\_\_\_

David G. Jack

Forms Created: \_\_\_\_\_

8/11/2020 2:44PM

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 evaluated to the MDL in this report .

# INORGANIC ANALYSIS DATA SHEET

SM 2540 G

|                          |
|--------------------------|
| PDI-174SC-A-08-09-200521 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0E0670-26

Sampled: 05/21/20 12:10

Prepared: 08/04/20 11:46

Analyzed: 08/05/20 12:55

Solids: 91.32

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0080073

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte      | Concentration<br>(% by Weight) | Dilution<br>Factor | Q | Method    |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS      | Total Solids | 91.3                           | 1                  |   | SM 2540 G |



# INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-174SC-A-09-10-200521

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0E0670-27

Sampled: 05/21/20 12:10

Prepared: 08/04/20 11:46

Analyzed: 08/05/20 12:55

Solids: 83.47

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0080073

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte      | Concentration<br>(% by Weight) | Dilution<br>Factor | Q | Method    |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS      | Total Solids | 83.5                           | 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 Co

Batch: 0080073 Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

| SAMPLE NAME                    | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED  | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| PDI-174SC-A-08-09-200521 (Dup) | 0080073-DUP1  |             | 08/04/20 11:46 |              |
| PDI-174SC-A-08-09-200521       | A0E0670-26    |             | 08/04/20 11:46 |              |
| PDI-174SC-A-09-10-200521       | A0E0670-27    |             | 08/04/20 11:46 |              |

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

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

# DUPLICATES

PDI-174SC-A-08-09-200521

## SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD\_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD\_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0080073-DUP1

Batch: 0080073

Lab Source ID: A0E0670-26

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-174SC-A-08-09-200521

% Solids: 91.32

| ANALYTE      | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD    |
|--------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|-----------|
| Total Solids | 10            | 91.3                               |   | 91.7                                  |   | 0.4   |   | 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-174SC-A-08-09-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/04/20<br>11:46 | 74.98        | 180.00           | 08/05/20<br>12:55 | 1.05             |                      |   |
| PDI-174SC-A-09-10-200521 | 05/21/20<br>12:10 | 05/22/20<br>12:20 | 08/04/20<br>11:46 | 74.98        | 180.00           | 08/05/20<br>12:55 | 1.05             |                      |   |

**Raw Data**

**Polychlorinated Biphenyls by EPA 8082A  
Benchsheet & Analysis Sequence Data**

Batch 0080028  
Sequence 0H05027 (A0E0670-26,27)



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

**BATCH #: 0080028 (Sediment)**

Prep Method: EPA 3546

| # | Lab Number   | Analysis  | Prepared       | Initial (g) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments | pH |       |     |  |
|---|--------------|---|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|---------------------|----|-------|-----|--|
|   |              |   |                |             |            |          |            |          |          |                          |                     | <2 | Other | >11 |  |
|   | 0080028-BLK1 | QC  | 08/03/20 12:17 | 31          | 2          |          |            |          | 200      |                          |                     |    |       |     |  |
|   | 0080028-BS1  | QC  | 08/03/20 12:17 | 30          | 2          | A20G333  |            | 100      | 100      |                          |                     |    |       |     |  |
|   | A0E0670-26   | A 8082 PCBs - Low Level (15g/1mL) - Development | 08/03/20 12:17 | 30.52       | 2          |          |            |          | 100      | PDI-174SC-A-08-09-200521 | +1262,1268          |    |       |     |  |
|   | 0080028-DUPI | QC  | 08/03/20 12:17 | 30.47       | 2          |          | A0E0670-26 |          | 100      |                          |                     |    |       |     |  |
|   | A0E0670-27   | A 8082 PCBs - Low Level (15g/1mL) - Development | 08/03/20 12:17 | 30.51       | 2          |          |            |          | 100      | PDI-174SC-A-09-10-200521 | +1262,1268          |    |       |     |  |
|   | 0080028-MS1  | QC  | 08/03/20 12:17 | 30.53       | 2          | A20G333  | A0E0670-27 | 100      | 100      |                          |                     |    |       |     |  |

**Standards/Reagents**


| Reagent(s) |           |                                 | Analyte Spike(s) |           |                       | Surrogate(s) |           |                          |
|------------|-----------|---------------------------------|------------------|-----------|-----------------------|--------------|-----------|--------------------------|
| Std ID     | Exp. Date | Description                     | Std ID           | Exp. Date | Description           | Std ID       | Exp. Date | Description              |
| A13L219    | 11/30/23  | Extractions Balance             | A20G333          | 01/23/21  | 8082 PCB Matrix Spike | A20G334      | 01/23/21  | 8082 PCB Surrogate Spike |
| A20B017    | 02/01/21  | Glass Wool                      |                  |           |                       |              |           |                          |
| A20E097    | 11/07/20  | Florisil Lot 028010-CQ          |                  |           |                       |              |           |                          |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476     |                  |           |                       |              |           |                          |
| A20F071    | 03/02/25  | Copper, Granular Lot# 027040-BL |                  |           |                       |              |           |                          |
| A20G009    | 12/28/20  | n-Hexane Lot# 200528            |                  |           |                       |              |           |                          |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US         |                  |           |                       |              |           |                          |
| A20G266    | 01/13/21  | Sulfuric Acid                   |                  |           |                       |              |           |                          |

Method 3546 digestion time and temperature achieved.

Initial:

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

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

  
 Reviewed By: \_\_\_\_\_ Date 8/5/2020



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

BATCH #: **0080028 (Sediment)**

Prep Method: EPA 3546

| #     | Lab Number   | Analysis                          | Prepared       | Initial (g) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments | pH |     |
|-------|--------------|-----------------------------------|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|---------------------|----|-----|
|       |              |                                   |                |             |            |          |            |          |          |                          |                     | <2 | >11 |
| 1/2   | 0080028-BLK1 | QC                                | 08/03/20 12:17 | 30 31       | 2          |          |            |          | 100      | 200 <del>6/2/20</del>    |                     |    |     |
| 3/4   | 0080028-BS1  | QC                                | 08/03/20 12:17 | 30          | 2          | A20G333  |            | 100      | 100      |                          |                     |    |     |
| 5/6   | A0E0670-26   | A 8082 PCBs - Low Level (30g/2mL) | 08/03/20 12:17 | 30 30.52    | 2          |          |            |          | 100      | PDI-174SC-A-08-09-200521 | +1262,1268<br>dirt  |    |     |
| 7/8   | 0080028-DUP1 | QC                                | 08/03/20 12:17 | 30 30.47    | 2          |          | A0E0670-26 |          | 100      |                          |                     |    |     |
| 9/10  | A0E0670-27   | A 8082 PCBs - Low Level (30g/2mL) | 08/03/20 12:17 | 30 30.51    | 2          |          |            |          | 100      | PDI-174SC-A-09-10-200521 | +1262,1268<br>dirt  |    |     |
| 11/12 | 0080028-MS1  | QC                                | 08/03/20 12:17 | 30 30.53    | 2          | A20G333  | A0E0670-27 | 100      | 100      |                          |                     |    |     |

**Standards/Reagents**

| Reagent(s) |           |                                 | Analyte Spike(s) |           |                       | Surrogate(s) |           |                          |
|------------|-----------|---------------------------------|------------------|-----------|-----------------------|--------------|-----------|--------------------------|
| Std ID     | Exp. Date | Description                     | Std ID           | Exp. Date | Description           | Std ID       | Exp. Date | Description              |
| A13L219    | 11/30/23  | Extractions Balance             | A20G333          | 01/23/21  | 8082 PCB Matrix Spike | A20G334      | 01/23/21  | 8082 PCB Surrogate Spike |
| A20B017    | 02/01/21  | Glass Wool                      |                  |           |                       |              |           |                          |
| A20E097    | 11/07/20  | Florisil Lot 028010-CQ          |                  |           |                       |              |           |                          |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476     |                  |           |                       |              |           |                          |
| A20F071    | 03/02/25  | Copper, Granular Lot# 027040-BL |                  |           |                       |              |           |                          |
| A20G009    | 12/28/20  | n-Hexane Lot# 200528            |                  |           |                       |              |           |                          |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US         |                  |           |                       |              |           |                          |
| A20G266    | 01/13/21  | Sulfuric Acid                   |                  |           |                       |              |           |                          |

Method 3546 digestion time and temperture achieved.

Initial: *Cault*

Witness: *car 08032020*

*Cault*  
Prepared By:  
*CAS*

*8/3/20*  
Date

*SLC* *08/03/2020*  
Reviewed By: Date

*08/03/2020 (Cleanup)*





ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0H05027

Instrument: DUALECD2F

Date: 08/05/20 06:22

Calibration: A0G2702

| #  | Lab Number   | Matrix   | Analysis                            | Client          | Due      | Batch   | ISTD ID | STD ID  |
|----|--------------|----------|-------------------------------------|-----------------|----------|---------|---------|---------|
| 1  | 0H05027-CCV1 | Sediment | QC                                  | QC              |          |         |         | A20G105 |
| 2  | 0H05027-CCB1 | Sediment | QC                                  | QC              |          |         |         | A20G257 |
| 3  | 0080028-BLK1 | Sediment | QC                                  | QC              |          | 0080028 |         |         |
| 4  | 0080028-BS1  | Sediment | QC                                  | QC              |          | 0080028 |         |         |
| 5  | A0E0670-26   | Sediment | 8082 PCBs - Low Level (15g/1mL) - D | Anchor QEA, LLC | 08/05/20 | 0080028 |         |         |
| 6  | 0H05027-IBL1 | Sediment | QC                                  | QC              |          |         |         |         |
| 7  | 0080028-DUP1 | Sediment | QC                                  | QC              |          | 0080028 |         |         |
| 8  | 0H05027-IBL2 | Sediment | QC                                  | QC              |          |         |         |         |
| 9  | A0E0670-27   | Sediment | 8082 PCBs - Low Level (15g/1mL) - D | Anchor QEA, LLC | 08/05/20 | 0080028 |         |         |
| 10 | 0H05027-IBL3 | Sediment | QC                                  | QC              |          |         |         |         |
| 11 | 0080028-MS1  | Sediment | QC                                  | QC              |          | 0080028 |         |         |
| 12 | 0H05027-IBL4 | Sediment | QC                                  | QC              |          |         |         |         |
| 13 | 0H05027-CCV2 | Sediment | QC                                  | QC              |          |         |         | A20G105 |
| 14 | 0H05027-CCB2 | Sediment | QC                                  | QC              |          |         |         | A20G257 |

Data Entered By/Date: KAK 8/5/2020

Comments:

Data Reviewed By/Date: dgj 8/5/20

8/5/2020 12:43:07PM

## 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.

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**0H05027-CCV1**

### Aroclor 1016

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1)        | 478.52             |
| 1016 (2)        | 492.30             |
| 1016 (3)        | 508.48             |
| 1016 (4)        | 515.24             |
| 1016 (5)        | 499.73             |
| 1016 (6)        | 511.20             |
| <b>Average:</b> | <b>500.91</b>      |

### Aroclor 1260

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1)        | 506.39             |
| 1260 (2)        | 484.09             |
| 1260 (3)        | 515.88             |
| 1260 (4)        | 519.44             |
| 1260 (5)        | 517.52             |
| 1260 (6)        | 498.29             |
| <b>Average:</b> | <b>506.94</b>      |

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**0080028-BS1**

### Aroclor 1016

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1)        | 830.31             |
| 1016 (2)        | 860.79             |
| 1016 (3)        | 855.85             |
| 1016 (4)        | 884.53             |
| 1016 (5)        | 888.91             |
| 1016 (6)        | 870.48             |
| <b>Average:</b> | <b>865.15</b>      |

### Aroclor 1260

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1)        | 952.65             |
| 1260 (2)        | 968.56             |
| 1260 (3)        | 998.57             |
| 1260 (4)        | 1,058.31           |
| 1260 (5)        | 1,099.76           |
| 1260 (6)        | 1,044.04           |
| <b>Average:</b> | <b>1,020.32</b>    |

## 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.

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**0080028-MS1**

### Aroclor 1016

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1)        | 620.30             |
| 1016 (2)        | 713.91             |
| 1016 (3)        | 662.85             |
| 1016 (4)        | 694.92             |
| 1016 (5)        | 691.45             |
| 1016 (6)        | 728.01             |
| <b>Average:</b> | <b>685.24</b>      |

### Aroclor 1260

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1)        | 879.89             |
| 1260 (2)        | 912.01             |
| 1260 (3)        | 949.57             |
| 1260 (4)        | 1,022.21           |
| 1260 (5)        | 983.61             |
| 1260 (6)        | 925.95             |
| <b>Average:</b> | <b>945.54</b>      |

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**0H05027-CCV2**

### Aroclor 1016

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1)        | 499.25             |
| 1016 (2)        | 492.42             |
| 1016 (3)        | 517.12             |
| 1016 (4)        | 505.35             |
| 1016 (5)        | 503.25             |
| 1016 (6)        | 514.31             |
| <b>Average:</b> | <b>505.28</b>      |

### Aroclor 1260

| <u>Peak</u>     | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1)        | 521.02             |
| 1260 (2)        | 522.92             |
| 1260 (3)        | 538.38             |
| 1260 (4)        | 530.96             |
| 1260 (5)        | 539.92             |
| 1260 (6)        | 502.39             |
| <b>Average:</b> | <b>525.93</b>      |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F002.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:10 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.843 | 34477775 | 265.137 ng/ml  |
| 64) S DCBP (S)              | 9.624 | 39426135 | 277.402 ng/ml  |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.760 | 2249927  | 478.521 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.172 | 5109392  | 492.297 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.254 | 2687995  | 508.483 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.412 | 2139404  | 515.239 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.635 | 2567891  | 499.729 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.761 | 1922173  | 511.199 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.198 | 815576   | 469.181 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.318 | 296129   | 266.210 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.399 | 1369527  | 378.289 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.870 | 265658   | 453.562 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.172 | 5109392  | 7294.645 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.399 | 1369527  | 451.699 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.172 | 5109392  | 1299.458 ng/ml |
| 17) Aroclor 1232 (3)        | 6.254 | 2687995  | 1231.973 ng/ml |
| 18) Aroclor 1232 (4)        | 6.412 | 2139404  | 1658.972 ng/ml |
| 19) Aroclor 1232 (5)        | 6.635 | 2567891  | 1404.443 ng/ml |
| 20) Aroclor 1232 (6)        | 6.761 | 1922173  | 1249.797 ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.760 | 2249927  | 642.245 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.172 | 5109392  | 681.009 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.254 | 2687995  | 676.251 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.412 | 2139404  | 817.966 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.635 | 2567891  | 685.286 ng/ml  |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F002.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:10 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6)   | 6.761 | 1922173  | 586.534  | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 29) | Aroclor 1248 (1)   | 6.172 | 5109392  | 1104.966 | ng/ml |
| 30) | Aroclor 1248 (2)   | 6.412 | 2139404  | 426.598  | ng/ml |
| 31) | Aroclor 1248 (3)   | 6.635 | 2567891  | 420.243  | ng/ml |
| 32) | Aroclor 1248 (4)   | 6.928 | 491607   | 67.096   | ng/ml |
| 33) | Aroclor 1248 (5)   | 6.963 | 1707475  | 216.770  | ng/ml |
| 34) | Aroclor 1248 (6)   | 7.451 | 3752708  | 954.153  | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 36) | Aroclor 1254 (1)   | 6.963 | 1707475  | 241.917  | ng/ml |
| 37) | Aroclor 1254 (2)   | 7.073 | 1816655  | 212.814  | ng/ml |
| 38) | Aroclor 1254 (3)   | 7.451 | 3752708  | 276.909  | ng/ml |
| 39) | Aroclor 1254 (4)   | 7.610 | 558095   | 60.281   | ng/ml |
| 40) | Aroclor 1254 (5)   | 7.991 | 5271117  | 570.904  | ng/ml |
| 41) | Aroclor 1254 (6)   | 8.284 | 617442   | 205.556  | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.563 | 5073029  | 506.388  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.695 | 6194508  | 484.092  | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.254 | 5072116  | 515.879  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.423 | 12324310 | 519.436  | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.723 | 8079991  | 517.525  | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.118 | 3236783  | 498.286  | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 50) | Aroclor 1262 (1)   | 7.695 | 6194508  | 682.825  | ng/ml |
| 51) | Aroclor 1262 (2)   | 8.021 | 4874079  | 382.669  | ng/ml |
| 52) | Aroclor 1262 (3)   | 8.254 | 5072116  | 455.742  | ng/ml |
| 53) | Aroclor 1262 (4)   | 8.423 | 12324310 | 515.795  | ng/ml |
| 54) | Aroclor 1262 (5)   | 8.723 | 8079991  | 557.904  | ng/ml |
| 55) | Aroclor 1262 (6)   | 9.118 | 3236783  | 423.882  | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 57) | Aroclor 1268 (1)   | 8.254 | 5072116  | 888.972  | ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F002.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:10 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.672 | 2698354  | 97.256 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.723 | 8079991  | 343.122 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.899 | 269453   | 12.507 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.118 | 3236783  | 383.479 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.382 | 796452   | 12.357 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

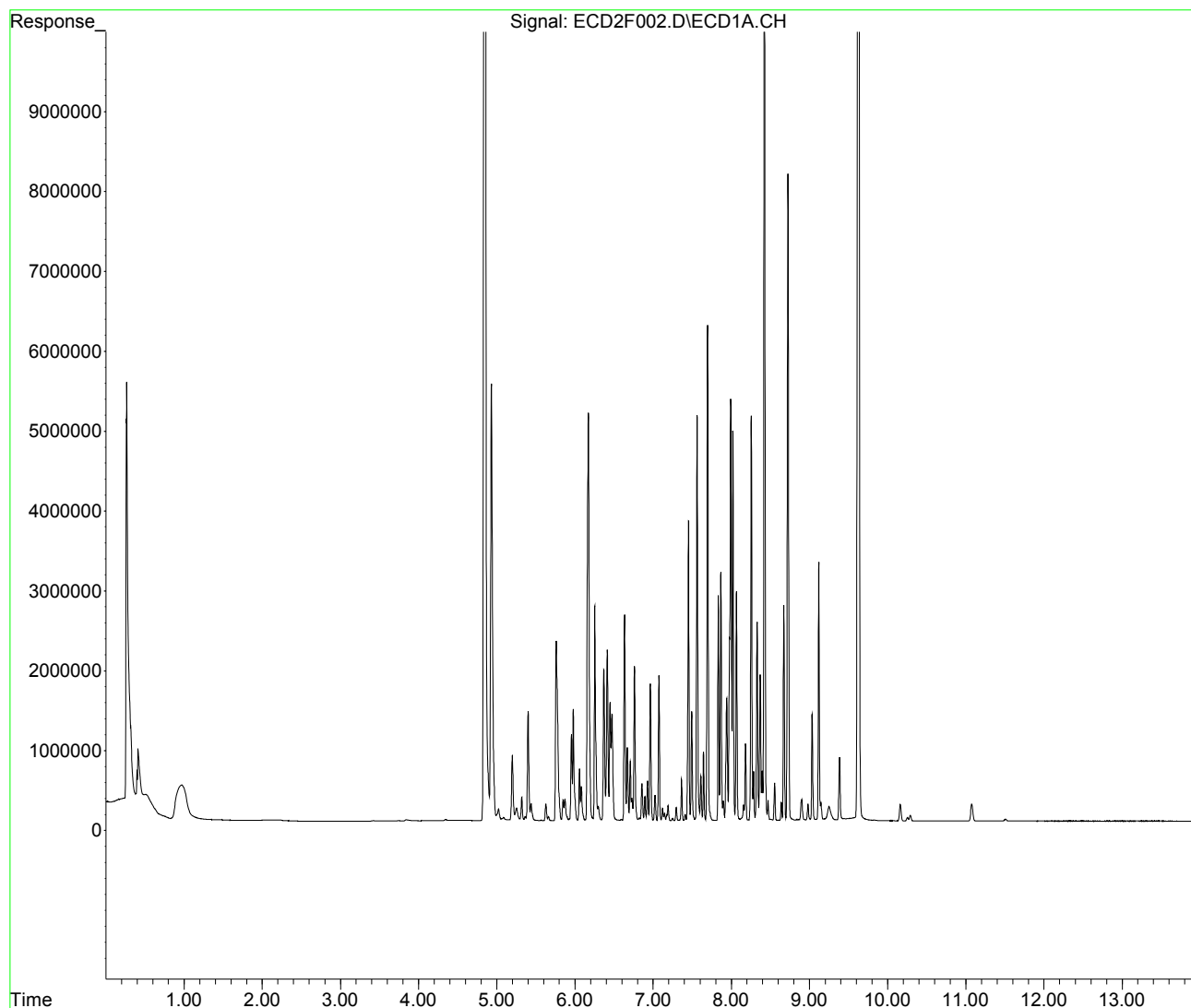
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F002.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 7:10 am  
Operator : MJB / KAK  
Sample : 0H05027-CCV1  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:38:18 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:27 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

*KAK 8/5/2020*

Clean

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:35 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.842 | 12399228 | 95.351 ng/ml  |
| 64) S DCBP (S)              | 9.622 | 14749929 | 103.781 ng/ml |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.761 | 388      | 0.082 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.176 | 5837     | 0.562 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.269 | 3792     | 0.717 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.422 | 2199     | 0.530 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.642 | 2930     | 0.570 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.766 | 2674     | 0.711 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 248412   | 142.905 ng/ml |
| 10) Aroclor 1221 (2)        | 5.358 | 3074     | 2.763 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.409 | 2463     | 0.680 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.871 | 1671     | 2.853 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.176 | 5837     | 8.334 ng/ml   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.409 | 2463     | 0.812 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.176 | 5837     | 1.485 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.269 | 3792     | 1.738 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.422 | 2199     | 1.705 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.642 | 2930     | 1.602 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.766 | 2674     | 1.739 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.761 | 388      | 0.111 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.176 | 5837     | 0.778 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.269 | 3792     | 0.954 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.422 | 2199     | 0.841 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.642 | 2930     | 0.782 ng/ml   |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:27 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:35 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.766 | 2674     | 0.816 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.176 | 5837     | 1.262 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.422 | 2199     | 0.438 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.642 | 2930     | 0.479 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.936 | 644      | 0.088 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.968 | 1508     | 0.191 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.452 | 6193     | 1.574 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.968 | 1508     | 0.214 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.076 | 3781     | 0.443 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.452 | 6193     | 0.457 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.610 | 3660     | 0.395 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.994 | 9541     | 1.033 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.281 | 5706     | 1.900 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.566 | 6202     | 0.619 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.696 | 9628     | 0.752 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.253 | 8641     | 0.879 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.422 | 18149    | 0.765 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.724 | 10471    | 0.671 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.116 | 9930     | 1.529 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.696 | 9628     | 1.061 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.022 | 7437     | 0.584 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.253 | 8641     | 0.776 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.422 | 18149    | 0.760 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.724 | 10471    | 0.723 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.116 | 9930     | 1.300 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.253 | 8641     | 1.514 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:27 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:35 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2)   | 8.671 | 6088     | 0.219 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.724 | 10471    | 0.445 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.903 | 51875    | 2.408 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.116 | 9930     | 1.176 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.383 | 46342    | 0.719 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml  |

(f)=RT Delta > 1/2 Window

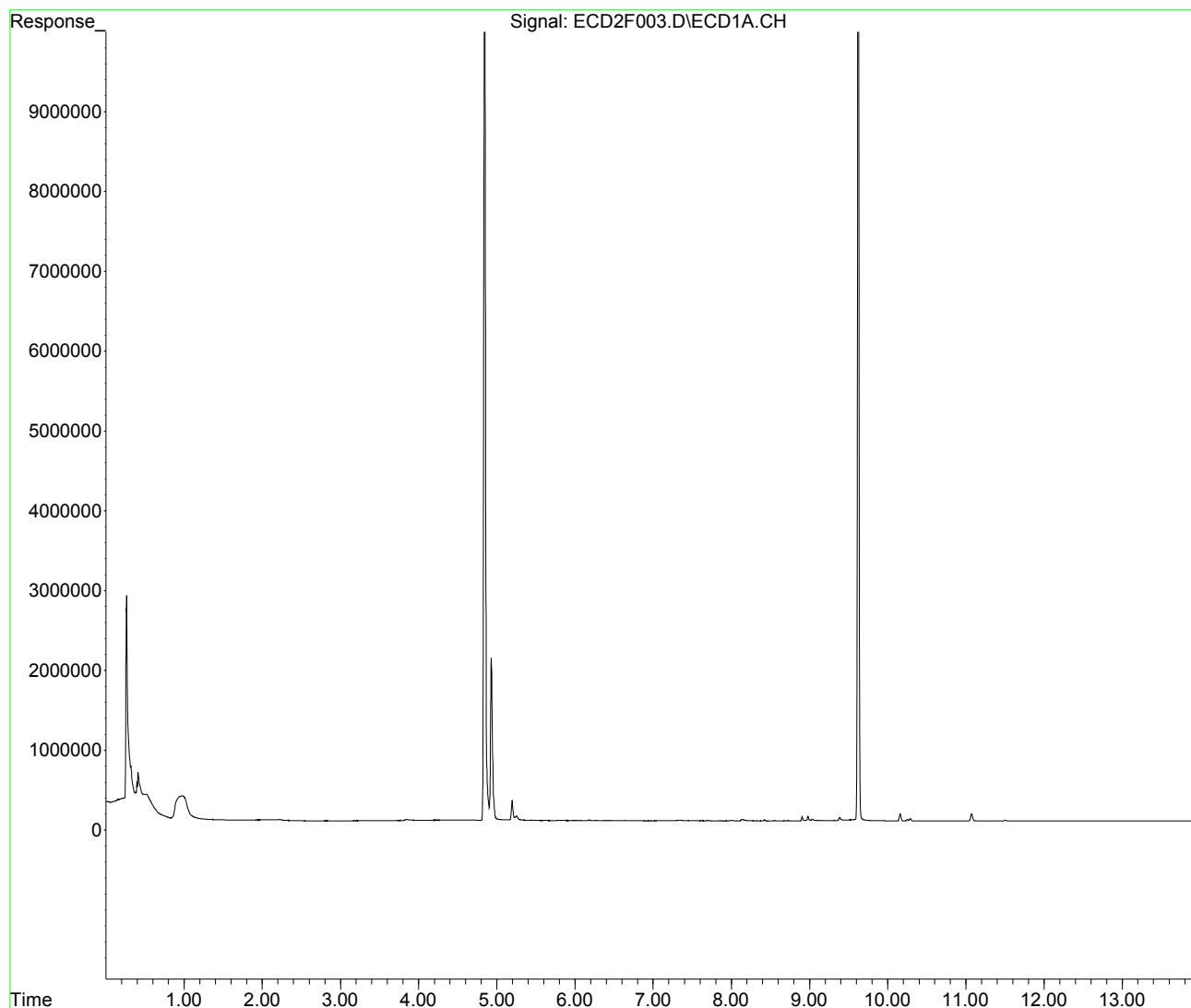
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F003.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 7:27 am  
Operator : MJB / KAK  
Sample : 0H05027-CCB1  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:38:35 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:45 am  
 Operator : MJB / KAK  
 Sample : 0080028-BLK1  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

*KAK 8/5/2020*

Clean

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.843 | 55119610 | 423.875 ng/ml |
| 64) S DCBP (S)              | 9.621 | 71126792 | 500.448 ng/ml |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.754 | 2813     | 0.598 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.173 | 5837     | 0.562 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.245 | 2656     | 0.502 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.412 | 3058     | 0.736 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.636 | 2470     | 0.481 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.761 | 2949     | 0.784 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 992750   | 571.105 ng/ml |
| 10) Aroclor 1221 (2)        | 5.352 | 7529     | 6.768 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.386 | 12279    | 3.392 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.872 | 2904     | 4.958 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.173 | 5837     | 8.334 ng/ml   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.386 | 12279    | 4.050 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.173 | 5837     | 1.485 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.245 | 2656     | 1.217 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.412 | 3058     | 2.371 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.636 | 2470     | 1.351 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.761 | 2949     | 1.917 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.754 | 2813     | 0.803 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.173 | 5837     | 0.778 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.245 | 2656     | 0.668 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.412 | 3058     | 1.169 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.636 | 2470     | 0.659 ng/ml   |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:45 am  
 Operator : MJB / KAK  
 Sample : 0080028-BLK1  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.761 | 2949     | 0.900 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.173 | 5837     | 1.262 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.412 | 3058     | 0.610 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.636 | 2470     | 0.404 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.925 | 840      | 0.115 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.964 | 2167     | 0.275 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.450 | 7872     | 2.002 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.964 | 2167     | 0.307 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.073 | 4264     | 0.500 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.450 | 7872     | 0.581 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.619 | 1530     | 0.165 ng/ml |
| 40) | Aroclor 1254 (5)   | 8.000 | 15088    | 1.634 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.284 | 1595     | 0.531 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.562 | 8328     | 0.831 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.694 | 10704    | 0.836 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.251 | 8233     | 0.837 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.419 | 25176    | 1.061 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.722 | 14218    | 0.911 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.111 | 20618    | 3.174 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.694 | 10704    | 1.180 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.018 | 8009     | 0.629 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.251 | 8233     | 0.740 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.419 | 25176    | 1.054 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.722 | 14218    | 0.982 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.111 | 20618    | 2.700 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.251 | 8233     | 1.443 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 7:45 am  
 Operator : MJB / KAK  
 Sample : 0080028-BLK1  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:38:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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   |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2)   | 8.670 | 11756    | 0.424 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.722 | 14218    | 0.604 ng/ml  |
| 60) | Aroclor 1268 (4)   | 8.899 | 932960   | 43.306 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.111 | 20618    | 2.443 ng/ml  |
| 62) | Aroclor 1268 (6)   | 9.379 | 2213712  | 34.346 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml   |

(f)=RT Delta > 1/2 Window

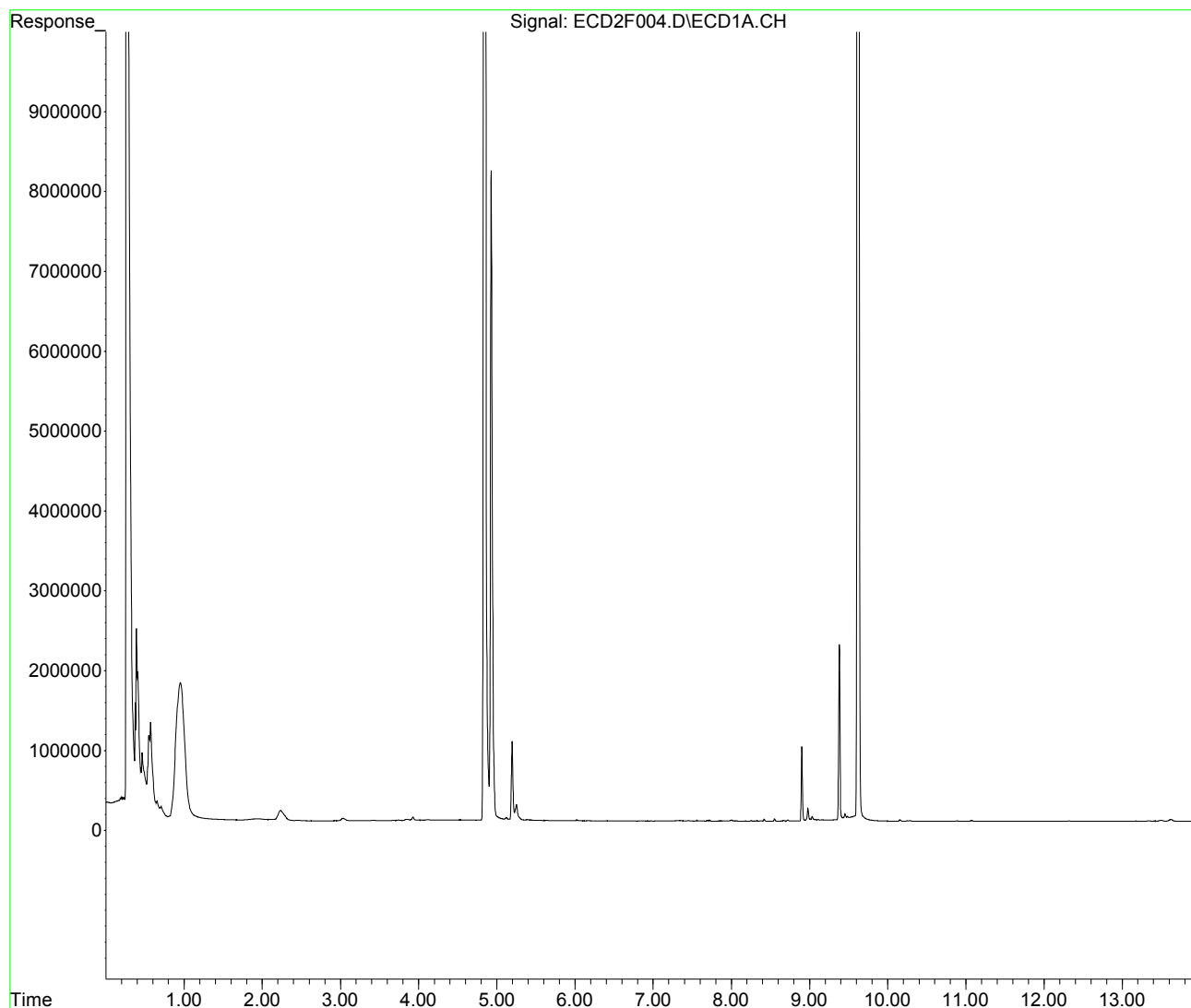
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F004.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 7:45 am  
Operator : MJB / KAK  
Sample : 0080028-BLK1  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:38:51 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:03 am  
 Operator : MJB / KAK  
 Sample : 0080028-BS1  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:05 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.843 | 25597945 | 196.850 ng/ml   |
| 64) S DCBP (S)              | 9.621 | 35774472 | 251.709 ng/ml   |
| Target Compounds            |       |          |                 |
| 2) Aroclor 1016 (1)         | 5.758 | 3903983  | 830.310 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.172 | 8933835  | 860.787 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.254 | 4524258  | 855.845 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.412 | 3672789  | 884.528 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.634 | 4567708  | 888.906 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.759 | 3273126  | 870.482 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml      |
| 9) Aroclor 1221 (1)         | 5.198 | 884297   | 508.715 ng/ml   |
| 10) Aroclor 1221 (2)        | 5.318 | 479141   | 430.731 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.399 | 2304203  | 636.463 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.869 | 413335   | 705.693 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.172 | 8933835  | 12754.778 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml      |
| 15) Aroclor 1232 (1)        | 5.399 | 2304203  | 759.975 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.172 | 8933835  | 2272.119 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.254 | 4524258  | 2073.576 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.412 | 3672789  | 2848.015 ng/ml  |
| 19) Aroclor 1232 (5)        | 6.634 | 4567708  | 2498.193 ng/ml  |
| 20) Aroclor 1232 (6)        | 6.759 | 3273126  | 2128.188 ng/ml  |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml      |
| 22) Aroclor 1242 (1)        | 5.758 | 3903983  | 1114.399 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.172 | 8933835  | 1190.752 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.254 | 4524258  | 1138.222 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.412 | 3672789  | 1404.230 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.634 | 4567708  | 1218.971 ng/ml  |





Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:03 am  
 Operator : MJB / KAK  
 Sample : 0080028-BS1  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:05 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6)   | 6.759 | 3273126  | 998.765  | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 29) | Aroclor 1248 (1)   | 6.172 | 8933835  | 1932.047 | ng/ml |
| 30) | Aroclor 1248 (2)   | 6.412 | 3672789  | 732.356  | ng/ml |
| 31) | Aroclor 1248 (3)   | 6.634 | 4567708  | 747.518  | ng/ml |
| 32) | Aroclor 1248 (4)   | 6.927 | 901248   | 123.005  | ng/ml |
| 33) | Aroclor 1248 (5)   | 6.962 | 3206104  | 407.026  | ng/ml |
| 34) | Aroclor 1248 (6)   | 7.450 | 7210607  | 1833.348 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 36) | Aroclor 1254 (1)   | 6.962 | 3206104  | 454.244  | ng/ml |
| 37) | Aroclor 1254 (2)   | 7.072 | 3393061  | 397.484  | ng/ml |
| 38) | Aroclor 1254 (3)   | 7.450 | 7210607  | 532.064  | ng/ml |
| 39) | Aroclor 1254 (4)   | 7.608 | 1083649  | 117.048  | ng/ml |
| 40) | Aroclor 1254 (5)   | 7.990 | 10192565 | 1103.936 | ng/ml |
| 41) | Aroclor 1254 (6)   | 8.282 | 1121989  | 373.527  | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.562 | 9543661  | 952.645  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.695 | 12393877 | 968.564  | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.253 | 9817913  | 998.568  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.423 | 25109866 | 1058.313 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.722 | 17170359 | 1099.765 | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.116 | 6781926  | 1044.042 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 50) | Aroclor 1262 (1)   | 7.695 | 12393877 | 1366.187 | ng/ml |
| 51) | Aroclor 1262 (2)   | 8.019 | 9248349  | 726.097  | ng/ml |
| 52) | Aroclor 1262 (3)   | 8.253 | 9817913  | 882.163  | ng/ml |
| 53) | Aroclor 1262 (4)   | 8.423 | 25109866 | 1050.894 | ng/ml |
| 54) | Aroclor 1262 (5)   | 8.722 | 17170359 | 1185.572 | ng/ml |
| 55) | Aroclor 1262 (6)   | 9.116 | 6781926  | 888.145  | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 57) | Aroclor 1268 (1)   | 8.253 | 9817913  | 1720.752 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:03 am  
 Operator : MJB / KAK  
 Sample : 0080028-BS1  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:05 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.671 | 5578304  | 201.057 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.722 | 17170359 | 729.150 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.900 | 856230   | 39.744 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.116 | 6781926  | 803.492 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.380 | 2656150  | 41.211 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

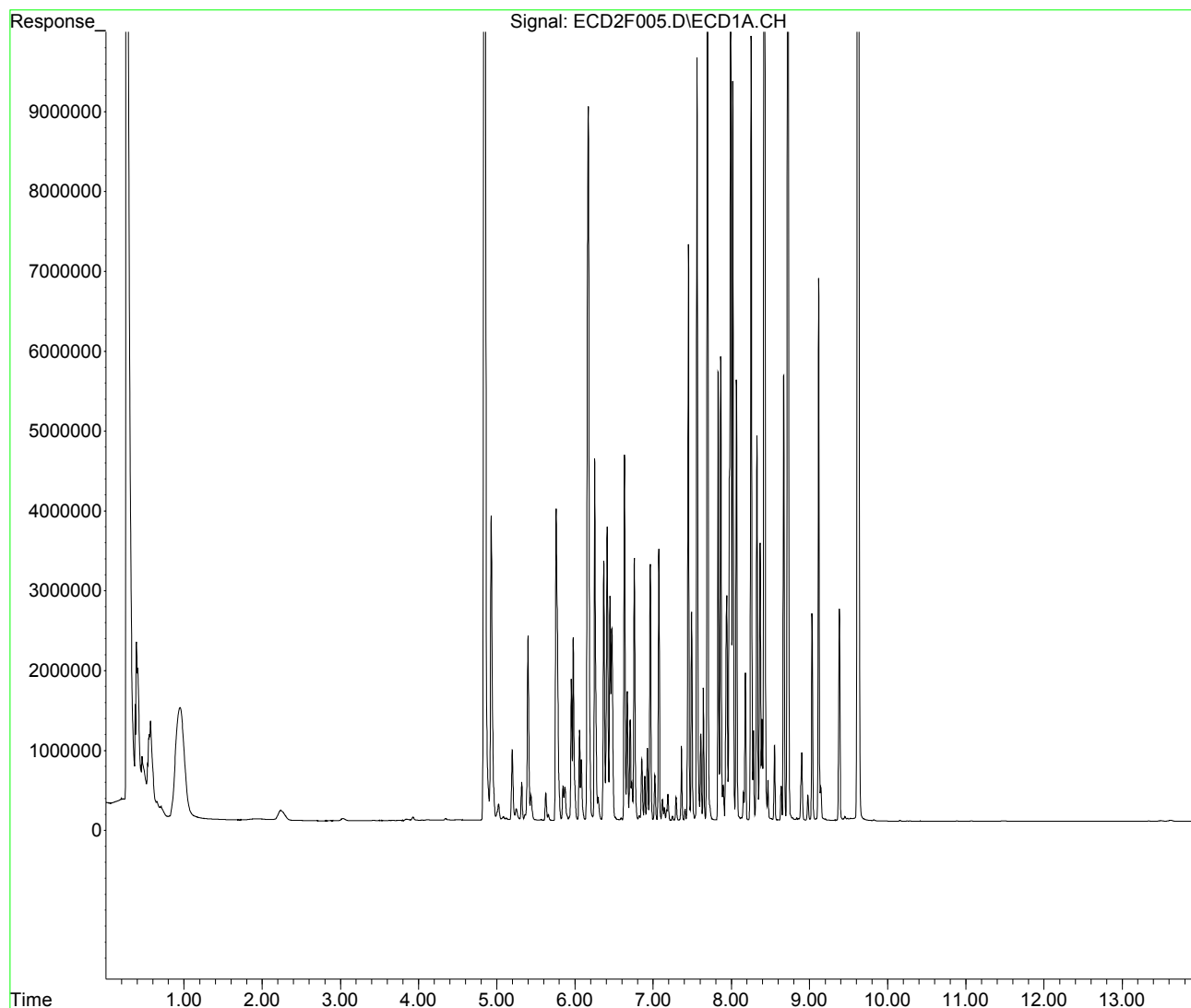
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F005.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 8:03 am  
Operator : MJB / KAK  
Sample : 0080028-BS1  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:39:05 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:20 am  
 Operator : MJB / KAK  
 Sample : A0E0670-26  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:19 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.843 | 23225814 | 178.609 ng/ml |
| 64) S DCBP (S)              | 9.621 | 34824833 | 245.028 ng/ml |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.760 | 6686     | 1.422 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.173 | 15590    | 1.502 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.268 | 9974     | 1.887 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.424 | 7103     | 1.711 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.640 | 9654     | 1.879 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.766 | 9424     | 2.506 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 452644   | 260.395 ng/ml |
| 10) Aroclor 1221 (2)        | 5.352 | 6964     | 6.261 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.386 | 10879    | 3.005 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.886 | 5983     | 10.215 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.173 | 15590    | 22.257 ng/ml  |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.386 | 10879    | 3.588 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.185 | 14563    | 3.704 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.268 | 9974     | 4.571 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.424 | 7103     | 5.508 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.640 | 9654     | 5.280 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.766 | 9424     | 6.128 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.760 | 6686     | 1.909 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.185 | 14563    | 1.941 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.268 | 9974     | 2.509 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.424 | 7103     | 2.716 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.640 | 9654     | 2.576 ng/ml   |

Quantitation Report      (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020      8:20 am  
 Operator : MJB / KAK  
 Sample : A0E0670-26  
 Misc :  
 ALS Vial : 6      Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:19 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.766 | 9424     | 2.876 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.173 | 15590    | 3.371 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.424 | 7103     | 1.416 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.640 | 9654     | 1.580 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.929 | 6993     | 0.954 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.963 | 10385    | 1.318 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.449 | 18121    | 4.607 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.963 | 10385    | 1.471 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.073 | 14324    | 1.678 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.449 | 18121    | 1.337 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.608 | 10101    | 1.091 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.992 | 20717    | 2.244 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.281 | 6487     | 2.160 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.562 | 19768    | 1.973 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.695 | 25090    | 1.961 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.251 | 16341    | 1.662 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.421 | 35284    | 1.487 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.721 | 24754    | 1.586 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.116 | 18315    | 2.819 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.695 | 25090    | 2.766 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.019 | 16403    | 1.288 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.251 | 16341    | 1.468 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.421 | 35284    | 1.477 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.721 | 24754    | 1.709 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.116 | 18315    | 2.398 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.251 | 16341    | 2.864 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:20 am  
 Operator : MJB / KAK  
 Sample : A0E0670-26  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:19 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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   |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2)   | 8.670 | 14916    | 0.538 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.721 | 24754    | 1.051 ng/ml  |
| 60) | Aroclor 1268 (4)   | 8.900 | 495438   | 22.997 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.116 | 18315    | 2.170 ng/ml  |
| 62) | Aroclor 1268 (6)   | 9.379 | 1175610  | 18.240 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml   |

(f)=RT Delta > 1/2 Window

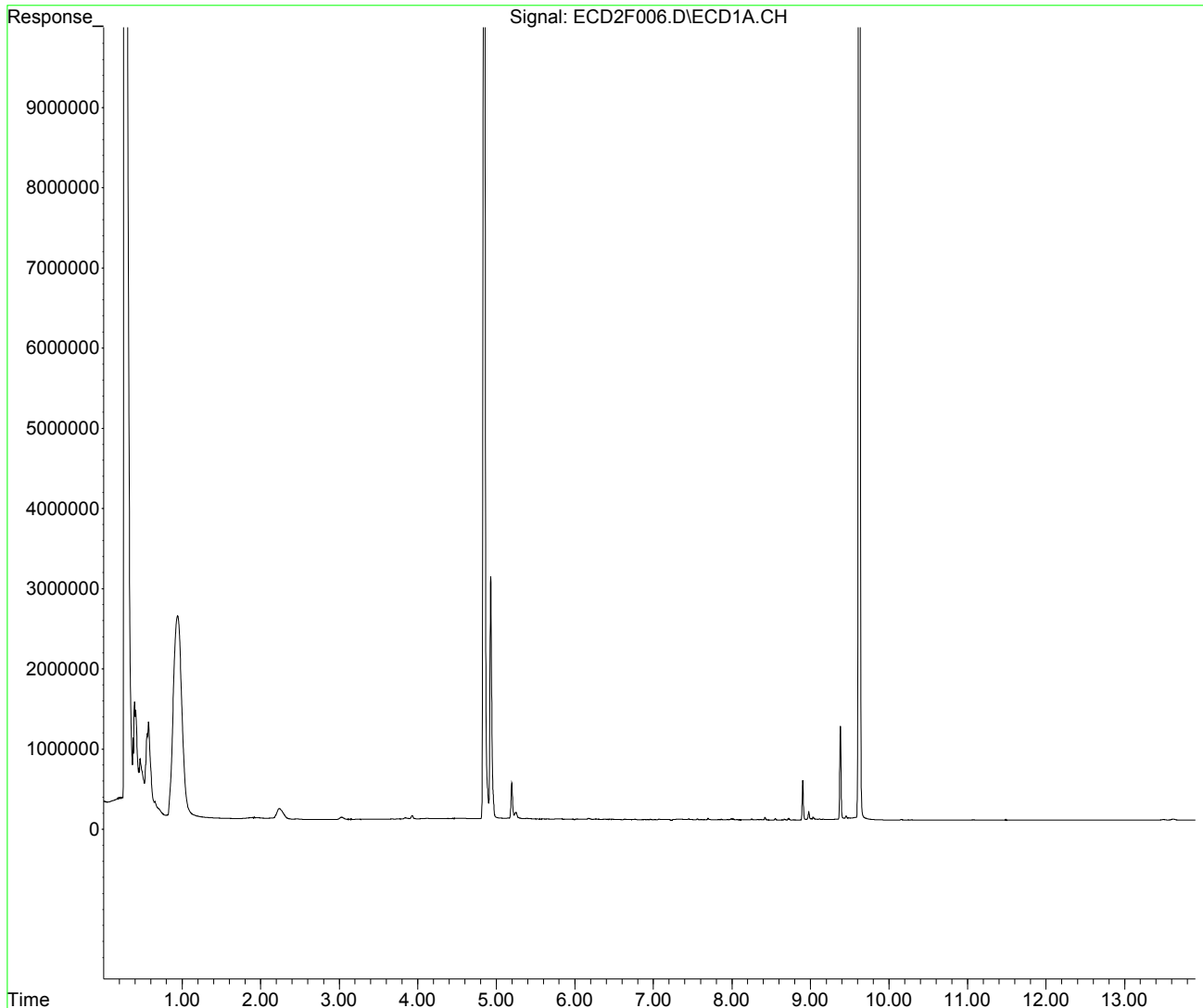
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F006.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 8:20 am  
Operator : MJB / KAK  
Sample : A0E0670-26  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:39:19 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:55 am  
 Operator : MJB / KAK  
 Sample : 0080028-DUP1  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.842 | 21067100 | 162.008 ng/ml |
| 64) S DCBP (S)              | 9.620 | 32029203 | 225.358 ng/ml |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.770 | 7210     | 1.534 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.172 | 9824     | 0.947 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.256 | 5192     | 0.982 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.395 | 5939     | 1.430 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.638 | 5971     | 1.162 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.764 | 6204     | 1.650 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 419575   | 241.371 ng/ml |
| 10) Aroclor 1221 (2)        | 5.337 | 7574     | 6.809 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.406 | 10167    | 2.808 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.881 | 7625     | 13.018 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.172 | 9824     | 14.025 ng/ml  |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.406 | 10167    | 3.353 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.172 | 9824     | 2.498 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.256 | 5192     | 2.379 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.395 | 5939     | 4.606 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.638 | 5971     | 3.266 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.764 | 6204     | 4.034 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.770 | 7210     | 2.058 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.172 | 9824     | 1.309 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.256 | 5192     | 1.306 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.395 | 5939     | 2.271 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.638 | 5971     | 1.593 ng/ml   |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:55 am  
 Operator : MJB / KAK  
 Sample : 0080028-DUP1  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.764 | 6204     | 1.893 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.172 | 9824     | 2.124 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.395 | 5939     | 1.184 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.638 | 5971     | 0.977 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.925 | 6313     | 0.862 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.964 | 8327     | 1.057 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.445 | 13728    | 3.491 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.964 | 8327     | 1.180 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.071 | 11693    | 1.370 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.445 | 13728    | 1.013 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.606 | 9625     | 1.040 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.998 | 12704    | 1.376 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.282 | 6067     | 2.020 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.563 | 11603    | 1.158 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.695 | 12789    | 0.999 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.250 | 8519     | 0.866 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.419 | 16142    | 0.680 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.721 | 12608    | 0.808 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.112 | 14037    | 2.161 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.695 | 12789    | 1.410 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.018 | 8761     | 0.688 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.250 | 8519     | 0.765 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.419 | 16142    | 0.676 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.721 | 12608    | 0.871 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.112 | 14037    | 1.838 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.250 | 8519     | 1.493 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 8:55 am  
 Operator : MJB / KAK  
 Sample : 0080028-DUP1  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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   |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2)   | 8.669 | 10571    | 0.381 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.721 | 12608    | 0.535 ng/ml  |
| 60) | Aroclor 1268 (4)   | 8.900 | 461070   | 21.402 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.112 | 14037    | 1.663 ng/ml  |
| 62) | Aroclor 1268 (6)   | 9.378 | 1057748  | 16.411 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml   |

(f)=RT Delta > 1/2 Window

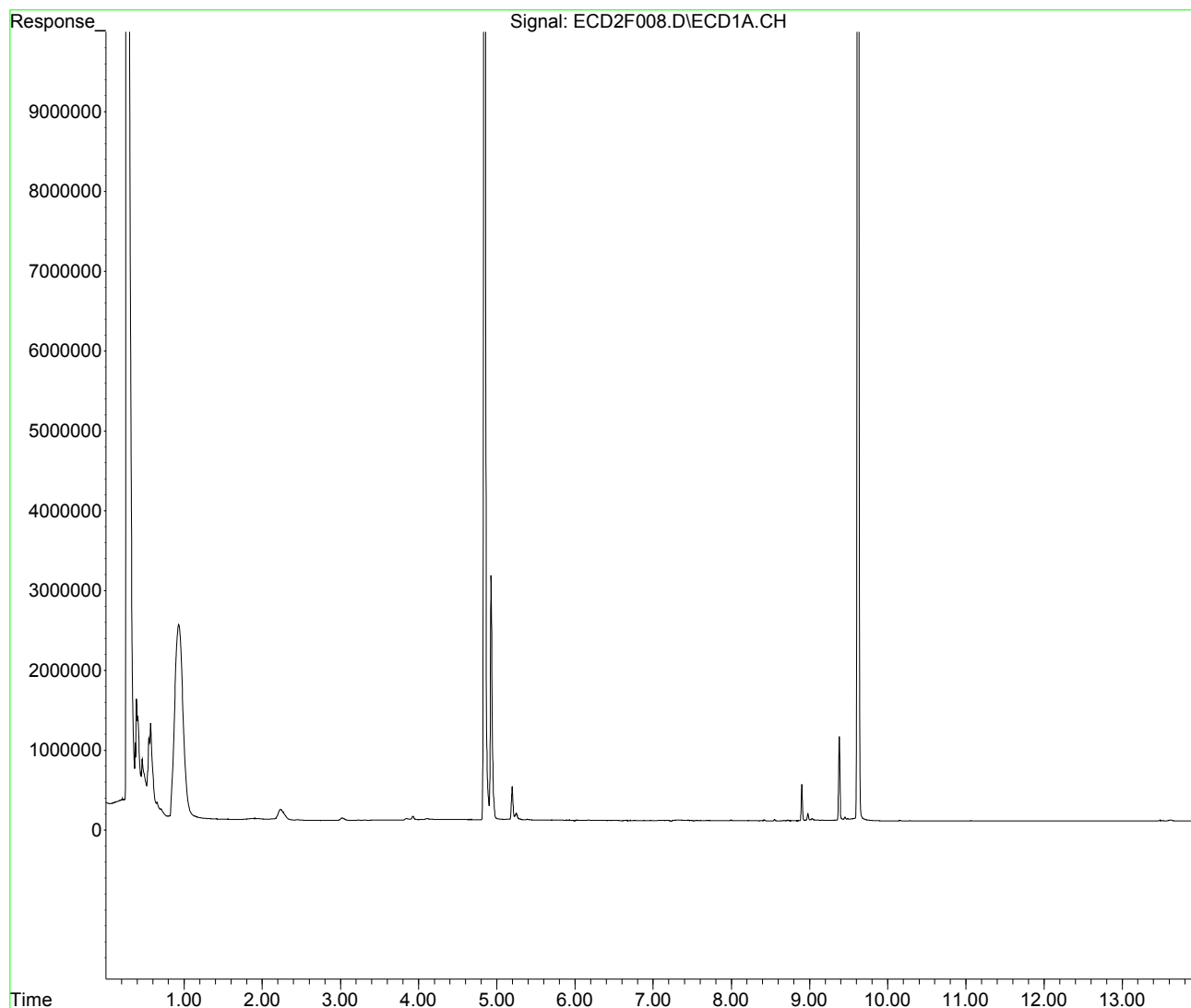
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F008.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 8:55 am  
Operator : MJB / KAK  
Sample : 0080028-DUP1  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:39:34 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 9:31 am  
 Operator : MJB / KAK  
 Sample : A0E0670-27  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.843 | 24505863 | 188.452 ng/ml |
| 64) S DCBP (S)              | 9.620 | 33954774 | 238.906 ng/ml |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.774 | 5018     | 1.067 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.172 | 8877     | 0.855 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.241 | 4314     | 0.816 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.427 | 4552     | 1.096 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.632 | 6112     | 1.189 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.761 | 6492     | 1.726 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 494016   | 284.195 ng/ml |
| 10) Aroclor 1221 (2)        | 5.340 | 5556     | 4.995 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.386 | 14291    | 3.947 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.881 | 4331     | 7.395 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.172 | 8877     | 12.673 ng/ml  |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.386 | 14291    | 4.714 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.172 | 8877     | 2.258 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.241 | 4314     | 1.977 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.427 | 4552     | 3.530 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.632 | 6112     | 3.343 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.761 | 6492     | 4.221 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.774 | 5018     | 1.432 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.172 | 8877     | 1.183 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.241 | 4314     | 1.085 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.427 | 4552     | 1.741 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.632 | 6112     | 1.631 ng/ml   |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 9:31 am  
 Operator : MJB / KAK  
 Sample : A0E0670-27  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.761 | 6492     | 1.981 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.172 | 8877     | 1.920 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.427 | 4552     | 0.908 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.632 | 6112     | 1.000 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.922 | 6164     | 0.841 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.964 | 7191     | 0.913 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.449 | 11403    | 2.899 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.964 | 7191     | 1.019 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.076 | 9779     | 1.146 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.449 | 11403    | 0.841 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.605 | 8922     | 0.964 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.998 | 11773    | 1.275 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.282 | 5318     | 1.770 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.562 | 10591    | 1.057 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.694 | 10887    | 0.851 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.249 | 8146     | 0.829 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.418 | 14132    | 0.596 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.720 | 11708    | 0.750 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.110 | 14259    | 2.195 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.694 | 10887    | 1.200 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.018 | 7716     | 0.606 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.249 | 8146     | 0.732 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.418 | 14132    | 0.591 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.720 | 11708    | 0.808 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.110 | 14259    | 1.867 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.249 | 8146     | 1.428 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 9:31 am  
 Operator : MJB / KAK  
 Sample : A0E0670-27  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:39:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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   |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2)   | 8.669 | 10504    | 0.379 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.720 | 11708    | 0.497 ng/ml  |
| 60) | Aroclor 1268 (4)   | 8.900 | 467484   | 21.699 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.110 | 14259    | 1.689 ng/ml  |
| 62) | Aroclor 1268 (6)   | 9.379 | 1122500  | 17.416 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml   |

(f)=RT Delta > 1/2 Window

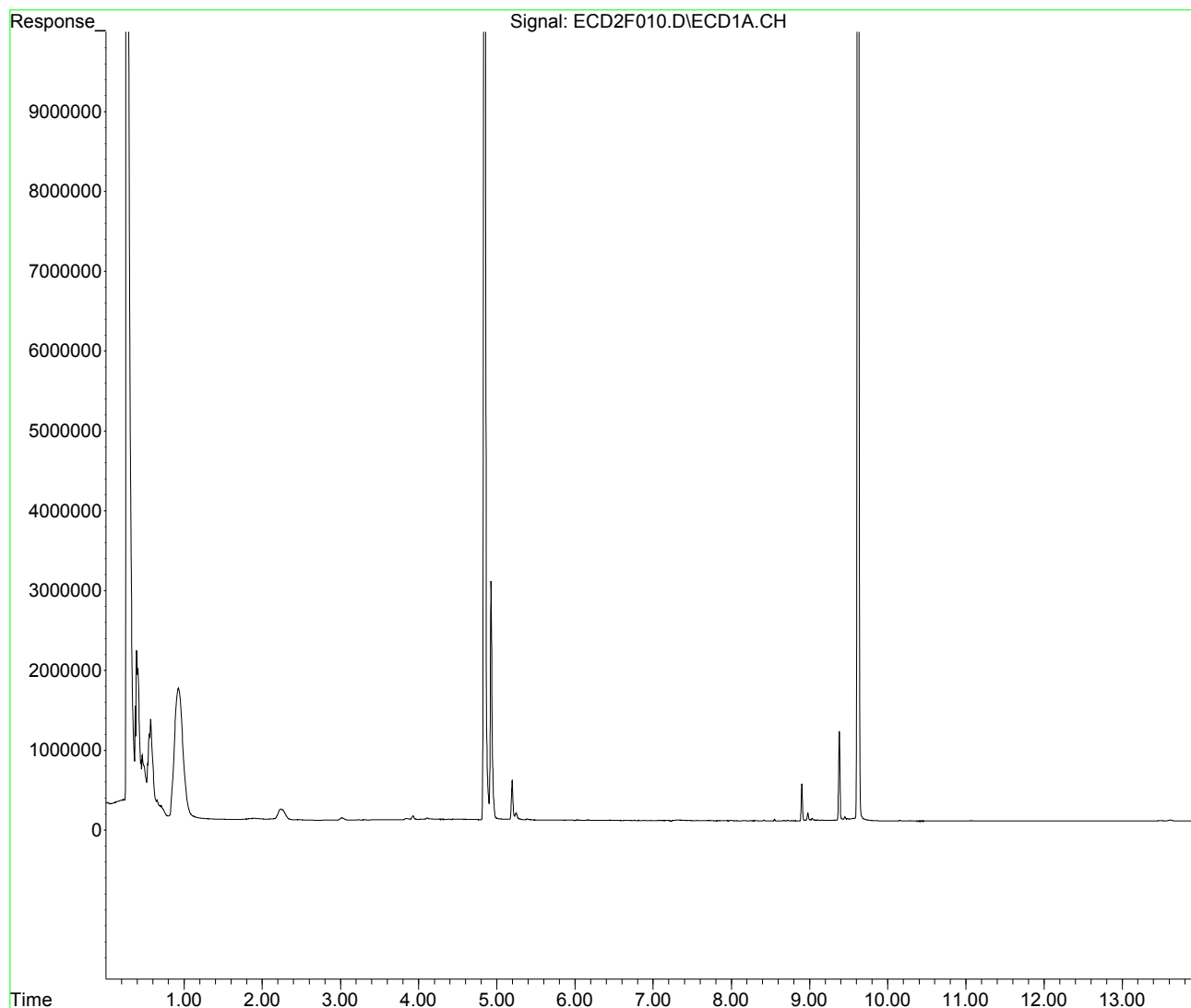
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F010.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 9:31 am  
Operator : MJB / KAK  
Sample : A0E0670-27  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:39:49 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:06 am  
 Operator : MJB / KAK  
 Sample : 0080028-MS1  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:04 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 17618676 | 135.489 ng/ml   |
| 64) S DCBP (S)              | 9.620 | 32281420 | 227.132 ng/ml   |
| Target Compounds            |       |          |                 |
| 2) Aroclor 1016 (1)         | 5.757 | 2916559  | 620.302 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.171 | 7409412  | 713.907 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.252 | 3504045  | 662.854 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.410 | 2885479  | 694.918 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.632 | 3553060  | 691.449 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.759 | 2737421  | 728.013 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml      |
| 9) Aroclor 1221 (1)         | 5.196 | 628565   | 361.598 ng/ml   |
| 10) Aroclor 1221 (2)        | 5.316 | 350649   | 315.222 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.397 | 1735086  | 479.263 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.868 | 317424   | 541.943 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.171 | 7409412  | 10578.369 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml      |
| 15) Aroclor 1232 (1)        | 5.397 | 1735086  | 572.268 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.171 | 7409412  | 1884.416 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.252 | 3504045  | 1605.988 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.410 | 2885479  | 2237.506 ng/ml  |
| 19) Aroclor 1232 (5)        | 6.632 | 3553060  | 1943.257 ng/ml  |
| 20) Aroclor 1232 (6)        | 6.759 | 2737421  | 1779.872 ng/ml  |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml      |
| 22) Aroclor 1242 (1)        | 5.757 | 2916559  | 832.537 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.171 | 7409412  | 987.568 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.252 | 3504045  | 881.555 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.410 | 2885479  | 1103.215 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.632 | 3553060  | 948.195 ng/ml   |





Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:06 am  
 Operator : MJB / KAK  
 Sample : 0080028-MS1  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:04 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6)   | 6.759 | 2737421  | 835.300  | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 29) | Aroclor 1248 (1)   | 6.171 | 7409412  | 1602.373 | ng/ml |
| 30) | Aroclor 1248 (2)   | 6.410 | 2885479  | 575.366  | ng/ml |
| 31) | Aroclor 1248 (3)   | 6.632 | 3553060  | 581.468  | ng/ml |
| 32) | Aroclor 1248 (4)   | 6.926 | 758530   | 103.527  | ng/ml |
| 33) | Aroclor 1248 (5)   | 6.961 | 2652404  | 336.732  | ng/ml |
| 34) | Aroclor 1248 (6)   | 7.449 | 6267758  | 1593.622 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 36) | Aroclor 1254 (1)   | 6.961 | 2652404  | 375.795  | ng/ml |
| 37) | Aroclor 1254 (2)   | 7.071 | 2894098  | 339.033  | ng/ml |
| 38) | Aroclor 1254 (3)   | 7.449 | 6267758  | 462.492  | ng/ml |
| 39) | Aroclor 1254 (4)   | 7.608 | 1028507  | 111.092  | ng/ml |
| 40) | Aroclor 1254 (5)   | 7.990 | 9505988  | 1029.574 | ng/ml |
| 41) | Aroclor 1254 (6)   | 8.282 | 995108   | 331.286  | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.562 | 8814812  | 879.892  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.694 | 11670147 | 912.006  | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.252 | 9336209  | 949.575  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.422 | 24253178 | 1022.206 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.722 | 15356819 | 983.607  | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.115 | 6014831  | 925.952  | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 50) | Aroclor 1262 (1)   | 7.694 | 11670147 | 1286.409 | ng/ml |
| 51) | Aroclor 1262 (2)   | 8.019 | 9186436  | 721.236  | ng/ml |
| 52) | Aroclor 1262 (3)   | 8.252 | 9336209  | 838.881  | ng/ml |
| 53) | Aroclor 1262 (4)   | 8.422 | 24253178 | 1015.040 | ng/ml |
| 54) | Aroclor 1262 (5)   | 8.722 | 15356819 | 1060.351 | ng/ml |
| 55) | Aroclor 1262 (6)   | 9.115 | 6014831  | 787.688  | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 57) | Aroclor 1268 (1)   | 8.252 | 9336209  | 1636.326 | ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:06 am  
 Operator : MJB / KAK  
 Sample : 0080028-MS1  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:04 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.669 | 5185470  | 186.898 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.722 | 15356819 | 652.137 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.899 | 740602   | 34.377 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.115 | 6014831  | 712.610 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.378 | 2461663  | 38.193 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

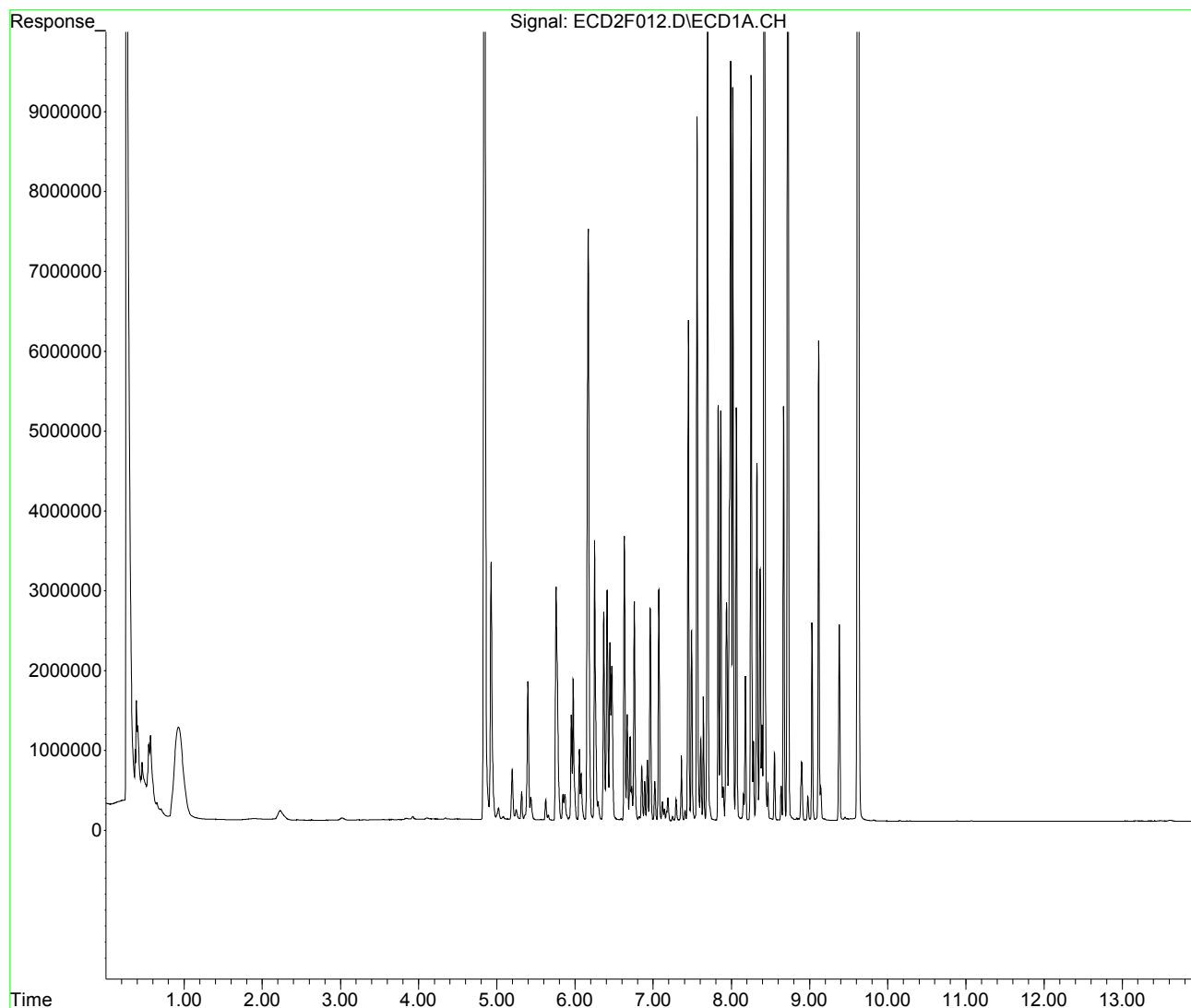
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F012.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 10:06 am  
Operator : MJB / KAK  
Sample : 0080028-MS1  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:40:04 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:42 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV2  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

*KAK 8/5/2020*

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:20 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.842 | 35143253 | 270.255 ng/ml  |
| 64) S DCBP (S)              | 9.621 | 41464111 | 291.742 ng/ml  |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.758 | 2347411  | 499.254 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.171 | 5110675  | 492.420 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.253 | 2733643  | 517.118 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.410 | 2098347  | 505.351 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.633 | 2586000  | 503.253 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.759 | 1933878  | 514.312 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.196 | 833963   | 479.759 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.317 | 295787   | 265.903 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.398 | 1371371  | 378.798 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.869 | 260134   | 444.131 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.171 | 5110675  | 7296.477 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.398 | 1371371  | 452.308 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.171 | 5110675  | 1299.784 ng/ml |
| 17) Aroclor 1232 (3)        | 6.253 | 2733643  | 1252.894 ng/ml |
| 18) Aroclor 1232 (4)        | 6.410 | 2098347  | 1627.135 ng/ml |
| 19) Aroclor 1232 (5)        | 6.633 | 2586000  | 1414.348 ng/ml |
| 20) Aroclor 1232 (6)        | 6.759 | 1933878  | 1257.408 ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.758 | 2347411  | 670.072 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.171 | 5110675  | 681.180 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.253 | 2733643  | 687.735 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.410 | 2098347  | 802.268 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.633 | 2586000  | 690.118 ng/ml  |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:42 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV2  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:20 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6)   | 6.759 | 1933878  | 590.106  | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 29) | Aroclor 1248 (1)   | 6.171 | 5110675  | 1105.244 | ng/ml |
| 30) | Aroclor 1248 (2)   | 6.410 | 2098347  | 418.411  | ng/ml |
| 31) | Aroclor 1248 (3)   | 6.633 | 2586000  | 423.206  | ng/ml |
| 32) | Aroclor 1248 (4)   | 6.926 | 499889   | 68.226   | ng/ml |
| 33) | Aroclor 1248 (5)   | 6.961 | 1708491  | 216.899  | ng/ml |
| 34) | Aroclor 1248 (6)   | 7.449 | 3962096  | 1007.391 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 36) | Aroclor 1254 (1)   | 6.961 | 1708491  | 242.061  | ng/ml |
| 37) | Aroclor 1254 (2)   | 7.071 | 1872219  | 219.323  | ng/ml |
| 38) | Aroclor 1254 (3)   | 7.449 | 3962096  | 292.360  | ng/ml |
| 39) | Aroclor 1254 (4)   | 7.608 | 567225   | 61.267   | ng/ml |
| 40) | Aroclor 1254 (5)   | 7.989 | 5164038  | 559.306  | ng/ml |
| 41) | Aroclor 1254 (6)   | 8.282 | 607597   | 202.278  | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.561 | 5219629  | 521.022  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.694 | 6691302  | 522.916  | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.252 | 5293370  | 538.382  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.422 | 12597624 | 530.956  | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.722 | 8429592  | 539.917  | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.116 | 3263415  | 502.386  | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 50) | Aroclor 1262 (1)   | 7.694 | 6691302  | 737.587  | ng/ml |
| 51) | Aroclor 1262 (2)   | 8.020 | 5182239  | 406.863  | ng/ml |
| 52) | Aroclor 1262 (3)   | 8.252 | 5293370  | 475.622  | ng/ml |
| 53) | Aroclor 1262 (4)   | 8.422 | 12597624 | 527.234  | ng/ml |
| 54) | Aroclor 1262 (5)   | 8.722 | 8429592  | 582.043  | ng/ml |
| 55) | Aroclor 1262 (6)   | 9.116 | 3263415  | 427.369  | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 57) | Aroclor 1268 (1)   | 8.252 | 5293370  | 927.751  | ng/ml |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:42 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCV2  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:20 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.670 | 2783920  | 100.340 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.722 | 8429592  | 357.968 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.897 | 277391   | 12.876 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.116 | 3263415  | 386.635 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.379 | 852133   | 13.221 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

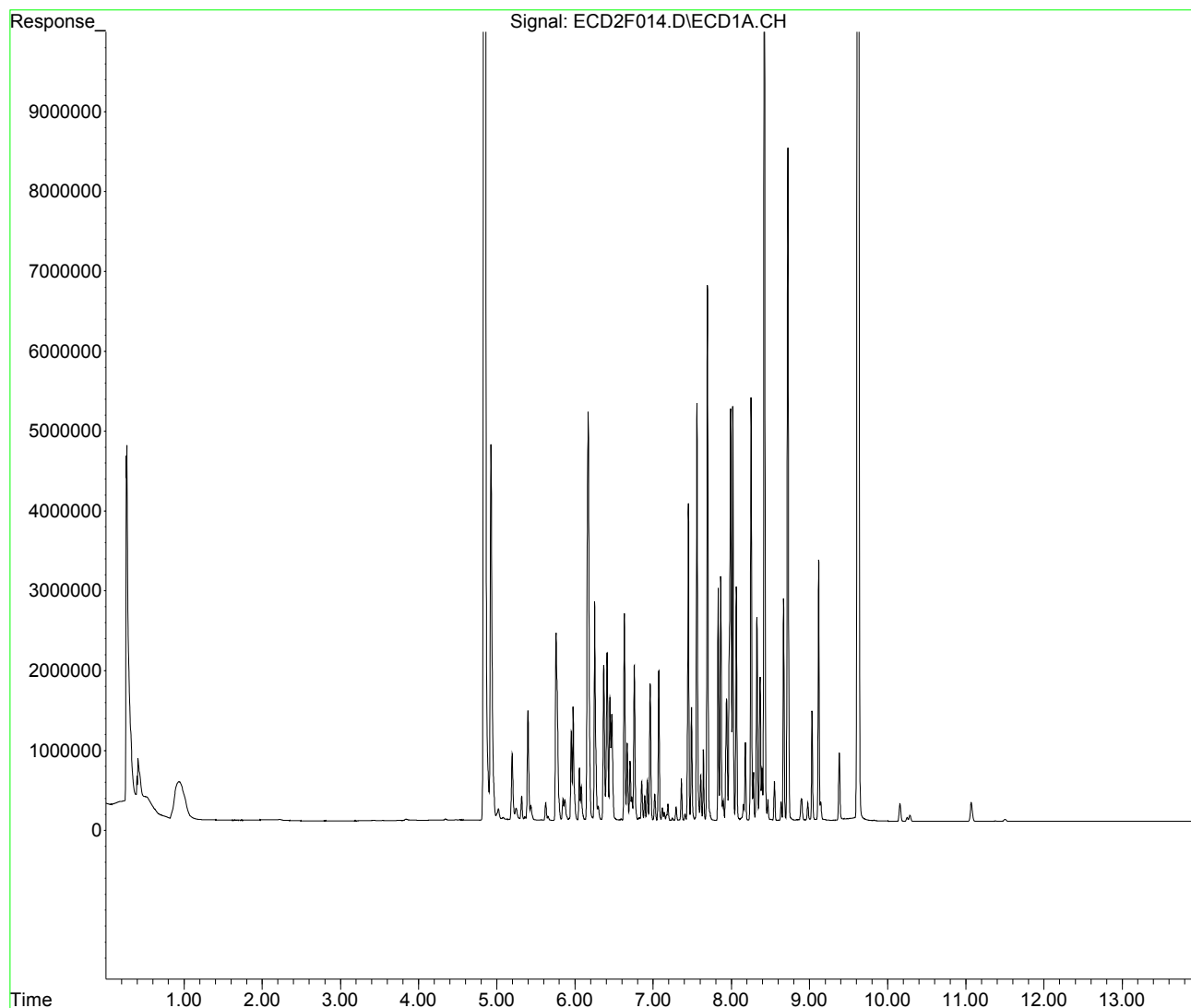
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F014.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 10:42 am  
Operator : MJB / KAK  
Sample : 0H05027-CCV2  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:40:20 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0H05027\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:59 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

*KAK 8/5/2020*

Clean

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:36 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.841 | 11778045 | 90.574 ng/ml  |
| 64) S DCBP (S)              | 9.620 | 14180700 | 99.775 ng/ml  |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.761 | 361      | 0.077 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.187 | 6284     | 0.605 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.267 | 3710     | 0.702 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.421 | 2595     | 0.625 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.641 | 3390     | 0.660 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.766 | 2775     | 0.738 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.196 | 239123   | 137.562 ng/ml |
| 10) Aroclor 1221 (2)        | 5.343 | 3431     | 3.084 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.409 | 2395     | 0.661 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.869 | 1599     | 2.730 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.187 | 6284     | 8.971 ng/ml   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.403 | 2534     | 0.836 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.187 | 6284     | 1.598 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.267 | 3710     | 1.700 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.421 | 2595     | 2.012 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.641 | 3390     | 1.854 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.766 | 2775     | 1.804 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.761 | 361      | 0.103 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.187 | 6284     | 0.838 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.267 | 3710     | 0.933 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.421 | 2595     | 0.992 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.641 | 3390     | 0.905 ng/ml   |



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:59 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:36 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.766 | 2775     | 0.847 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.187 | 6284     | 1.359 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.421 | 2595     | 0.517 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.641 | 3390     | 0.555 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.930 | 699      | 0.095 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.965 | 1508     | 0.191 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.448 | 6343     | 1.613 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.965 | 1508     | 0.214 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.074 | 4024     | 0.471 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.448 | 6343     | 0.468 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.608 | 3210     | 0.347 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.991 | 9687     | 1.049 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.285 | 5246     | 1.747 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.563 | 6556     | 0.654 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.696 | 10053    | 0.786 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.253 | 8503     | 0.865 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.420 | 18453    | 0.778 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.722 | 10246    | 0.656 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.113 | 9147     | 1.408 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.696 | 10053    | 1.108 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.019 | 7412     | 0.582 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.253 | 8503     | 0.764 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.420 | 18453    | 0.772 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.722 | 10246    | 0.707 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.113 | 9147     | 1.198 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.253 | 8503     | 1.490 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 05 Aug 2020 10:59 am  
 Operator : MJB / KAK  
 Sample : 0H05027-CCB2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Aug 05 11:40:36 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2)   | 8.670 | 5825     | 0.210 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.722 | 10246    | 0.435 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.900 | 54728    | 2.540 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.113 | 9147     | 1.084 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.380 | 46911    | 0.728 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml  |

(f)=RT Delta > 1/2 Window

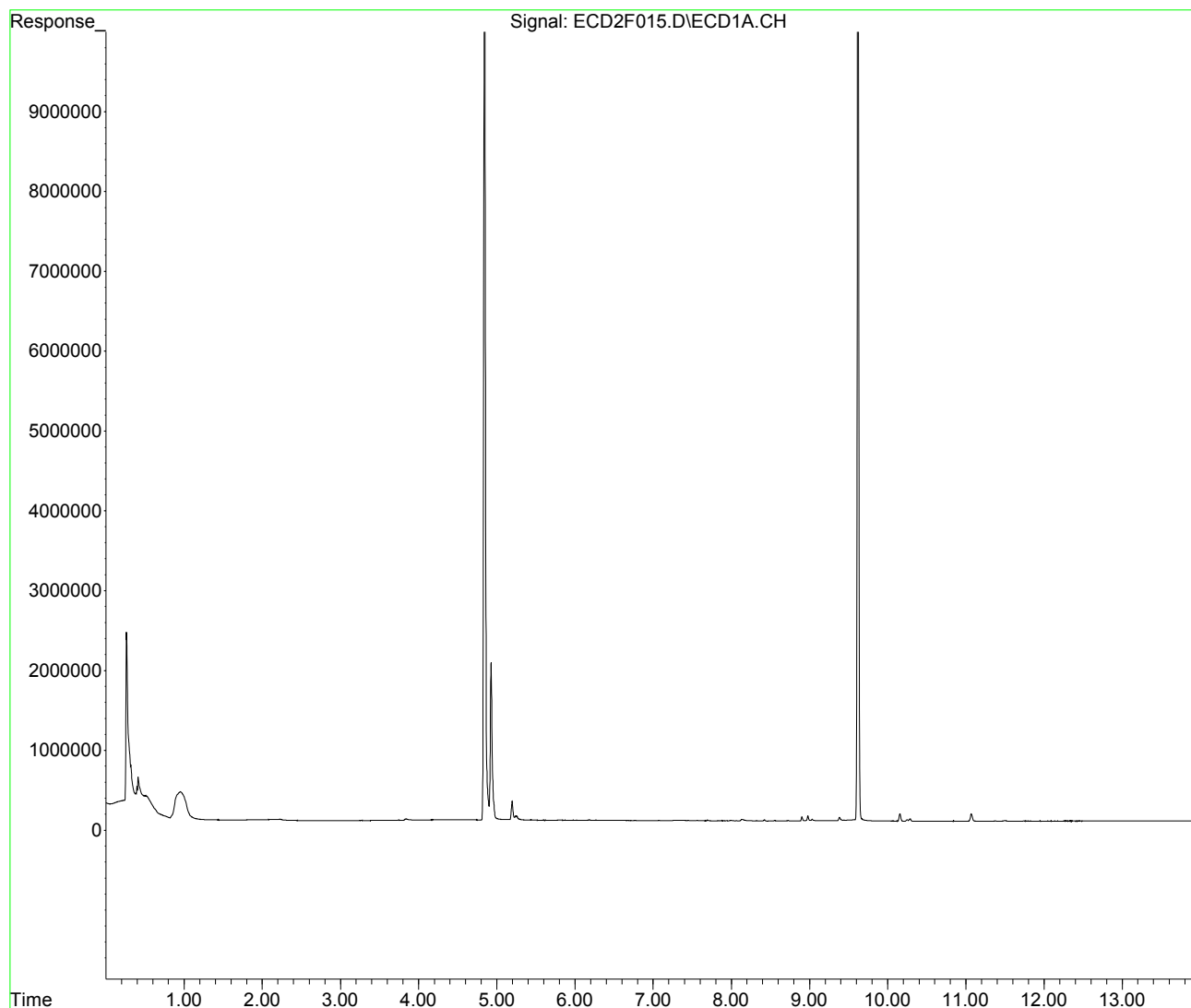
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0H05027\  
Data File : ECD2F015.D  
Signal(s) : ECD1A.CH  
Acq On : 05 Aug 2020 10:59 am  
Operator : MJB / KAK  
Sample : 0H05027-CCB2  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Aug 05 11:40:36 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724RT2.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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



**Polychlorinated Biphenyls by EPA 8082A  
Calibration Data**

Sequence 0G24014 (Cal ID A0G2702) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0G24014  
Date: 07/24/20 06:24

Instrument: DUALECD2F  
Calibration: A0G2702

| #  | Lab Number   | Matrix | Analysis | Client | Due | Batch | ISTD.ID | STD.ID  |
|----|--------------|--------|----------|--------|-----|-------|---------|---------|
| 1  | 0G24014-ICB1 | Water  | QC       | QC     |     |       |         | A20G257 |
| 2  | 0G24014-CAL1 | Water  | QC       | QC     |     |       |         | A20F180 |
| 3  | 0G24014-CAL2 | Water  | QC       | QC     |     |       |         | A20F181 |
| 4  | 0G24014-CAL3 | Water  | QC       | QC     |     |       |         | A20F183 |
| 5  | 0G24014-CAL4 | Water  | QC       | QC     |     |       |         | A20F184 |
| 6  | 0G24014-CAL5 | Water  | QC       | QC     |     |       |         | A20F177 |
| 7  | 0G24014-CAL6 | Water  | QC       | QC     |     |       |         | A20F178 |
| 8  | 0G24014-CAL7 | Water  | QC       | QC     |     |       |         | A20F179 |
| 9  | 0G24014-IBL1 | Water  | QC       | QC     |     |       |         |         |
| 10 | 0G24014-ICV1 | Water  | QC       | QC     |     |       |         | A20B355 |
| 11 | 0G24014-CAL8 | Water  | QC       | QC     |     |       |         | A20C117 |
| 12 | 0G24014-CAL9 | Water  | QC       | QC     |     |       |         | A20B322 |
| 13 | 0G24014-CALA | Water  | QC       | QC     |     |       |         | A20B323 |
| 14 | 0G24014-CALB | Water  | QC       | QC     |     |       |         | A20B324 |
| 15 | 0G24014-CALC | Water  | QC       | QC     |     |       |         | A20B325 |
| 16 | 0G24014-CALD | Water  | QC       | QC     |     |       |         | A20B326 |
| 17 | 0G24014-CALE | Water  | QC       | QC     |     |       |         | A20B327 |
| 18 | 0G24014-ICV2 | Water  | QC       | QC     |     |       |         | A20B353 |
| 19 | 0G24014-ICV3 | Water  | QC       | QC     |     |       |         | A20D351 |
| 20 | 0G24014-ICV4 | Water  | QC       | QC     |     |       |         | A20B354 |
| 21 | 0G24014-ICV5 | Water  | QC       | QC     |     |       |         | A20B130 |

Data Entered By/Date: KAK 7/27/2020

Comments:

Data Reviewed By/Date: MKZ 8/10/2020

7/27/2020 10:52:22AM

Calibration Status Report HP G1530A

Method Path : K:\METHODS\  
 Method File : FECD2\_QUANTPCB\_200724.M  
 Title : PCB Data Analysis  
 Last Update : Mon Jul 27 07:21:56 2020  
 Response Via : Initial Calibration

*KAK 7/27/2020*

Calibration: A0G2702

| # | ID | Conc | ISTD<br>Conc | Path\File                  |
|---|----|------|--------------|----------------------------|
| 1 | 1  | 10   | 0            | K:\DATA\0G24014\ECD2F004.D |
| 2 | 2  | 25   | 0            | K:\DATA\0G24014\ECD2F005.D |
| 3 | 3  | 50   | 0            | K:\DATA\0G24014\ECD2F006.D |
| 4 | 4  | 100  | 0            | K:\DATA\0G24014\ECD2F007.D |
| 5 | 5  | 250  | 0            | K:\DATA\0G24014\ECD2F008.D |
| 6 | 6  | 500  | 0            | K:\DATA\0G24014\ECD2F009.D |
| 7 | 7  | 800  | 0            | K:\DATA\0G24014\ECD2F010.D |

| # | ID | Update Time       | Quant Time        | Acquisition Time    |
|---|----|-------------------|-------------------|---------------------|
| 1 | 1  | Jul 27 07:20 2020 | Jul 24 14:47 2020 | 24 Jul 2020 8:00 am |
| 2 | 2  | Jul 27 07:21 2020 | Jul 24 14:48 2020 | 24 Jul 2020 8:18 am |
| 3 | 3  | Jul 27 07:21 2020 | Jul 24 14:49 2020 | 24 Jul 2020 8:35 am |
| 4 | 4  | Jul 27 07:21 2020 | Jul 24 14:50 2020 | 24 Jul 2020 8:53 am |
| 5 | 5  | Jul 27 07:21 2020 | Jul 24 14:44 2020 | 24 Jul 2020 9:11 am |
| 6 | 6  | Jul 27 07:21 2020 | Jul 24 14:51 2020 | 24 Jul 2020 9:28 am |
| 7 | 7  | Jul 27 07:21 2020 | Jul 24 14:52 2020 | 24 Jul 2020 9:46 am |

FECD2\_QUANTPCB\_200724.M Mon Jul 27 08:33:27 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\  
 Method File : FECD2\_QUANTPCB\_200724.M  
 Title : PCB Data Analysis  
 Last Update : Mon Jul 27 07:21:56 2020  
 Response Via : Initial Calibration

*KAK 7/27/2020*

Calibration Files

1 =ECD2F004.D 2 =ECD2F005.D 3 =ECD2F006.D  
 4 =ECD2F007.D 5 =ECD2F008.D 6 =ECD2F009.D

| Compound             | 1     | 2     | 3     | 4     | 5     | 6     | Avg   | %RSD     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|----------|
| 1) S TCMX (S)        | 1.203 | 1.237 | 1.284 | 1.314 | 1.269 | 1.370 | 1.300 | E5 5.91  |
| 2) Aroclor 1016 ...  | 5.763 | 5.141 | 4.781 | 4.515 | 4.306 | 4.237 | 4.702 | E3 12.32 |
| 3) Aroclor 1016 ...  | 1.137 | 1.077 | 1.040 | 1.007 | 1.000 | 1.001 | 1.038 | E4 5.01  |
| 4) Aroclor 1016 ...  | 6.287 | 5.626 | 5.354 | 5.010 | 4.990 | 4.838 | 5.286 | E3 9.88  |
| 5) Aroclor 1016 ...  | 4.921 | 4.588 | 4.345 | 3.969 | 3.779 | 3.870 | 4.152 | E3 11.56 |
| 6) Aroclor 1016 ...  | 5.884 | 5.374 | 5.128 | 5.029 | 4.904 | 4.859 | 5.139 | E3 7.44  |
| 7) Aroclor 1016 (6)  | 4.341 | 4.031 | 3.756 | 3.622 | 3.609 | 3.489 | 3.760 | E3 8.47  |
| 8) Aroclor 1016 ...  |       |       |       |       |       |       | 0.000 | -1.00    |
| 9) Aroclor 1221 (1)  |       |       |       |       | 1.738 |       | 1.738 | E3 0.00  |
| 10) Aroclor 1221 (2) |       |       |       |       | 1.112 |       | 1.112 | E3 0.00  |
| 11) Aroclor 1221 (3) |       |       |       |       | 3.620 |       | 3.620 | E3 0.00  |
| 12) Aroclor 1221 (4) |       |       |       |       | 5.857 |       | 5.857 | E2 0.00  |
| 13) Aroclor 1221 (5) |       |       |       |       | 7.004 |       | 7.004 | E2 0.00  |
| 14) Aroclor 1221 ... |       |       |       |       |       |       | 0.000 | -1.00    |
| 15) Aroclor 1232 (1) |       |       |       |       | 3.032 |       | 3.032 | E3 0.00  |
| 16) Aroclor 1232 (2) |       |       |       |       | 3.932 |       | 3.932 | E3 0.00  |
| 17) Aroclor 1232 (3) |       |       |       |       | 2.182 |       | 2.182 | E3 0.00  |
| 18) Aroclor 1232 (4) |       |       |       |       | 1.290 |       | 1.290 | E3 0.00  |
| 19) Aroclor 1232 (5) |       |       |       |       | 1.828 |       | 1.828 | E3 0.00  |
| 20) Aroclor 1232 (6) |       |       |       |       | 1.538 |       | 1.538 | E3 0.00  |
| 21) Aroclor 1232 ... |       |       |       |       |       |       | 0.000 | -1.00    |
| 22) Aroclor 1242 ... |       |       |       |       | 3.503 |       | 3.503 | E3 0.00  |
| 23) Aroclor 1242 ... |       |       |       |       | 7.503 |       | 7.503 | E3 0.00  |
| 24) Aroclor 1242 ... |       |       |       |       | 3.975 |       | 3.975 | E3 0.00  |
| 25) Aroclor 1242 ... |       |       |       |       | 2.616 |       | 2.616 | E3 0.00  |
| 26) Aroclor 1242 ... |       |       |       |       | 3.747 |       | 3.747 | E3 0.00  |
| 27) Aroclor 1242 (6) |       |       |       |       | 3.277 |       | 3.277 | E3 0.00  |
| 28) Aroclor 1242 ... |       |       |       |       |       |       | 0.000 | -1.00    |
| 29) Aroclor 1248 ... |       |       |       |       | 4.624 |       | 4.624 | E3 0.00  |
| 30) Aroclor 1248 ... |       |       |       |       | 5.015 |       | 5.015 | E3 0.00  |
| 31) Aroclor 1248 ... |       |       |       |       | 6.110 |       | 6.110 | E3 0.00  |
| 32) Aroclor 1248 ... |       |       |       |       | 7.327 |       | 7.327 | E3 0.00  |
| 33) Aroclor 1248 ... |       |       |       |       | 7.877 |       | 7.877 | E3 0.00  |
| 34) Aroclor 1248 (6) |       |       |       |       | 3.933 |       | 3.933 | E3 0.00  |
| 35) Aroclor 1248 ... |       |       |       |       |       |       | 0.000 | -1.00    |
| 36) Aroclor 1254 ... |       |       |       |       | 7.058 |       | 7.058 | E3 0.00  |
| 37) Aroclor 1254 ... |       |       |       |       | 8.536 |       | 8.536 | E3 0.00  |
| 38) Aroclor 1254 ... |       |       |       |       | 1.355 |       | 1.355 | E4 0.00  |
| 39) Aroclor 1254 ... |       |       |       |       | 9.258 |       | 9.258 | E3 0.00  |
| 40) Aroclor 1254 ... |       |       |       |       | 9.233 |       | 9.233 | E3 0.00  |
| 41) Aroclor 1254 (6) |       |       |       |       | 3.004 |       | 3.004 | E3 0.00  |
| 42) Aroclor 1254 ... |       |       |       |       |       |       | 0.000 | -1.00    |



Response Factor Report HP G1530A

Method Path : K:\METHODS\  
 Method File : FECD2\_QUANTPCB\_200724.M  
 Title : PCB Data Analysis  
 Last Update : Mon Jul 27 07:21:56 2020  
 Response Via : Initial Calibration

Calibration Files

1 =ECD2F004.D 2 =ECD2F005.D 3 =ECD2F006.D  
 4 =ECD2F007.D 5 =ECD2F008.D 6 =ECD2F009.D

| Compound |                  | 1     | 2     | 3     | 4     | 5     | 6     | Avg      | %RSD  |
|----------|------------------|-------|-------|-------|-------|-------|-------|----------|-------|
| 43)      | Aroclor 1260 ... | 1.131 | 1.090 | 0.993 | 0.980 | 0.944 | 0.947 | 1.002 E4 | 7.83  |
| 44)      | Aroclor 1260 ... | 1.413 | 1.315 | 1.287 | 1.242 | 1.226 | 1.256 | 1.280 E4 | 5.32  |
| 45)      | Aroclor 1260 (3) | 1.106 | 1.008 | 0.977 | 0.963 | 0.915 | 0.962 | 0.983 E4 | 6.20  |
| 46)      | Aroclor 1260 (4) | 2.442 | 2.392 | 2.252 | 2.344 | 2.301 | 2.457 | 2.373 E4 | 3.22  |
| 47)      | Aroclor 1260 (5) | 1.627 | 1.546 | 1.563 | 1.550 | 1.491 | 1.538 | 1.561 E4 | 2.98  |
| 48)      | Aroclor 1260 (6) | 7.543 | 6.751 | 6.432 | 6.409 | 5.948 | 6.042 | 6.496 E3 | 8.20  |
| 49)      | Aroclor 1260 ... |       |       |       |       |       |       | 0.000    | -1.00 |
| 50)      | Aroclor 1262 (1) |       |       |       |       | 9.072 |       | 9.072 E3 | 0.00  |
| 51)      | Aroclor 1262 (2) |       |       |       |       | 1.274 |       | 1.274 E4 | 0.00  |
| 52)      | Aroclor 1262 (3) |       |       |       |       | 1.113 |       | 1.113 E4 | 0.00  |
| 53)      | Aroclor 1262 (4) |       |       |       |       | 2.389 |       | 2.389 E4 | 0.00  |
| 54)      | Aroclor 1262 (5) |       |       |       |       | 1.448 |       | 1.448 E4 | 0.00  |
| 55)      | Aroclor 1262 (6) |       |       |       |       | 7.636 |       | 7.636 E3 | 0.00  |
| 56)      | Aroclor 1262 ... |       |       |       |       |       |       | 0.000    | -1.00 |
| 57)      | Aroclor 1268 (1) |       |       |       |       | 5.706 |       | 5.706 E3 | 0.00  |
| 58)      | Aroclor 1268 (2) |       |       |       |       | 2.774 |       | 2.774 E4 | 0.00  |
| 59)      | Aroclor 1268 (3) |       |       |       |       | 2.355 |       | 2.355 E4 | 0.00  |
| 60)      | Aroclor 1268 (4) |       |       |       |       | 2.154 |       | 2.154 E4 | 0.00  |
| 61)      | Aroclor 1268 (5) |       |       |       |       | 8.441 |       | 8.441 E3 | 0.00  |
| 62)      | Aroclor 1268 (6) |       |       |       |       | 6.445 |       | 6.445 E4 | 0.00  |
| 63)      | Aroclor 1268 ... |       |       |       |       |       |       | 0.000    | -1.00 |
| 64) S    | DCBP (S)         | 1.384 | 1.383 | 1.388 | 1.388 | 1.389 | 1.490 | 1.421 E5 | 4.24  |

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



## Compound List Report HP G1530A

Method Path : K:\METHODS\  
Method File : FECD2\_QUANTPCB\_200724.M  
Title : PCB Data Analysis  
Last Update : Mon Jul 27 07:21:56 2020  
Response Via : Initial Calibration

*KAK 7/27/2020*

Total Cpnds : 64

| PK# | Compound Name      | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|--------------------|--------|--------|-----|-----|----|
| 1   | S TCMX (S)         | 4.839  | 1.000  | A   | H   | L  |
| 2   | Aroclor 1016 (1)   | 5.753  | 1.000  | A   | H   | R  |
| 3   | Aroclor 1016 (2)   | 6.166  | 1.000  | A   | H   | R  |
| 4   | Aroclor 1016 (3)   | 6.247  | 1.000  | A   | H   | R  |
| 5   | Aroclor 1016 (4)   | 6.405  | 1.000  | A   | H   | R  |
| 6   | Aroclor 1016 (5)   | 6.627  | 1.000  | A   | H   | R  |
| 7   | Aroclor 1016 (6)   | 6.753  | 1.000  | A   | H   | R  |
| 8   | Aroclor 1016 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 9   | Aroclor 1221 (1)   | 5.195  | 1.000  | A   | H   | R  |
| 10  | Aroclor 1221 (2)   | 5.313  | 1.000  | A   | H   | R  |
| 11  | Aroclor 1221 (3)   | 5.394  | 1.000  | A   | H   | R  |
| 12  | Aroclor 1221 (4)   | 5.860  | 1.000  | A   | H   | R  |
| 13  | Aroclor 1221 (5)   | 6.165  | 1.000  | A   | H   | R  |
| 14  | Aroclor 1221 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 15  | Aroclor 1232 (1)   | 5.393  | 1.000  | A   | H   | R  |
| 16  | Aroclor 1232 (2)   | 6.167  | 1.000  | A   | H   | R  |
| 17  | Aroclor 1232 (3)   | 6.247  | 1.000  | A   | H   | R  |
| 18  | Aroclor 1232 (4)   | 6.405  | 1.000  | A   | H   | R  |
| 19  | Aroclor 1232 (5)   | 6.627  | 1.000  | A   | H   | R  |
| 20  | Aroclor 1232 (6)   | 6.754  | 1.000  | A   | H   | R  |
| 21  | Aroclor 1232 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 22  | Aroclor 1242 (1)   | 5.753  | 1.000  | A   | H   | R  |
| 23  | Aroclor 1242 (2)   | 6.167  | 1.000  | A   | H   | R  |
| 24  | Aroclor 1242 (3)   | 6.247  | 1.000  | A   | H   | R  |
| 25  | Aroclor 1242 (4)   | 6.405  | 1.000  | A   | H   | R  |
| 26  | Aroclor 1242 (5)   | 6.627  | 1.000  | A   | H   | R  |
| 27  | Aroclor 1242 (6)   | 6.754  | 1.000  | A   | H   | R  |
| 28  | Aroclor 1242 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 29  | Aroclor 1248 (1)   | 6.165  | 1.000  | A   | H   | R  |
| 30  | Aroclor 1248 (2)   | 6.405  | 1.000  | A   | H   | R  |
| 31  | Aroclor 1248 (3)   | 6.627  | 1.000  | A   | H   | R  |
| 32  | Aroclor 1248 (4)   | 6.921  | 1.000  | A   | H   | R  |
| 33  | Aroclor 1248 (5)   | 6.959  | 1.000  | A   | H   | R  |
| 34  | Aroclor 1248 (6)   | 7.436  | 1.000  | A   | H   | R  |
| 35  | Aroclor 1248 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 36  | Aroclor 1254 (1)   | 6.956  | 1.000  | A   | H   | R  |
| 37  | Aroclor 1254 (2)   | 7.065  | 1.000  | A   | H   | R  |
| 38  | Aroclor 1254 (3)   | 7.436  | 1.000  | A   | H   | R  |
| 39  | Aroclor 1254 (4)   | 7.601  | 1.000  | A   | H   | R  |
| 40  | Aroclor 1254 (5)   | 7.982  | 1.000  | A   | H   | R  |
| 41  | Aroclor 1254 (6)   | 8.275  | 1.000  | A   | H   | R  |
| 42  | Aroclor 1254 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 43  | Aroclor 1260 (1)   | 7.555  | 1.000  | A   | H   | R  |
| 44  | Aroclor 1260 (2)   | 7.688  | 1.000  | A   | H   | R  |
| 45  | Aroclor 1260 (3)   | 8.245  | 1.000  | A   | H   | R  |
| 46  | Aroclor 1260 (4)   | 8.414  | 1.000  | A   | H   | R  |
| 47  | Aroclor 1260 (5)   | 8.714  | 1.000  | A   | H   | R  |
| 48  | Aroclor 1260 (6)   | 9.107  | 1.000  | A   | H   | R  |
| 49  | Aroclor 1260 - AVE | 0.799  | 1.000  | A   | H   | R  |
| 50  | Aroclor 1262 (1)   | 7.688  | 1.000  | A   | H   | R  |
| 51  | Aroclor 1262 (2)   | 8.012  | 1.000  | A   | H   | R  |
| 52  | Aroclor 1262 (3)   | 8.244  | 1.000  | A   | H   | R  |
| 53  | Aroclor 1262 (4)   | 8.415  | 1.000  | A   | H   | R  |
| 54  | Aroclor 1262 (5)   | 8.713  | 1.000  | A   | H   | R  |
| 55  | Aroclor 1262 (6)   | 9.106  | 1.000  | A   | H   | R  |
| 56  | Aroclor 1262 - AVE | 0.799  | 1.000  | A   | H   | R  |

|    |                    |       |       |   |   |   |
|----|--------------------|-------|-------|---|---|---|
| 57 | Aroclor 1268 (1)   | 8.237 | 1.000 | A | H | R |
| 58 | Aroclor 1268 (2)   | 8.661 | 1.000 | A | H | R |
| 59 | Aroclor 1268 (3)   | 8.709 | 1.000 | A | H | R |
| 60 | Aroclor 1268 (4)   | 8.892 | 1.000 | A | H | R |
| 61 | Aroclor 1268 (5)   | 9.107 | 1.000 | A | H | R |
| 62 | Aroclor 1268 (6)   | 9.369 | 1.000 | A | H | R |
| 63 | Aroclor 1268 - AVE | 0.802 | 1.000 | A | H | R |
| 64 | S DCBP (S)         | 9.610 | 1.000 | A | H | R |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

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FECD2\_QUANTPCB\_200724.M Mon Jul 27 08:33:16 2020

## CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G24014

### Analysis Included

1311/8082 TCLP PCBs  
 608.3 PCBs  
 608.3 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

| <u>SampleID</u> | <u>SampleName</u> | <u>Matrix</u> | <u>STDID</u> | <u>ISTD_ID</u> | <u>Analyzed</u>      |
|-----------------|-------------------|---------------|--------------|----------------|----------------------|
| 0G24014-ICB1    | Initial Cal Blank | Water         | A20G257      |                | 7/24/2020 7:43:00AM  |
| 0G24014-CAL1    | Cal Standard      | Water         | A20F180      | "              | 7/24/2020 8:00:00AM  |
| 0G24014-CAL2    | Cal Standard      | Water         | A20F181      | "              | 7/24/2020 8:18:00AM  |
| 0G24014-CAL3    | Cal Standard      | Water         | A20F183      | "              | 7/24/2020 8:35:00AM  |
| 0G24014-CAL4    | Cal Standard      | Water         | A20F184      | "              | 7/24/2020 8:53:00AM  |
| 0G24014-CAL5    | Cal Standard      | Water         | A20F177      | "              | 7/24/2020 9:11:00AM  |
| 0G24014-CAL6    | Cal Standard      | Water         | A20F178      | "              | 7/24/2020 9:28:00AM  |
| 0G24014-CAL7    | Cal Standard      | Water         | A20F179      | "              | 7/24/2020 9:46:00AM  |
| 0G24014-ICV1    | Initial Cal Check | Water         | A20B355      | "              | 7/24/2020 10:21:00AM |
| 0G24014-CAL8    | Cal Standard      | Water         | A20C117      | "              | 7/24/2020 10:39:00AM |
| 0G24014-CAL9    | Cal Standard      | Water         | A20B322      | "              | 7/24/2020 10:56:00AM |
| 0G24014-CALA    | Cal Standard      | Water         | A20B323      | "              | 7/24/2020 11:14:00AM |
| 0G24014-CALB    | Cal Standard      | Water         | A20B324      | "              | 7/24/2020 11:32:00AM |
| 0G24014-CALC    | Cal Standard      | Water         | A20B325      | "              | 7/24/2020 11:49:00AM |
| 0G24014-CALD    | Cal Standard      | Water         | A20B326      | "              | 7/24/2020 12:07:00PM |
| 0G24014-CALE    | Cal Standard      | Water         | A20B327      | "              | 7/24/2020 12:25:00PM |
| 0G24014-ICV2    | Initial Cal Check | Water         | A20B353      | "              | 7/24/2020 12:42:00PM |
| 0G24014-ICV3    | Initial Cal Check | Water         | A20D351      | "              | 7/24/2020 1:00:00PM  |
| 0G24014-ICV4    | Initial Cal Check | Water         | A20B354      | "              | 7/24/2020 1:17:00PM  |
| 0G24014-ICV5    | Initial Cal Check | Water         | A20B130      | "              | 7/24/2020 1:35:00PM  |

### CALIBRATION STANDARD RECOVERIES

Calibration: **A0G2702**

Instrument: **DUALECD2F**

1311/8082 TCLP PCBs

Sequence: **0G24014**

Matrix: **Water**

#### **0G24014-CAL1**

|  | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
|--|------------------|--------------------|------------------|--------------|-------------|
|--|------------------|--------------------|------------------|--------------|-------------|

|              |        |      |      |   |  |
|--------------|--------|------|------|---|--|
| Aroclor 1016 | 0.0000 | 0.00 | 20.0 | 0 |  |
| Aroclor 1260 | 0.0000 | 0.00 | 20.0 | 0 |  |

#### **0G24014-CAL2**

|  | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
|--|------------------|--------------------|------------------|--------------|-------------|
|--|------------------|--------------------|------------------|--------------|-------------|

|              |        |      |      |   |  |
|--------------|--------|------|------|---|--|
| Aroclor 1016 | 0.0000 | 0.00 | 50.0 | 0 |  |
| Aroclor 1260 | 0.0000 | 0.00 | 50.0 | 0 |  |

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G24014

| <b>0G24014-CAL3</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| Aroclor 1016        | 0.0000           | 0.00               | 100              | 0            |             |
| Aroclor 1260        | 0.0000           | 0.00               | 100              | 0            |             |
| <b>0G24014-CAL4</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1016        | 0.0000           | 0.00               | 200              | 0            |             |
| Aroclor 1260        | 0.0000           | 0.00               | 200              | 0            |             |
| <b>0G24014-CAL5</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1016        | 0.0000           | 0.00               | 500              | 0            |             |
| Aroclor 1260        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CAL6</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| 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            |             |
| <b>0G24014-CAL7</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| 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            |             |
| <b>0G24014-CAL8</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1221        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CAL9</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1232        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CALA</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1242        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CALB</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1248        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CALC</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1254        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CALD</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| Aroclor 1262        | 0.0000           | 0.00               | 500              | 0            |             |
| <b>0G24014-CALE</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| 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 quadratic fit compounds.

## CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G24014

### Analytes With Quadratic Curve Fits

Qualifier   iMDL   iMRL   Spike Amt   %Difference   OK?   Raise MRL to ?  
 \_\_\_\_\_         \_\_\_\_\_

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

### ICV RECOVERIES

Calibration: **A0G2702**

Instrument: **DUALECD2F**

608.3 PCBs - LL (1000/1mL) +

Sequence: **0G24014**

Matrix: **Water**

| 0G24014-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |
| 1260 (6)     | 20        | 500       | 333.85 | 67    |      |

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.

## Element Calibration Review Sheet

Calibration ID: **AOG2702**

Instrument: **DUALECD2F**

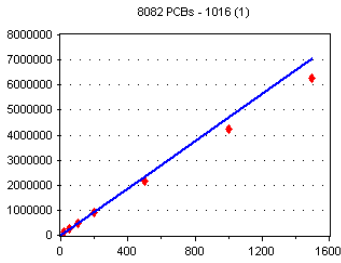
Calibration Date: **07/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2\_QUANTPCB\_20072**

### 1016 (1)

Curve Fit: **AVERAGE RF**

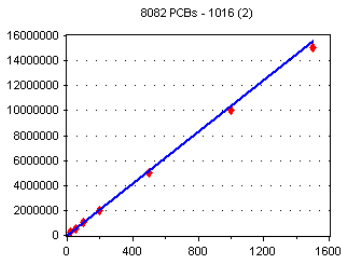


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 115250   | 5762.500        | 5.75 |
| OG24014-CAL2 | 50            | 257062   | 5141.240        | 5.75 |
| OG24014-CAL3 | 100           | 478057   | 4780.570        | 5.75 |
| OG24014-CAL4 | 200           | 902963   | 4514.815        | 5.75 |
| OG24014-CAL5 | 500           | 2152914  | 4305.828        | 5.75 |
| OG24014-CAL6 | 1000          | 4237008  | 4237.008        | 5.75 |
| OG24014-CAL7 | 1500          | 6256347  | 4170.898        | 5.75 |

**AVE RF**    **4701.837**    **RF RSD**    **12.32**    **AVE RT**    **5.75**

### 1016 (2)

Curve Fit: **AVERAGE RF**

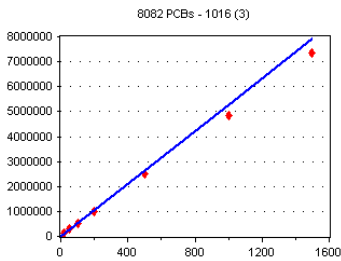


| Standard     | Concentration | Response    | Response Factor | RT   |
|--------------|---------------|-------------|-----------------|------|
| OG24014-CAL1 | 20            | 227377      | 11368.850       | 6.17 |
| OG24014-CAL2 | 50            | 538255      | 10765.100       | 6.17 |
| OG24014-CAL3 | 100           | 1040342     | 10403.420       | 6.17 |
| OG24014-CAL4 | 200           | 2014883     | 10074.420       | 6.17 |
| OG24014-CAL5 | 500           | 5001187     | 10002.370       | 6.17 |
| OG24014-CAL6 | 1000          | 1.00052E+07 | 10005.200       | 6.17 |
| OG24014-CAL7 | 1500          | 504716E+07  | 10031.440       | 6.17 |

**AVE RF**    **10378.690**    **RF RSD**    **5.01**    **AVE RT**    **6.17**

### 1016 (3)

Curve Fit: **AVERAGE RF**

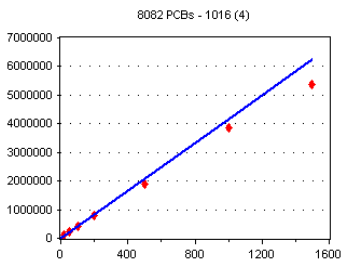


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 125737   | 6286.850        | 6.25 |
| OG24014-CAL2 | 50            | 281304   | 5626.080        | 6.25 |
| OG24014-CAL3 | 100           | 535398   | 5353.980        | 6.25 |
| OG24014-CAL4 | 200           | 1002091  | 5010.455        | 6.25 |
| OG24014-CAL5 | 500           | 2494995  | 4989.990        | 6.25 |
| OG24014-CAL6 | 1000          | 4838004  | 4838.004        | 6.25 |
| OG24014-CAL7 | 1500          | 7348101  | 4898.734        | 6.25 |

**AVE RF**    **5286.299**    **RF RSD**    **9.88**    **AVE RT**    **6.25**

### 1016 (4)

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 98411    | 4920.550        | 6.41 |
| OG24014-CAL2 | 50            | 229420   | 4588.400        | 6.41 |
| OG24014-CAL3 | 100           | 434474   | 4344.740        | 6.41 |
| OG24014-CAL4 | 200           | 793823   | 3969.115        | 6.41 |
| OG24014-CAL5 | 500           | 1889410  | 3778.820        | 6.41 |
| OG24014-CAL6 | 1000          | 3870392  | 3870.392        | 6.41 |
| OG24014-CAL7 | 1500          | 5390703  | 3593.802        | 6.41 |

**AVE RF**    **4152.260**    **RF RSD**    **11.56**    **AVE RT**    **6.41**

## Element Calibration Review Sheet

Calibration ID: **AOG2702**

Instrument: **DUALECD2F**

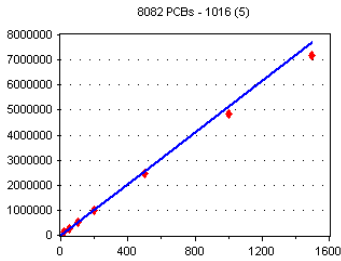
Calibration Date: **07/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2\_QUANTPCB\_20072**

### 1016 (5)

Curve Fit: **AVERAGE RF**

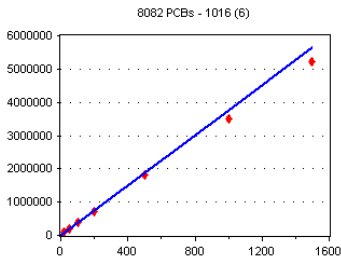


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 117685   | 5884.250        | 6.63 |
| OG24014-CAL2 | 50            | 268688   | 5373.760        | 6.63 |
| OG24014-CAL3 | 100           | 512843   | 5128.430        | 6.63 |
| OG24014-CAL4 | 200           | 1005864  | 5029.320        | 6.63 |
| OG24014-CAL5 | 500           | 2452080  | 4904.160        | 6.63 |
| OG24014-CAL6 | 1000          | 4858815  | 4858.815        | 6.63 |
| OG24014-CAL7 | 1500          | 7186871  | 4791.248        | 6.63 |

**AVE RF**    **5138.569**    **RF RSD**    **7.44**    **AVE RT**    **6.63**

### 1016 (6)

Curve Fit: **AVERAGE RF**

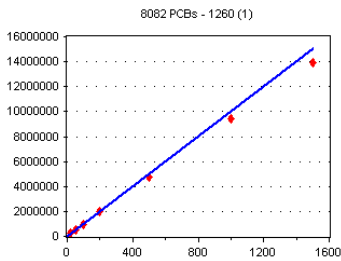


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 86825    | 4341.250        | 6.75 |
| OG24014-CAL2 | 50            | 201535   | 4030.700        | 6.75 |
| OG24014-CAL3 | 100           | 375578   | 3755.780        | 6.75 |
| OG24014-CAL4 | 200           | 724356   | 3621.780        | 6.75 |
| OG24014-CAL5 | 500           | 1804662  | 3609.324        | 6.75 |
| OG24014-CAL6 | 1000          | 3489242  | 3489.242        | 6.75 |
| OG24014-CAL7 | 1500          | 5209227  | 3472.818        | 6.75 |

**AVE RF**    **3760.128**    **RF RSD**    **8.47**    **AVE RT**    **6.75**

### 1260 (1)

Curve Fit: **AVERAGE RF**

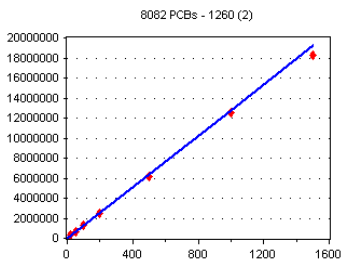


| Standard     | Concentration | Response   | Response Factor | RT   |
|--------------|---------------|------------|-----------------|------|
| OG24014-CAL1 | 20            | 226126     | 11306.300       | 7.56 |
| OG24014-CAL2 | 50            | 545212     | 10904.240       | 7.56 |
| OG24014-CAL3 | 100           | 993075     | 9930.750        | 7.55 |
| OG24014-CAL4 | 200           | 1960129    | 9800.645        | 7.56 |
| OG24014-CAL5 | 500           | 4722080    | 9444.160        | 7.56 |
| OG24014-CAL6 | 1000          | 9469655    | 9469.655        | 7.56 |
| OG24014-CAL7 | 1500          | 390605E+07 | 9270.700        | 7.56 |

**AVE RF**    **10018.060**    **RF RSD**    **7.83**    **AVE RT**    **7.56**

### 1260 (2)

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response   | Response Factor | RT   |
|--------------|---------------|------------|-----------------|------|
| OG24014-CAL1 | 20            | 282669     | 14133.450       | 7.69 |
| OG24014-CAL2 | 50            | 657410     | 13148.200       | 7.69 |
| OG24014-CAL3 | 100           | 1287057    | 12870.570       | 7.69 |
| OG24014-CAL4 | 200           | 2484917    | 12424.580       | 7.69 |
| OG24014-CAL5 | 500           | 6130699    | 12261.400       | 7.69 |
| OG24014-CAL6 | 1000          | 255732E+07 | 12557.320       | 7.69 |
| OG24014-CAL7 | 1500          | 826611E+07 | 12177.410       | 7.69 |

**AVE RF**    **12796.130**    **RF RSD**    **5.32**    **AVE RT**    **7.69**

## Element Calibration Review Sheet

Calibration ID: **AOG2702**

Instrument: **DUALECD2F**

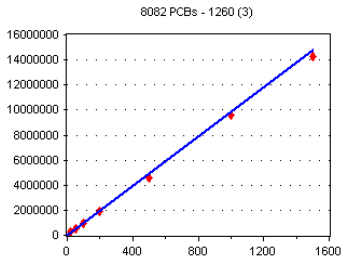
Calibration Date: **07/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2\_QUANTPCB\_20072**

### 1260 (3)

Curve Fit: **AVERAGE RF**

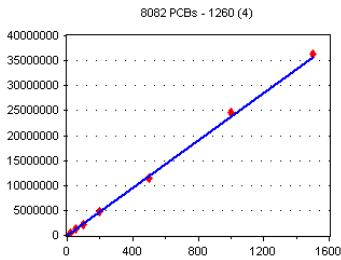


| Standard     | Concentration | Response   | Response Factor | RT   |
|--------------|---------------|------------|-----------------|------|
| OG24014-CAL1 | 20            | 221198     | 11059.900       | 8.25 |
| OG24014-CAL2 | 50            | 504109     | 10082.180       | 8.25 |
| OG24014-CAL3 | 100           | 976923     | 9769.230        | 8.24 |
| OG24014-CAL4 | 200           | 1926263    | 9631.315        | 8.25 |
| OG24014-CAL5 | 500           | 4575243    | 9150.486        | 8.25 |
| OG24014-CAL6 | 1000          | 9623588    | 9623.588        | 8.25 |
| OG24014-CAL7 | 1500          | 426086E+07 | 9507.240        | 8.25 |

**AVE RF 9831.991 RF RSD 6.20 AVE RT 8.25**

### 1260 (4)

Curve Fit: **AVERAGE RF**

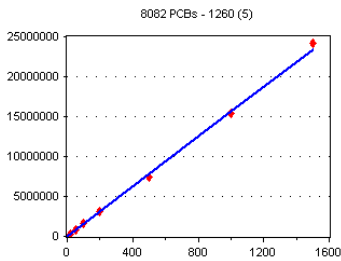


| Standard     | Concentration | Response   | Response Factor | RT   |
|--------------|---------------|------------|-----------------|------|
| OG24014-CAL1 | 20            | 488432     | 24421.600       | 8.42 |
| OG24014-CAL2 | 50            | 1196004    | 23920.080       | 8.42 |
| OG24014-CAL3 | 100           | 2251690    | 22516.900       | 8.41 |
| OG24014-CAL4 | 200           | 4688275    | 23441.380       | 8.42 |
| OG24014-CAL5 | 500           | 150683E+07 | 23013.660       | 8.42 |
| OG24014-CAL6 | 1000          | 456814E+07 | 24568.140       | 8.42 |
| OG24014-CAL7 | 1500          | 630372E+07 | 24202.480       | 8.42 |

**AVE RF 23726.320 RF RSD 3.22 AVE RT 8.41**

### 1260 (5)

Curve Fit: **AVERAGE RF**

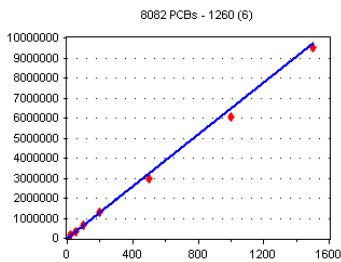


| Standard     | Concentration | Response   | Response Factor | RT   |
|--------------|---------------|------------|-----------------|------|
| OG24014-CAL1 | 20            | 325394     | 16269.700       | 8.71 |
| OG24014-CAL2 | 50            | 773241     | 15464.820       | 8.71 |
| OG24014-CAL3 | 100           | 1562533    | 15625.330       | 8.71 |
| OG24014-CAL4 | 200           | 3099486    | 15497.430       | 8.72 |
| OG24014-CAL5 | 500           | 7454287    | 14908.570       | 8.71 |
| OG24014-CAL6 | 1000          | 537943E+07 | 15379.430       | 8.72 |
| OG24014-CAL7 | 1500          | 2.4216E+07 | 16144.000       | 8.71 |

**AVE RF 15612.750 RF RSD 2.98 AVE RT 8.71**

### 1260 (6)

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OG24014-CAL1 | 20            | 150865   | 7543.250        | 9.11 |
| OG24014-CAL2 | 50            | 337544   | 6750.880        | 9.11 |
| OG24014-CAL3 | 100           | 643202   | 6432.020        | 9.11 |
| OG24014-CAL4 | 200           | 1281762  | 6408.810        | 9.11 |
| OG24014-CAL5 | 500           | 2974195  | 5948.390        | 9.11 |
| OG24014-CAL6 | 1000          | 6042358  | 6042.358        | 9.11 |
| OG24014-CAL7 | 1500          | 9517733  | 6345.155        | 9.11 |

**AVE RF 6495.838 RF RSD 8.20 AVE RT 9.11**



# Element Calibration Review Sheet

Calibration ID: **A0G2702**

Instrument: **DUALECD2F**

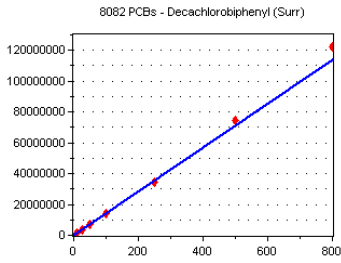
Calibration Date: **07/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2\_QUANTPCB\_20072**

## Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



| <u>Standard</u> | <u>Concentration</u> | <u>Response</u> | <u>Response Factor</u> | <u>RT</u> |
|-----------------|----------------------|-----------------|------------------------|-----------|
| 0G24014-CAL1    | 10                   | 1383828         | 138382.800             | 9.61      |
| 0G24014-CAL2    | 25                   | 3458337         | 138333.500             | 9.61      |
| 0G24014-CAL3    | 50                   | 6938936         | 138778.700             | 9.61      |
| 0G24014-CAL4    | 100                  | 388452E+07      | 138845.200             | 9.61      |
| 0G24014-CAL5    | 250                  | 472586E+07      | 138903.400             | 9.61      |
| 0G24014-CAL6    | 500                  | 451542E+07      | 149030.800             | 9.61      |
| 0G24014-CAL7    | 800                  | 220869E+08      | 152608.600             | 9.61      |

AVE RF    **142126.200**    RF RSD    **4.24**    AVE RT    **9.61**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 7:43 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICB1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

*KAK 7/27/2020*

Clean

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:14 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 12780479 | 98.283 ng/ml  |
| 64) S DCBP (S)              | 9.611 | 13861112 | 97.527 ng/ml  |
| Target Compounds            |       |          |               |
| 2) Aroclor 1016 (1)         | 5.745 | 3680     | 0.783 ng/ml   |
| 3) Aroclor 1016 (2)         | 6.166 | 3721     | 0.359 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.258 | 2534     | 0.479 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.404 | 1377     | 0.332 ng/ml   |
| 6) Aroclor 1016 (5)         | 6.629 | 131      | 0.025 ng/ml   |
| 7) Aroclor 1016 (6)         | 6.746 | 425      | 0.113 ng/ml   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |
| 9) Aroclor 1221 (1)         | 5.193 | 265403   | 152.680 ng/ml |
| 10) Aroclor 1221 (2)        | 5.295 | 9416     | 8.465 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.385 | 9315     | 2.573 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.861 | 2676     | 4.569 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.166 | 3721     | 5.313 ng/ml   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 15) Aroclor 1232 (1)        | 5.385 | 9315     | 3.072 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.166 | 3721     | 0.946 ng/ml   |
| 17) Aroclor 1232 (3)        | 6.258 | 2534     | 1.162 ng/ml   |
| 18) Aroclor 1232 (4)        | 6.404 | 1377     | 1.068 ng/ml   |
| 19) Aroclor 1232 (5)        | 6.629 | 131      | 0.071 ng/ml   |
| 20) Aroclor 1232 (6)        | 6.760 | 1049     | 0.682 ng/ml   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |
| 22) Aroclor 1242 (1)        | 5.745 | 3680     | 1.051 ng/ml   |
| 23) Aroclor 1242 (2)        | 6.166 | 3721     | 0.496 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.258 | 2534     | 0.638 ng/ml   |
| 25) Aroclor 1242 (4)        | 6.404 | 1377     | 0.527 ng/ml   |
| 26) Aroclor 1242 (5)        | 6.629 | 131      | 0.035 ng/ml   |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 7:43 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICB1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:14 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.760 | 1049     | 0.320 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.166 | 3721     | 0.805 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.404 | 1377     | 0.275 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.629 | 131      | 0.021 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.912 | 794      | 0.108 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.969 | 5027     | 0.638 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.430 | 2440     | 0.620 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.969 | 5027     | 0.712 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.067 | 2802     | 0.328 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.430 | 2440     | 0.180 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.596 | 3616     | 0.391 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.971 | 4215     | 0.457 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.278 | 5182     | 1.725 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.552 | 2557     | 0.255 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.683 | 2829     | 0.221 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.240 | 5828     | 0.593 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.412 | 22999    | 0.969 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.716 | 7116     | 0.456 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.104 | 12614    | 1.942 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.683 | 2829     | 0.312 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.025 | 3289     | 0.258 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.240 | 5828     | 0.524 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.412 | 22999    | 0.963 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.716 | 7116     | 0.491 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.104 | 12614    | 1.652 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.240 | 5828     | 1.021 ng/ml |

Quantitation Report      (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F003.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020      7:43 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICB1  
 Misc :  
 ALS Vial : 2      Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:14 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2)   | 8.661 | 5764     | 0.208 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.716 | 7116     | 0.302 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.895 | 48450    | 2.249 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.104 | 12614    | 1.494 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.372 | 39792    | 0.617 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml  |

(f)=RT Delta > 1/2 Window

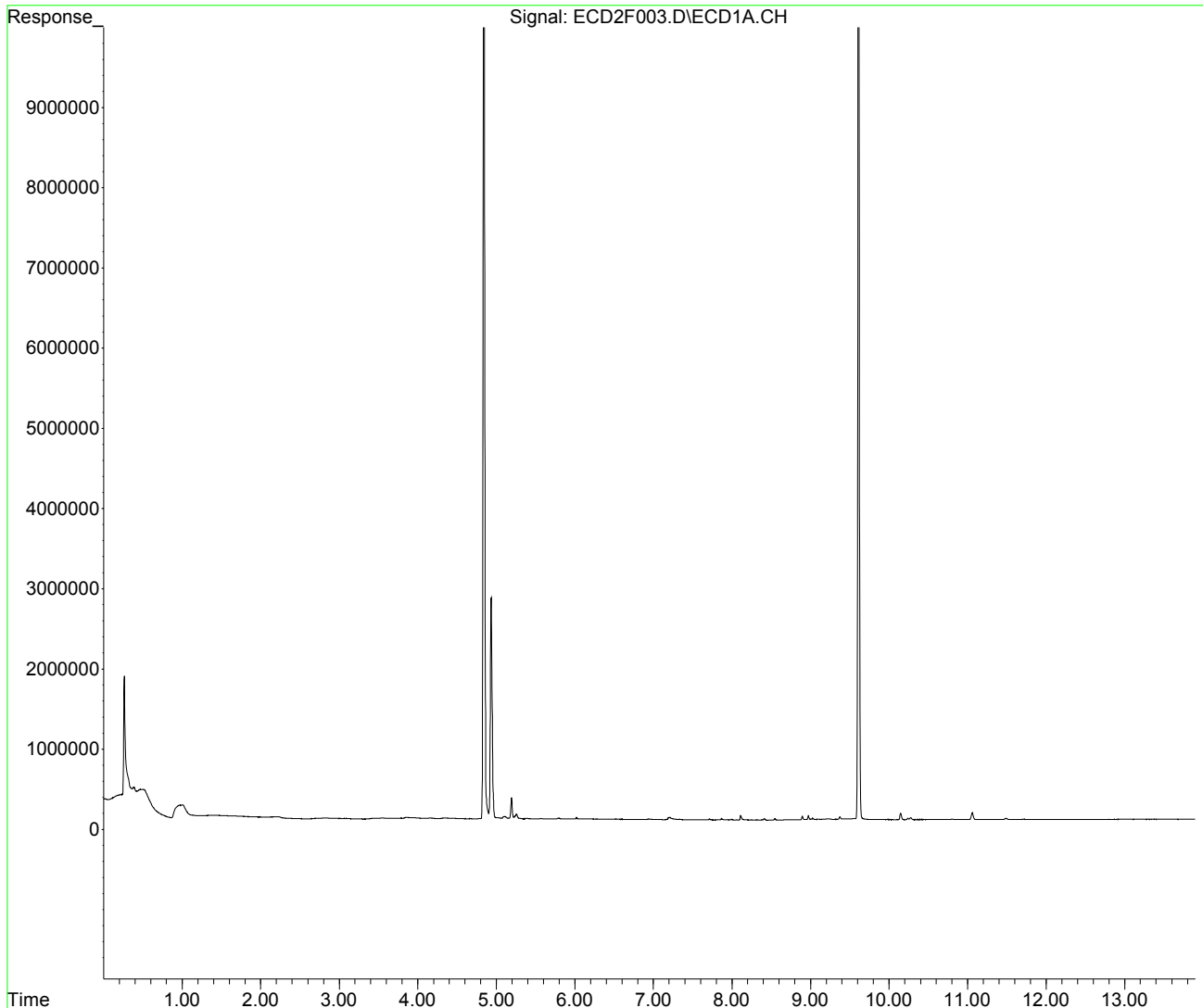
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F003.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 7:43 am  
Operator : MJB / KAK  
Sample : 0G24014-ICB1  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:49:14 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F011.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:04 am  
 Operator : MJB / KAK  
 Sample : OG24014-IBL1  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

*KAK 7/27/2020*

< MDL

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.837 | 5869     | 0.045 ng/ml  |
| 64) S DCBP (S)              | 9.610 | 40900    | 0.288 ng/ml  |
| Target Compounds            |       |          |              |
| 2) Aroclor 1016 (1)         | 5.754 | 4735     | 1.007 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.170 | 10880    | 1.048 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.241 | 2930     | 0.554 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.422 | 4950     | 1.192 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.637 | 4097     | 0.797 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.747 | 786      | 0.209 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml   |
| 9) Aroclor 1221 (1)         | 5.190 | 14790    | 8.508 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.313 | 2123     | 1.908 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.384 | 9054     | 2.501 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.861 | 3072     | 5.245 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.170 | 10880    | 15.533 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml   |
| 15) Aroclor 1232 (1)        | 5.384 | 9054     | 2.986 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.170 | 10880    | 2.767 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.241 | 2930     | 1.343 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.422 | 4950     | 3.838 ng/ml  |
| 19) Aroclor 1232 (5)        | 6.637 | 4097     | 2.241 ng/ml  |
| 20) Aroclor 1232 (6)        | 6.747 | 786      | 0.511 ng/ml  |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml   |
| 22) Aroclor 1242 (1)        | 5.754 | 4735     | 1.352 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.170 | 10880    | 1.450 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.241 | 2930     | 0.737 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.422 | 4950     | 1.893 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.637 | 4097     | 1.093 ng/ml  |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F011.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:04 am  
 Operator : MJB / KAK  
 Sample : OG24014-IBL1  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 27) | Aroclor 1242 (6)   | 6.747 | 786      | 0.240 ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 29) | Aroclor 1248 (1)   | 6.170 | 10880    | 2.353 ng/ml |
| 30) | Aroclor 1248 (2)   | 6.422 | 4950     | 0.987 ng/ml |
| 31) | Aroclor 1248 (3)   | 6.637 | 4097     | 0.671 ng/ml |
| 32) | Aroclor 1248 (4)   | 6.912 | 1919     | 0.262 ng/ml |
| 33) | Aroclor 1248 (5)   | 6.960 | 8321     | 1.056 ng/ml |
| 34) | Aroclor 1248 (6)   | 7.425 | 1927     | 0.490 ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 36) | Aroclor 1254 (1)   | 6.960 | 8321     | 1.179 ng/ml |
| 37) | Aroclor 1254 (2)   | 7.069 | 5716     | 0.670 ng/ml |
| 38) | Aroclor 1254 (3)   | 7.447 | 6991     | 0.516 ng/ml |
| 39) | Aroclor 1254 (4)   | 7.600 | 3000     | 0.324 ng/ml |
| 40) | Aroclor 1254 (5)   | 7.984 | 8752     | 0.948 ng/ml |
| 41) | Aroclor 1254 (6)   | 8.277 | 1271     | 0.423 ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 43) | Aroclor 1260 (1)   | 7.558 | 10736    | 1.072 ng/ml |
| 44) | Aroclor 1260 (2)   | 7.690 | 11089    | 0.867 ng/ml |
| 45) | Aroclor 1260 (3)   | 8.247 | 8080     | 0.822 ng/ml |
| 46) | Aroclor 1260 (4)   | 8.416 | 17373    | 0.732 ng/ml |
| 47) | Aroclor 1260 (5)   | 8.714 | 11530    | 0.738 ng/ml |
| 48) | Aroclor 1260 (6)   | 9.108 | 4344     | 0.669 ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 50) | Aroclor 1262 (1)   | 7.690 | 11089    | 1.222 ng/ml |
| 51) | Aroclor 1262 (2)   | 8.015 | 8085     | 0.635 ng/ml |
| 52) | Aroclor 1262 (3)   | 8.247 | 8080     | 0.726 ng/ml |
| 53) | Aroclor 1262 (4)   | 8.416 | 17373    | 0.727 ng/ml |
| 54) | Aroclor 1262 (5)   | 8.714 | 11530    | 0.796 ng/ml |
| 55) | Aroclor 1262 (6)   | 9.108 | 4344     | 0.569 ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml  |
| 57) | Aroclor 1268 (1)   | 8.247 | 8080     | 1.416 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
 Data File : ECD2F011.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:04 am  
 Operator : MJB / KAK  
 Sample : 0G24014-IBL1  
 Misc :  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2)   | 8.666 | 4233     | 0.153 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.714 | 11530    | 0.490 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.896 | 2373     | 0.110 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.108 | 4344     | 0.515 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.369 | 1587     | 0.025 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml  |

(f)=RT Delta > 1/2 Window

(m)=manual int.

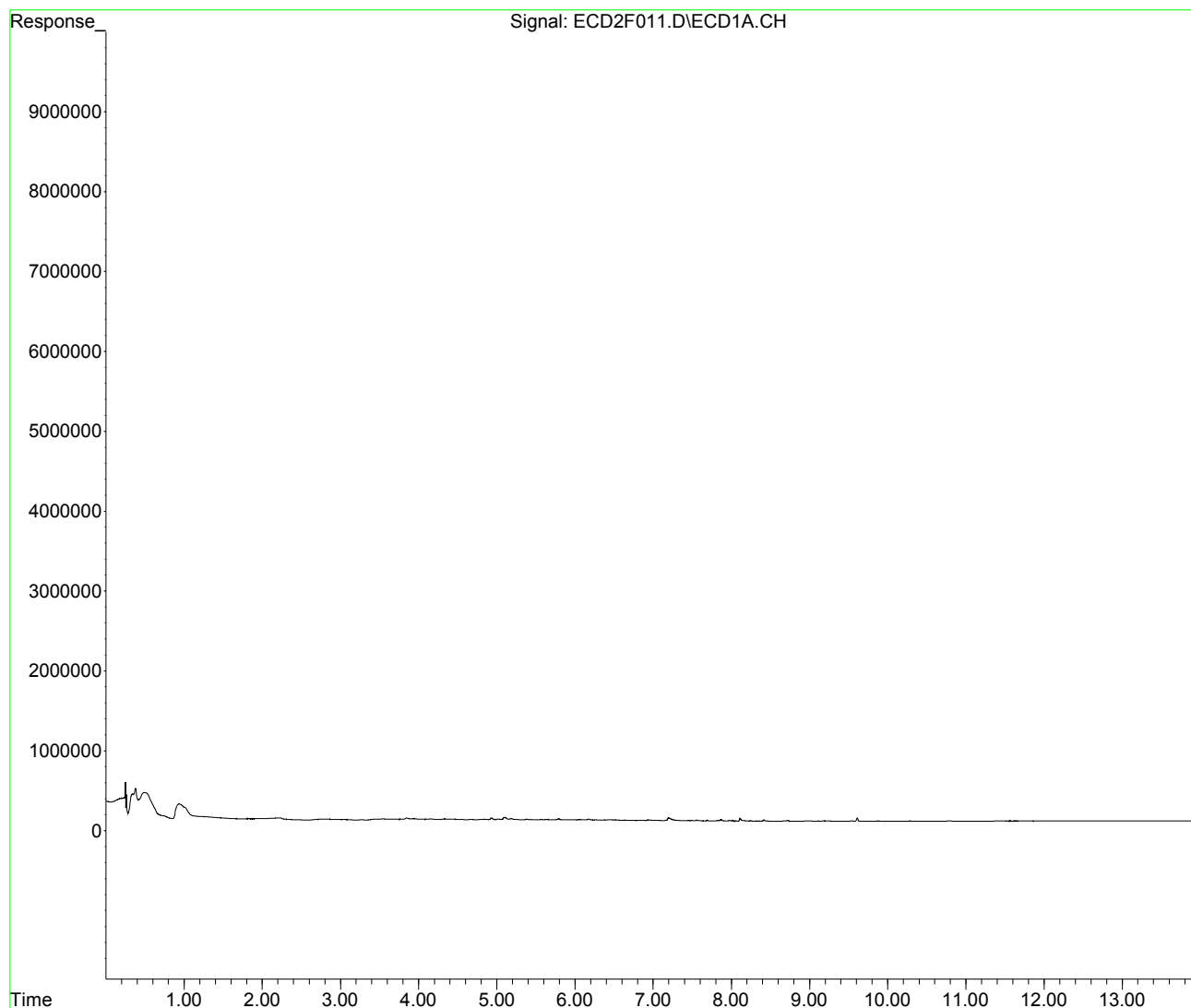


Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F011.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 10:04 am  
Operator : MJB / KAK  
Sample : 0G24014-IBL1  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:49:31 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:21 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICV1  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 29228943 | 224.773 ng/ml  |
| 64) S DCBP (S)              | 9.610 | 30634416 | 215.544 ng/ml  |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.754 | 2042080  | 434.315 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.166 | 4618478  | 444.997 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.247 | 2330259  | 440.811 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.405 | 1712392  | 412.400 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.627 | 2211127  | 430.300 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.754 | 1665791  | 443.014 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.193 | 716626   | 412.257 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.313 | 261623   | 235.191 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.393 | 1202565  | 332.171 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.863 | 229411   | 391.677 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.166 | 4618478  | 6593.771 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.393 | 1202565  | 396.632 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.166 | 4618478  | 1174.605 ng/ml |
| 17) Aroclor 1232 (3)        | 6.247 | 2330259  | 1068.014 ng/ml |
| 18) Aroclor 1232 (4)        | 6.405 | 1712392  | 1327.851 ng/ml |
| 19) Aroclor 1232 (5)        | 6.627 | 2211127  | 1209.320 ng/ml |
| 20) Aroclor 1232 (6)        | 6.754 | 1665791  | 1083.098 ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.754 | 2042080  | 582.915 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.166 | 4618478  | 615.577 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.247 | 2330259  | 586.251 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.405 | 1712392  | 654.705 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.627 | 2211127  | 590.077 ng/ml  |

434.306

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:21 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICV1  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6)   | 6.754 | 1665791  | 508.301 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 29) Aroclor 1248 (1)   | 6.166 | 4618478  | 998.800 ng/ml |
| 30) Aroclor 1248 (2)   | 6.405 | 1712392  | 341.452 ng/ml |
| 31) Aroclor 1248 (3)   | 6.627 | 2211127  | 361.857 ng/ml |
| 32) Aroclor 1248 (4)   | 6.921 | 392004   | 53.502 ng/ml  |
| 33) Aroclor 1248 (5)   | 6.956 | 1747636  | 221.868 ng/ml |
| 34) Aroclor 1248 (6)   | 7.443 | 3451390  | 877.541 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 36) Aroclor 1254 (1)   | 6.956 | 1747636  | 247.607 ng/ml |
| 37) Aroclor 1254 (2)   | 7.065 | 1872306  | 219.333 ng/ml |
| 38) Aroclor 1254 (3)   | 7.443 | 3451390  | 254.675 ng/ml |
| 39) Aroclor 1254 (4)   | 7.601 | 428099   | 46.240 ng/ml  |
| 40) Aroclor 1254 (5)   | 7.982 | 5534788  | 599.462 ng/ml |
| 41) Aroclor 1254 (6)   | 8.274 | 609862   | 203.032 ng/ml |
| 42) Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 43) Aroclor 1260 (1)   | 7.555 | 4888055  | 487.924 ng/ml |
| 44) Aroclor 1260 (2)   | 7.687 | 6261596  | 489.335 ng/ml |
| 45) Aroclor 1260 (3)   | 8.245 | 4260603  | 433.341 ng/ml |
| 46) Aroclor 1260 (4)   | 8.415 | 10092489 | 425.371 ng/ml |
| 47) Aroclor 1260 (5)   | 8.715 | 6629448  | 424.617 ng/ml |
| 48) Aroclor 1260 (6)   | 9.108 | 2168607  | 333.846 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 50) Aroclor 1262 (1)   | 7.687 | 6261596  | 690.221 ng/ml |
| 51) Aroclor 1262 (2)   | 8.012 | 3904462  | 306.543 ng/ml |
| 52) Aroclor 1262 (3)   | 8.245 | 4260603  | 382.825 ng/ml |
| 53) Aroclor 1262 (4)   | 8.415 | 10092489 | 422.389 ng/ml |
| 54) Aroclor 1262 (5)   | 8.715 | 6629448  | 457.747 ng/ml |
| 55) Aroclor 1262 (6)   | 9.108 | 2168607  | 283.996 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 57) Aroclor 1268 (1)   | 8.245 | 4260603  | 746.741 ng/ml |

432.406

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F012.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:21 am  
 Operator : MJB / KAK  
 Sample : OG24014-ICV1  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:49:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.662 | 1879158  | 67.730 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.715 | 6629448  | 281.524 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.891 | 278435   | 12.924 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.108 | 2168607  | 256.927 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.370 | 675919   | 10.487 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

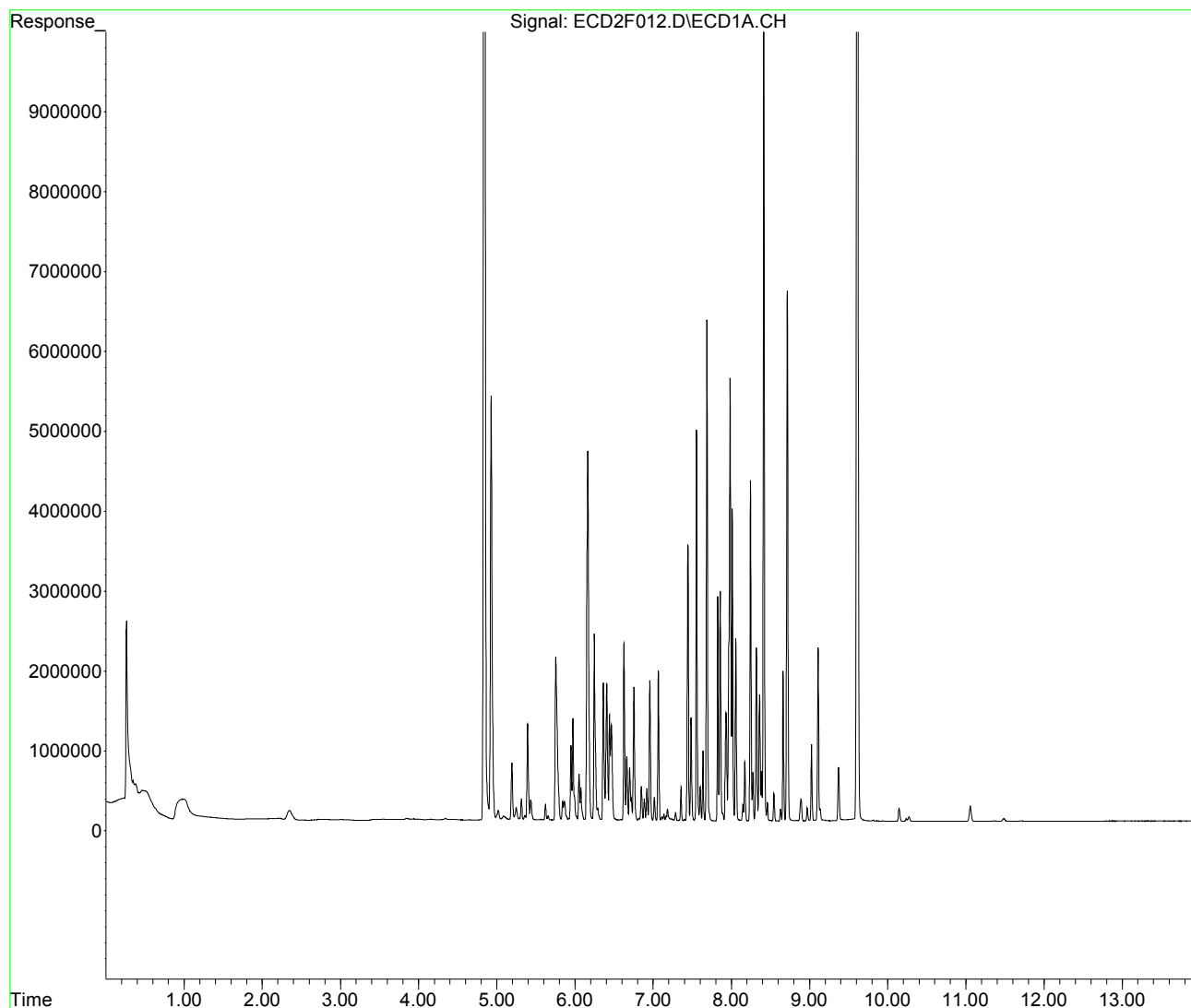
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F012.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 10:21 am  
Operator : MJB / KAK  
Sample : 0G24014-ICV1  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:49:47 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F020.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:42 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV2  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:03 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.838 | 5293917  | 40.711 ng/ml   |
| 64) S DCBP (S)              | 9.609 | 12634934 | 88.899 ng/ml   |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.753 | 532448   | 113.243 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.166 | 727513   | 70.097 ng/ml   |
| 4) Aroclor 1016 (3)         | 6.247 | 429638   | 81.274 ng/ml   |
| 5) Aroclor 1016 (4)         | 6.405 | 2045131  | 492.535 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.626 | 1367377  | 266.100 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.754 | 648867   | 172.565 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.196 | 1557642  | 896.073 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.313 | 1022716  | 919.388 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.394 | 3484782  | 962.561 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.860 | 516724   | 882.211 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.166 | 727513   | 1038.665 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.394 | 3484782  | 1149.356 ng/ml |
| 16) Aroclor 1232 (2)        | 6.166 | 727513   | 185.026 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.247 | 429638   | 196.913 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.405 | 2045131  | 1585.869 ng/ml |
| 19) Aroclor 1232 (5)        | 6.626 | 1367377  | 747.852 ng/ml  |
| 20) Aroclor 1232 (6)        | 6.754 | 648867   | 421.894 ng/ml  |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.753 | 532448   | 151.988 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.166 | 727513   | 96.967 ng/ml   |
| 24) Aroclor 1242 (3)        | 6.247 | 429638   | 108.089 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.405 | 2045131  | 781.922 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.626 | 1367377  | 364.908 ng/ml  |

939.780

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F020.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:42 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV2  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:03 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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     |
|------------------------|-------|----------|----------------|
| 27) Aroclor 1242 (6)   | 6.754 | 648867   | 197.996 ng/ml  |
| 28) Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml     |
| 29) Aroclor 1248 (1)   | 6.166 | 727513   | 157.333 ng/ml  |
| 30) Aroclor 1248 (2)   | 6.405 | 2045131  | 407.800 ng/ml  |
| 31) Aroclor 1248 (3)   | 6.626 | 1367377  | 223.775 ng/ml  |
| 32) Aroclor 1248 (4)   | 6.921 | 2138339  | 291.847 ng/ml  |
| 33) Aroclor 1248 (5)   | 6.956 | 3936711  | 499.779 ng/ml  |
| 34) Aroclor 1248 (6)   | 7.436 | 7218434  | 1835.338 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml     |
| 36) Aroclor 1254 (1)   | 6.956 | 3936711  | 557.757 ng/ml  |
| 37) Aroclor 1254 (2)   | 7.065 | 4521670  | 529.696 ng/ml  |
| 38) Aroclor 1254 (3)   | 7.436 | 7218434  | 532.642 ng/ml  |
| 39) Aroclor 1254 (4)   | 7.601 | 4766761  | 514.870 ng/ml  |
| 40) Aroclor 1254 (5)   | 7.982 | 5069630  | 549.081 ng/ml  |
| 41) Aroclor 1254 (6)   | 8.275 | 1614324  | 537.433 ng/ml  |
| 42) Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml     |
| 43) Aroclor 1260 (1)   | 7.556 | 2630026  | 262.528 ng/ml  |
| 44) Aroclor 1260 (2)   | 7.687 | 2948997  | 230.460 ng/ml  |
| 45) Aroclor 1260 (3)   | 8.245 | 421406   | 42.861 ng/ml   |
| 46) Aroclor 1260 (4)   | 8.413 | 1017259  | 42.875 ng/ml   |
| 47) Aroclor 1260 (5)   | 8.714 | 886633   | 56.789 ng/ml   |
| 48) Aroclor 1260 (6)   | 9.107 | 69809    | 10.747 ng/ml   |
| 49) Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml     |
| 50) Aroclor 1262 (1)   | 7.687 | 2948997  | 325.070 ng/ml  |
| 51) Aroclor 1262 (2)   | 7.982 | 5069630  | 398.022 ng/ml  |
| 52) Aroclor 1262 (3)   | 8.245 | 421406   | 37.864 ng/ml   |
| 53) Aroclor 1262 (4)   | 8.413 | 1017259  | 42.574 ng/ml   |
| 54) Aroclor 1262 (5)   | 8.714 | 886633   | 61.220 ng/ml   |
| 55) Aroclor 1262 (6)   | 9.107 | 69809    | 9.142 ng/ml    |
| 56) Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml     |
| 57) Aroclor 1268 (1)   | 8.245 | 421406   | 73.858 ng/ml   |

536.913

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F020.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:42 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV2  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:03 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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   |
|-----|--------------------|-------|----------|--------------|
| 58) | Aroclor 1268 (2)   | 8.662 | 56555    | 2.038 ng/ml  |
| 59) | Aroclor 1268 (3)   | 8.714 | 886633   | 37.651 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.887 | 60486    | 2.808 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.107 | 69809    | 8.271 ng/ml  |
| 62) | Aroclor 1268 (6)   | 9.369 | 49567    | 0.769 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml   |

(f)=RT Delta > 1/2 Window

(m)=manual int.

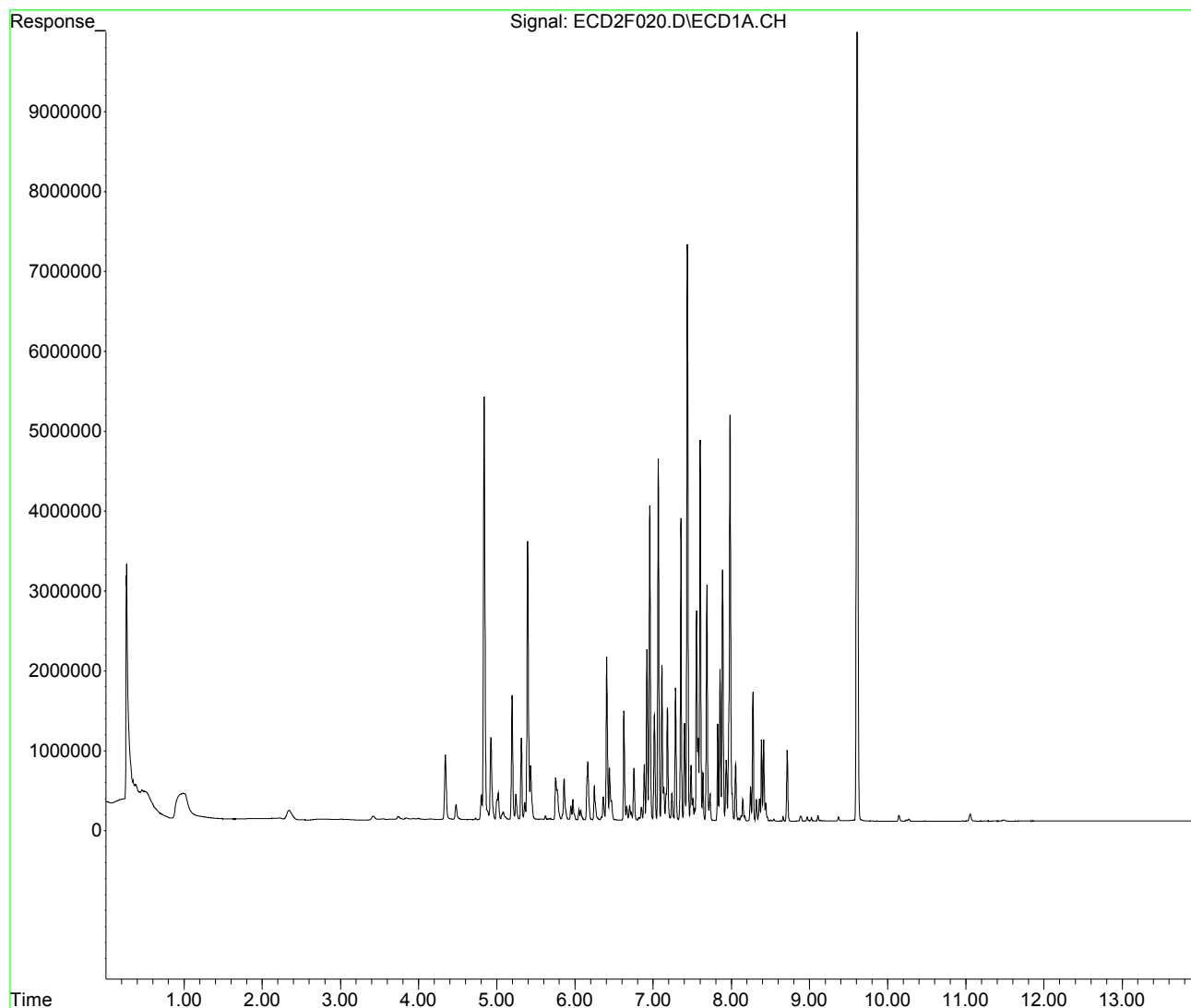


Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F020.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 12:42 pm  
Operator : MJB / KAK  
Sample : 0G24014-ICV2  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:50:03 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F021.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:00 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV3  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.839 | 5174448  | 39.792 ng/ml   |
| 64) S DCBP (S)              | 9.609 | 12461121 | 87.676 ng/ml   |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.753 | 968320   | 205.945 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.166 | 2054078  | 197.913 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.247 | 1047805  | 198.211 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.405 | 700756   | 168.765 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.627 | 943063   | 183.526 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.753 | 790062   | 210.116 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.196 | 512673   | 294.928 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.313 | 382974   | 344.281 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.393 | 1431384  | 395.375 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.861 | 231559   | 395.344 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.166 | 2054078  | 2932.593 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.393 | 1431384  | 472.101 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.166 | 2054078  | 522.408 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.247 | 1047805  | 480.234 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.405 | 700756   | 543.392 ng/ml  |
| 19) Aroclor 1232 (5)        | 6.627 | 943063   | 515.784 ng/ml  |
| 20) Aroclor 1232 (6)        | 6.753 | 790062   | 513.699 ng/ml  |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.753 | 968320   | 276.408 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.166 | 2054078  | 273.779 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.247 | 1047805  | 263.609 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.405 | 700756   | 267.923 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.627 | 943063   | 251.672 ng/ml  |

507.936

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F021.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:00 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV3  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6)   | 6.753 | 790062   | 241.080 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 29) Aroclor 1248 (1)   | 6.166 | 2054078  | 444.218 ng/ml |
| 30) Aroclor 1248 (2)   | 6.405 | 700756   | 139.731 ng/ml |
| 31) Aroclor 1248 (3)   | 6.627 | 943063   | 154.335 ng/ml |
| 32) Aroclor 1248 (4)   | 6.921 | 1000643  | 136.571 ng/ml |
| 33) Aroclor 1248 (5)   | 6.958 | 1518556  | 192.786 ng/ml |
| 34) Aroclor 1248 (6)   | 7.444 | 3029974  | 770.392 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 36) Aroclor 1254 (1)   | 6.958 | 1518556  | 215.150 ng/ml |
| 37) Aroclor 1254 (2)   | 7.064 | 803587   | 94.137 ng/ml  |
| 38) Aroclor 1254 (3)   | 7.444 | 3029974  | 223.579 ng/ml |
| 39) Aroclor 1254 (4)   | 7.601 | 365441   | 39.472 ng/ml  |
| 40) Aroclor 1254 (5)   | 7.982 | 2348642  | 254.377 ng/ml |
| 41) Aroclor 1254 (6)   | 8.274 | 164444   | 54.746 ng/ml  |
| 42) Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 43) Aroclor 1260 (1)   | 7.555 | 3665491  | 365.888 ng/ml |
| 44) Aroclor 1260 (2)   | 7.687 | 4606308  | 359.977 ng/ml |
| 45) Aroclor 1260 (3)   | 8.245 | 5549590  | 564.442 ng/ml |
| 46) Aroclor 1260 (4)   | 8.415 | 12448530 | 524.672 ng/ml |
| 47) Aroclor 1260 (5)   | 8.713 | 7438075  | 476.410 ng/ml |
| 48) Aroclor 1260 (6)   | 9.106 | 4024929  | 619.617 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 50) Aroclor 1262 (1)   | 7.687 | 4606308  | 507.757 ng/ml |
| 51) Aroclor 1262 (2)   | 8.012 | 6407040  | 503.023 ng/ml |
| 52) Aroclor 1262 (3)   | 8.245 | 5549590  | 498.644 ng/ml |
| 53) Aroclor 1262 (4)   | 8.415 | 12448530 | 520.994 ng/ml |
| 54) Aroclor 1262 (5)   | 8.713 | 7438075  | 513.581 ng/ml |
| 55) Aroclor 1262 (6)   | 9.106 | 4024929  | 527.095 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 57) Aroclor 1268 (1)   | 8.245 | 5549590  | 972.658 ng/ml |

511.849

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F021.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:00 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV3  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:18 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|-----|--------------------|-------|----------|---------------|
| 58) | Aroclor 1268 (2)   | 8.662 | 4429695  | 159.658 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.713 | 7438075  | 315.862 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.892 | 372482   | 17.290 ng/ml  |
| 61) | Aroclor 1268 (5)   | 9.106 | 4024929  | 476.855 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.369 | 1334978  | 20.712 ng/ml  |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |

(f)=RT Delta > 1/2 Window

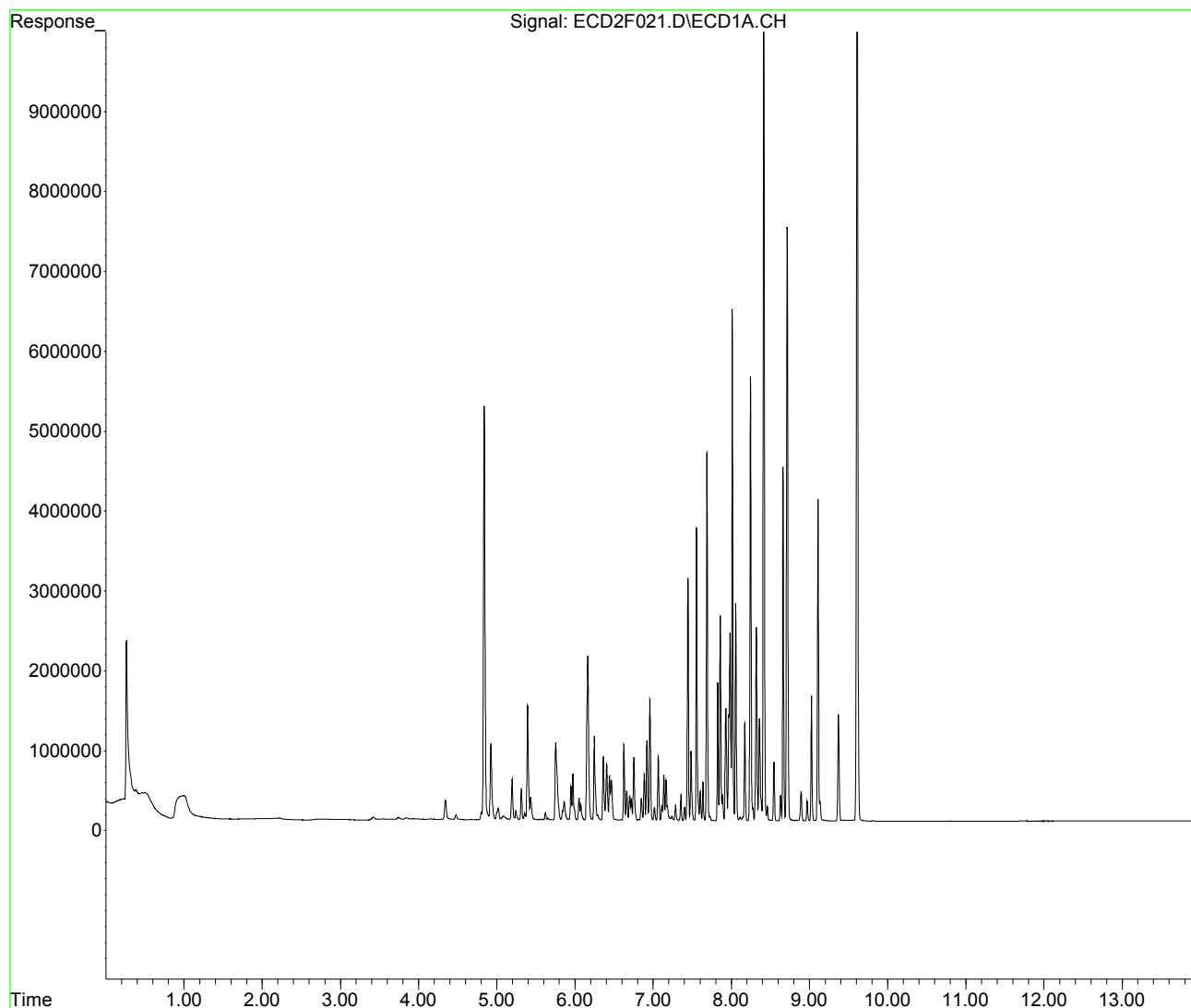
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F021.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 1:00 pm  
Operator : MJB / KAK  
Sample : 0G24014-ICV3  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:50:18 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F022.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:17 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:33 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.838 | 5533431  | 42.553 ng/ml   |
| 64) S DCBP (S)              | 9.608 | 5992448  | 42.163 ng/ml   |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.753 | 1670041  | 355.189 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.165 | 3825758  | 368.617 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.247 | 1927237  | 364.572 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.405 | 1383026  | 333.078 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.627 | 1836259  | 357.348 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.753 | 1622377  | 431.468 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.194 | 211596   | 121.726 ng/ml  |
| 10) Aroclor 1221 (2)        | 5.313 | 227908   | 204.882 ng/ml  |
| 11) Aroclor 1221 (3)        | 5.393 | 1063008  | 293.622 ng/ml  |
| 12) Aroclor 1221 (4)        | 5.862 | 201812   | 344.557 ng/ml  |
| 13) Aroclor 1221 (5)        | 6.165 | 3825758  | 5462.009 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.393 | 1063008  | 350.603 ng/ml  |
| 16) Aroclor 1232 (2)        | 6.165 | 3825758  | 972.995 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.247 | 1927237  | 883.299 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.405 | 1383026  | 1072.449 ng/ml |
| 19) Aroclor 1232 (5)        | 6.627 | 1836259  | 1004.296 ng/ml |
| 20) Aroclor 1232 (6)        | 6.753 | 1622377  | 1054.870 ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.753 | 1670041  | 476.716 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.165 | 3825758  | 509.919 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.247 | 1927237  | 484.858 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.405 | 1383026  | 528.777 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.627 | 1836259  | 490.037 ng/ml  |

497.560

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F022.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:17 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:33 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6)   | 6.753 | 1622377  | 495.054 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 29) Aroclor 1248 (1)   | 6.165 | 3825758  | 827.365 ng/ml |
| 30) Aroclor 1248 (2)   | 6.405 | 1383026  | 275.776 ng/ml |
| 31) Aroclor 1248 (3)   | 6.627 | 1836259  | 300.509 ng/ml |
| 32) Aroclor 1248 (4)   | 6.920 | 1941276  | 264.951 ng/ml |
| 33) Aroclor 1248 (5)   | 6.959 | 2183374  | 277.187 ng/ml |
| 34) Aroclor 1248 (6)   | 7.435 | 641538   | 163.116 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 36) Aroclor 1254 (1)   | 6.959 | 2183374  | 309.342 ng/ml |
| 37) Aroclor 1254 (2)   | 7.064 | 449926   | 52.707 ng/ml  |
| 38) Aroclor 1254 (3)   | 7.435 | 641538   | 47.339 ng/ml  |
| 39) Aroclor 1254 (4)   | 7.600 | 460106   | 49.697 ng/ml  |
| 40) Aroclor 1254 (5)   | 7.982 | 85121    | 9.219 ng/ml   |
| 41) Aroclor 1254 (6)   | 8.274 | 40282    | 13.410 ng/ml  |
| 42) Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 43) Aroclor 1260 (1)   | 7.559 | 103522   | 10.334 ng/ml  |
| 44) Aroclor 1260 (2)   | 7.687 | 86851    | 6.787 ng/ml   |
| 45) Aroclor 1260 (3)   | 8.236 | 3049550  | 310.166 ng/ml |
| 46) Aroclor 1260 (4)   | 8.413 | 1410934  | 59.467 ng/ml  |
| 47) Aroclor 1260 (5)   | 8.709 | 12283212 | 786.742 ng/ml |
| 48) Aroclor 1260 (6)   | 9.106 | 4711193  | 725.264 ng/ml |
| 49) Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 50) Aroclor 1262 (1)   | 7.687 | 86851    | 9.574 ng/ml   |
| 51) Aroclor 1262 (2)   | 8.012 | 2505791  | 196.732 ng/ml |
| 52) Aroclor 1262 (3)   | 8.236 | 3049550  | 274.009 ng/ml |
| 53) Aroclor 1262 (4)   | 8.413 | 1410934  | 59.050 ng/ml  |
| 54) Aroclor 1262 (5)   | 8.709 | 12283212 | 848.126 ng/ml |
| 55) Aroclor 1262 (6)   | 9.106 | 4711193  | 616.967 ng/ml |
| 56) Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 57) Aroclor 1268 (1)   | 8.236 | 3049550  | 534.484 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
 Data File : ECD2F022.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:17 pm  
 Operator : MJB / KAK  
 Sample : 0G24014-ICV4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:33 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |         |
|-----|--------------------|-------|----------|---------------|---------|
| 58) | Aroclor 1268 (2)   | 8.662 | 14700069 | 529.829 ng/ml |         |
| 59) | Aroclor 1268 (3)   | 8.709 | 12283212 | 521.614 ng/ml |         |
| 60) | Aroclor 1268 (4)   | 8.892 | 11329528 | 525.888 ng/ml | 531.178 |
| 61) | Aroclor 1268 (5)   | 9.106 | 4711193  | 558.161 ng/ml |         |
| 62) | Aroclor 1268 (6)   | 9.369 | 33328190 | 517.091 ng/ml |         |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml    |         |

(f)=RT Delta > 1/2 Window

(m)=manual int.

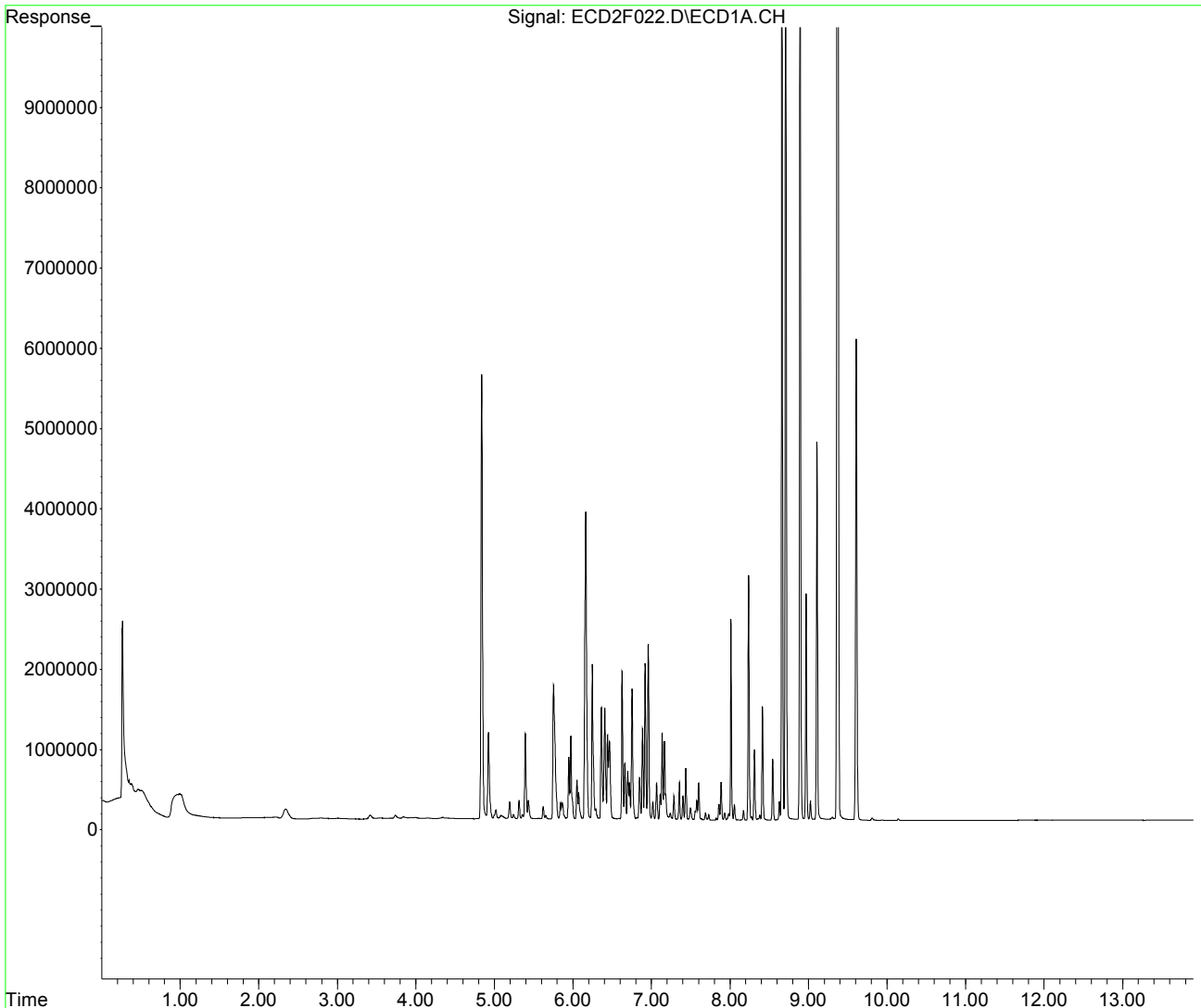


Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F022.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 1:17 pm  
Operator : MJB / KAK  
Sample : 0G24014-ICV4  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:50:33 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\  
 Data File : ECD2F023.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:35 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV5  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:50 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.834 | 4523     | 0.035 ng/ml    |
| 64) S DCBP (S)              | 9.609 | 8661     | 0.061 ng/ml    |
| Target Compounds            |       |          |                |
| 2) Aroclor 1016 (1)         | 5.752 | 882322   | 187.655 ng/ml  |
| 3) Aroclor 1016 (2)         | 6.165 | 2157882  | 207.915 ng/ml  |
| 4) Aroclor 1016 (3)         | 6.247 | 1125985  | 213.000 ng/ml  |
| 5) Aroclor 1016 (4)         | 6.405 | 2462056  | 592.944 ng/ml  |
| 6) Aroclor 1016 (5)         | 6.627 | 3179797  | 618.809 ng/ml  |
| 7) Aroclor 1016 (6)         | 6.753 | 2485599  | 661.041 ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 5.194 | 28345    | 16.306 ng/ml   |
| 10) Aroclor 1221 (2)        | 5.313 | 21059    | 18.931 ng/ml   |
| 11) Aroclor 1221 (3)        | 5.393 | 123677   | 34.162 ng/ml   |
| 12) Aroclor 1221 (4)        | 5.863 | 30557    | 52.170 ng/ml   |
| 13) Aroclor 1221 (5)        | 6.165 | 2157882  | 3080.795 ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 5.393 | 123677   | 40.791 ng/ml   |
| 16) Aroclor 1232 (2)        | 6.165 | 2157882  | 548.808 ng/ml  |
| 17) Aroclor 1232 (3)        | 6.247 | 1125985  | 516.066 ng/ml  |
| 18) Aroclor 1232 (4)        | 6.405 | 2462056  | 1909.168 ng/ml |
| 19) Aroclor 1232 (5)        | 6.627 | 3179797  | 1739.110 ng/ml |
| 20) Aroclor 1232 (6)        | 6.753 | 2485599  | 1616.137 ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 5.752 | 882322   | 251.860 ng/ml  |
| 23) Aroclor 1242 (2)        | 6.165 | 2157882  | 287.615 ng/ml  |
| 24) Aroclor 1242 (3)        | 6.247 | 1125985  | 283.278 ng/ml  |
| 25) Aroclor 1242 (4)        | 6.405 | 2462056  | 941.326 ng/ml  |
| 26) Aroclor 1242 (5)        | 6.627 | 3179797  | 848.583 ng/ml  |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F023.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:35 pm  
 Operator : MJB / KAK  
 Sample : OG24014-ICV5  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:50 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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    |
|------------------------|-------|----------|---------------|
| 27) Aroclor 1242 (6)   | 6.753 | 2485599  | 758.458 ng/ml |
| 28) Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 29) Aroclor 1248 (1)   | 6.165 | 2157882  | 466.668 ng/ml |
| 30) Aroclor 1248 (2)   | 6.405 | 2462056  | 490.935 ng/ml |
| 31) Aroclor 1248 (3)   | 6.627 | 3179797  | 520.383 ng/ml |
| 32) Aroclor 1248 (4)   | 6.921 | 3861621  | 527.046 ng/ml |
| 33) Aroclor 1248 (5)   | 6.959 | 4215139  | 535.127 ng/ml |
| 34) Aroclor 1248 (6)   | 7.436 | 2104608  | 535.112 ng/ml |
| 35) Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 36) Aroclor 1254 (1)   | 6.959 | 4215139  | 597.205 ng/ml |
| 37) Aroclor 1254 (2)   | 7.065 | 1229803  | 144.067 ng/ml |
| 38) Aroclor 1254 (3)   | 7.436 | 2104608  | 155.297 ng/ml |
| 39) Aroclor 1254 (4)   | 7.601 | 1500035  | 162.023 ng/ml |
| 40) Aroclor 1254 (5)   | 7.982 | 344121   | 37.271 ng/ml  |
| 41) Aroclor 1254 (6)   | 8.275 | 136364   | 45.398 ng/ml  |
| 42) Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 43) Aroclor 1260 (1)   | 7.559 | 312178   | 31.161 ng/ml  |
| 44) Aroclor 1260 (2)   | 7.687 | 193950   | 15.157 ng/ml  |
| 45) Aroclor 1260 (3)   | 8.245 | 32955    | 3.352 ng/ml   |
| 46) Aroclor 1260 (4)   | 8.414 | 76501    | 3.224 ng/ml   |
| 47) Aroclor 1260 (5)   | 8.713 | 66572    | 4.264 ng/ml   |
| 48) Aroclor 1260 (6)   | 9.106 | 19636    | 3.023 ng/ml   |
| 49) Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 50) Aroclor 1262 (1)   | 7.687 | 193950   | 21.379 ng/ml  |
| 51) Aroclor 1262 (2)   | 8.012 | 32778    | 2.573 ng/ml   |
| 52) Aroclor 1262 (3)   | 8.245 | 32955    | 2.961 ng/ml   |
| 53) Aroclor 1262 (4)   | 8.414 | 76501    | 3.202 ng/ml   |
| 54) Aroclor 1262 (5)   | 8.713 | 66572    | 4.597 ng/ml   |
| 55) Aroclor 1262 (6)   | 9.106 | 19636    | 2.571 ng/ml   |
| 56) Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml    |
| 57) Aroclor 1268 (1)   | 8.245 | 32955    | 5.776 ng/ml   |

512.545

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
 Data File : ECD2F023.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 1:35 pm  
 Operator : MJB / KAK  
 Sample : 0G24014-ICV5  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:50:50 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|-------------|
| 58) | Aroclor 1268 (2)   | 8.662 | 22330    | 0.805 ng/ml |
| 59) | Aroclor 1268 (3)   | 8.713 | 66572    | 2.827 ng/ml |
| 60) | Aroclor 1268 (4)   | 8.891 | 7398     | 0.343 ng/ml |
| 61) | Aroclor 1268 (5)   | 9.106 | 19636    | 2.326 ng/ml |
| 62) | Aroclor 1268 (6)   | 9.368 | 16228    | 0.252 ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml  |

(f)=RT Delta > 1/2 Window

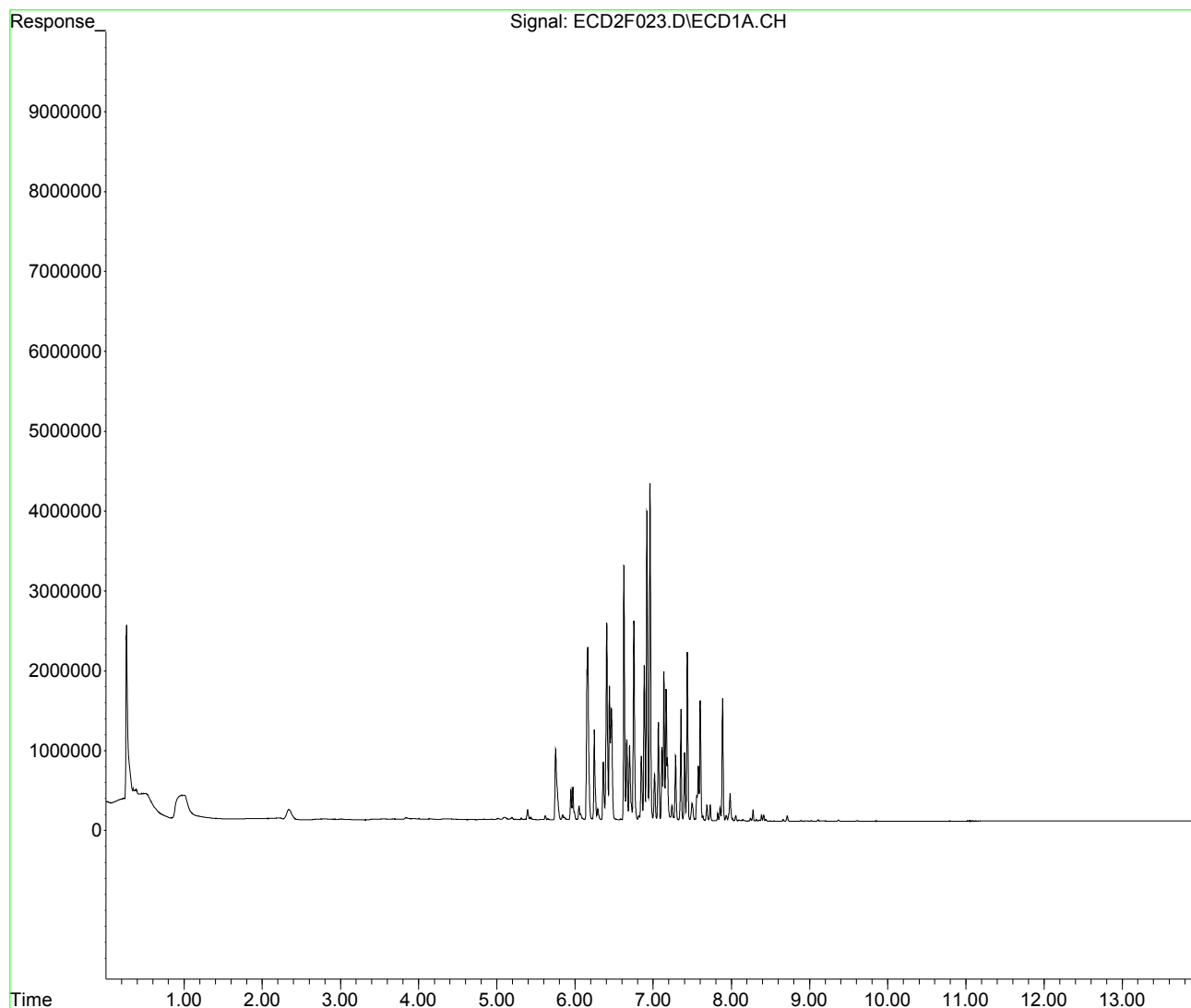
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F023.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 1:35 pm  
Operator : MJB / KAK  
Sample : 0G24014-ICV5  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:50:50 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:34:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 1203182  | 9.253 ng/ml  |   |
| 64) S DCBP (S)              | 9.611 | 1383828  | 9.737 ng/ml  | ✓ |
| Target Compounds            |       |          |              |   |
| 2) Aroclor 1016 (1)         | 5.754 | 115250   | 24.512 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.167 | 227377   | 21.908 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.248 | 125737   | 23.786 ng/ml | ✓ |
| 5) Aroclor 1016 (4)         | 6.406 | 98411    | 23.701 ng/ml |   |
| 6) Aroclor 1016 (5)         | 6.628 | 117685   | 22.902 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.754 | 86825    | 23.091 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml   |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml   |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml   |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml   |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml   |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml   |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml   |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml   |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml   |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml   |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:34:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|--------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.556 | 226126   | 22.572 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 282669   | 22.090 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 221198   | 22.498 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 488432   | 20.586 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 325394   | 20.842 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.108 | 150865   | 23.225 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.   | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.   | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:34:47 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

(m)=manual int.

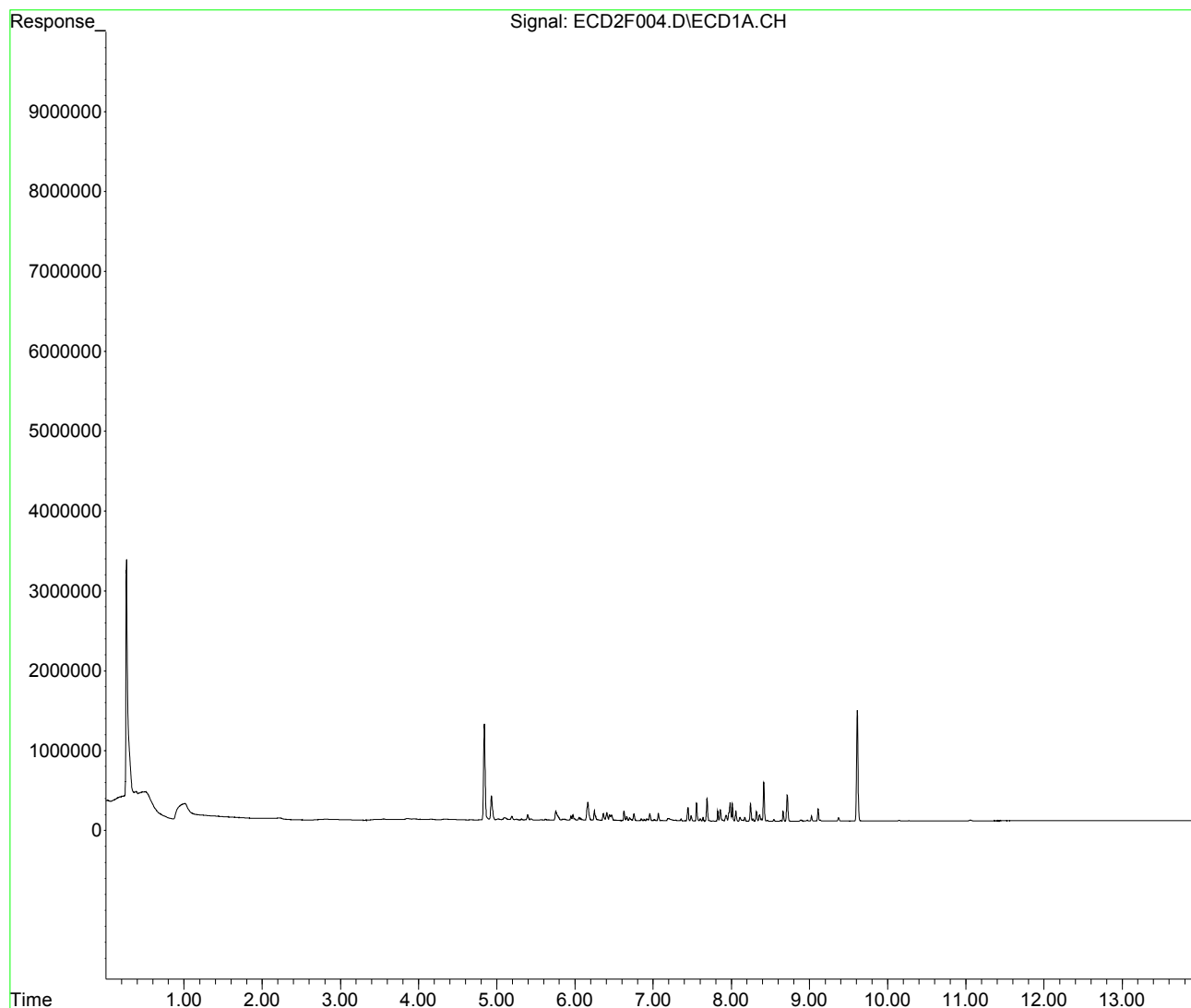


Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F004.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:00 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL1  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:34:47 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:35:56 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 3091836  | 23.776 ng/ml |   |
| 64) S DCBP (S)              | 9.609 | 3458337  | 24.333 ng/ml | ✓ |
| Target Compounds            |       |          |              |   |
| 2) Aroclor 1016 (1)         | 5.754 | 257062   | 54.673 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.167 | 538255   | 51.862 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.248 | 281304   | 53.214 ng/ml | ✓ |
| 5) Aroclor 1016 (4)         | 6.406 | 229420   | 55.252 ng/ml |   |
| 6) Aroclor 1016 (5)         | 6.628 | 268688   | 52.288 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.754 | 201535   | 53.598 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml   |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml   |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml   |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml   |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml   |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml   |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml   |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml   |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml   |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml   |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml   |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml   |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml   |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:35:56 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.555 | 545212   | 54.423 | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.688 | 657410   | 51.376 | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.245 | 504109   | 51.272 | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.415 | 1196004  | 50.408 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.714 | 773241   | 49.526 | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.107 | 337544   | 51.963 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.   | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:35:56 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

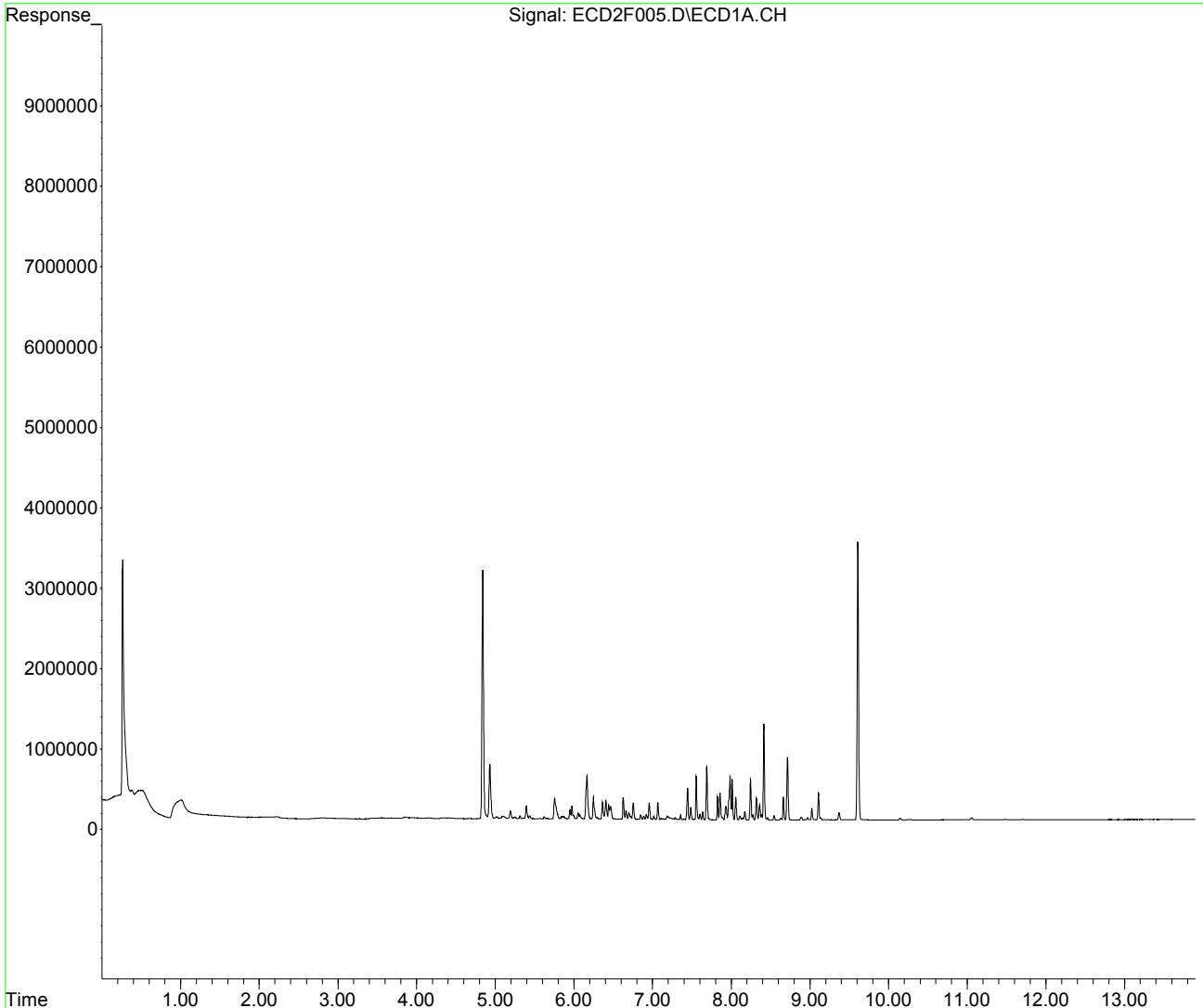
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F005.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:18 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:35:56 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:36:52 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.838 | 6421878  | 49.385 ng/ml  |   |
| 64) S DCBP (S)              | 9.608 | 6938936  | 48.822 ng/ml  | ✓ |
| Target Compounds            |       |          |               |   |
| 2) Aroclor 1016 (1)         | 5.753 | 478057   | 101.674 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.166 | 1040342  | 100.238 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.246 | 535398   | 101.280 ng/ml |   |
| 5) Aroclor 1016 (4)         | 6.405 | 434474   | 104.636 ng/ml | ✓ |
| 6) Aroclor 1016 (5)         | 6.626 | 512843   | 99.803 ng/ml  |   |
| 7) Aroclor 1016 (6)         | 6.752 | 375578   | 99.884 ng/ml  |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml    |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml    |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml    |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\requant\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:36:52 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.554 | 993075   | 99.128  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.687 | 1287057  | 100.582 | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.244 | 976923   | 99.362  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.414 | 2251690  | 94.903  | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.714 | 1562533  | 100.081 | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.106 | 643202   | 99.018  | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:36:52 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

(m)=manual int.

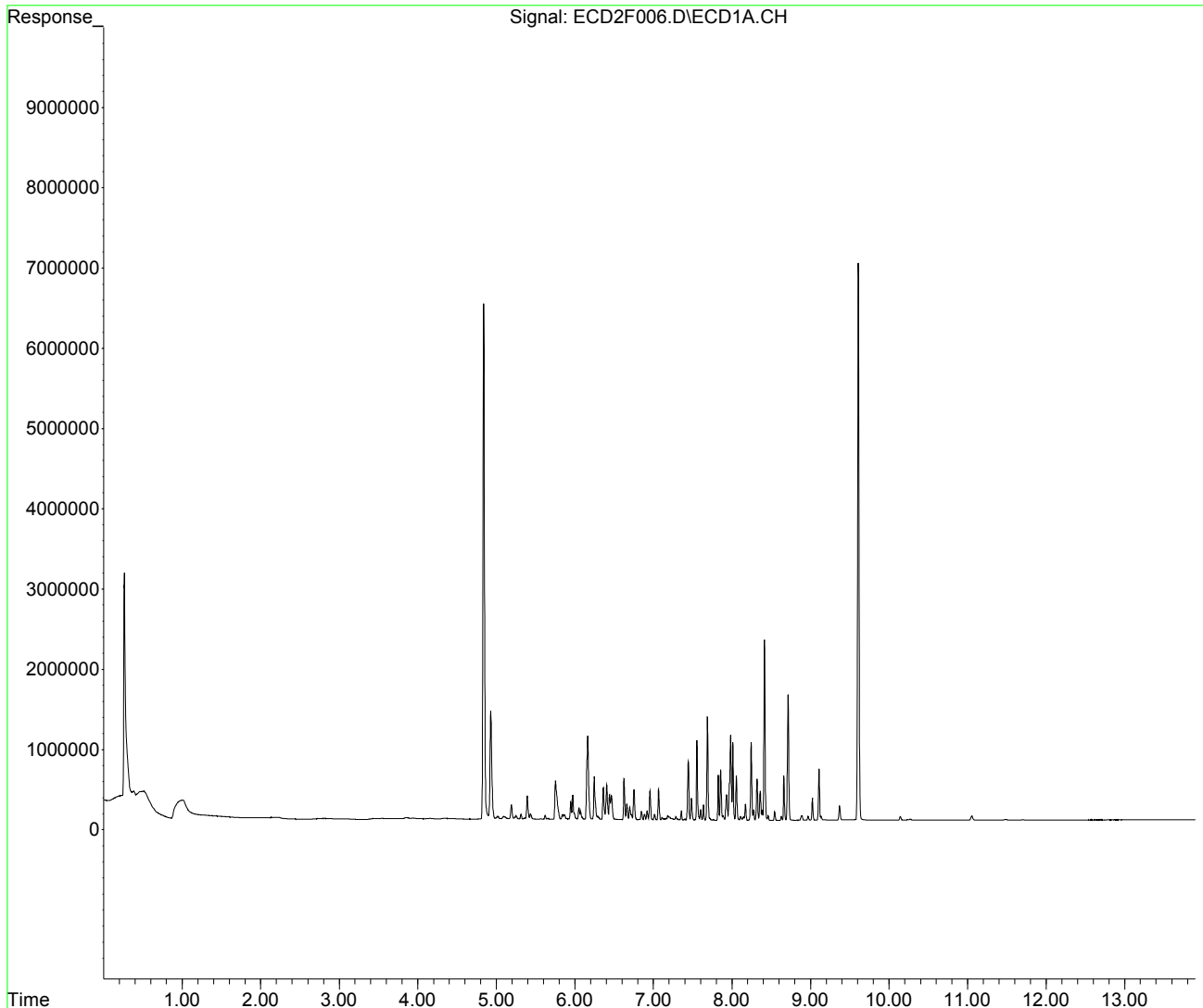


Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F006.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:35 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL3  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:36:52 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\OG24014\requant\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:37:58 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.839 | 13142702 | 101.069 ng/ml |   |
| 64) S DCBP (S)              | 9.610 | 13884524 | 97.692 ng/ml  | ✓ |
| Target Compounds            |       |          |               |   |
| 2) Aroclor 1016 (1)         | 5.754 | 902963   | 192.045 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.167 | 2014883  | 194.137 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.248 | 1002091  | 189.564 ng/ml |   |
| 5) Aroclor 1016 (4)         | 6.406 | 793823   | 191.179 ng/ml | ✓ |
| 6) Aroclor 1016 (5)         | 6.629 | 1005864  | 195.748 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.755 | 724356   | 192.641 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml    |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml    |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml    |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:37:58 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|---------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.556 | 1960129  | 195.659 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 2484917  | 194.193 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 1926263  | 195.918 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 4688275  | 197.598 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.715 | 3099486  | 198.523 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.107 | 1281762  | 197.321 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\requant\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:37:58 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

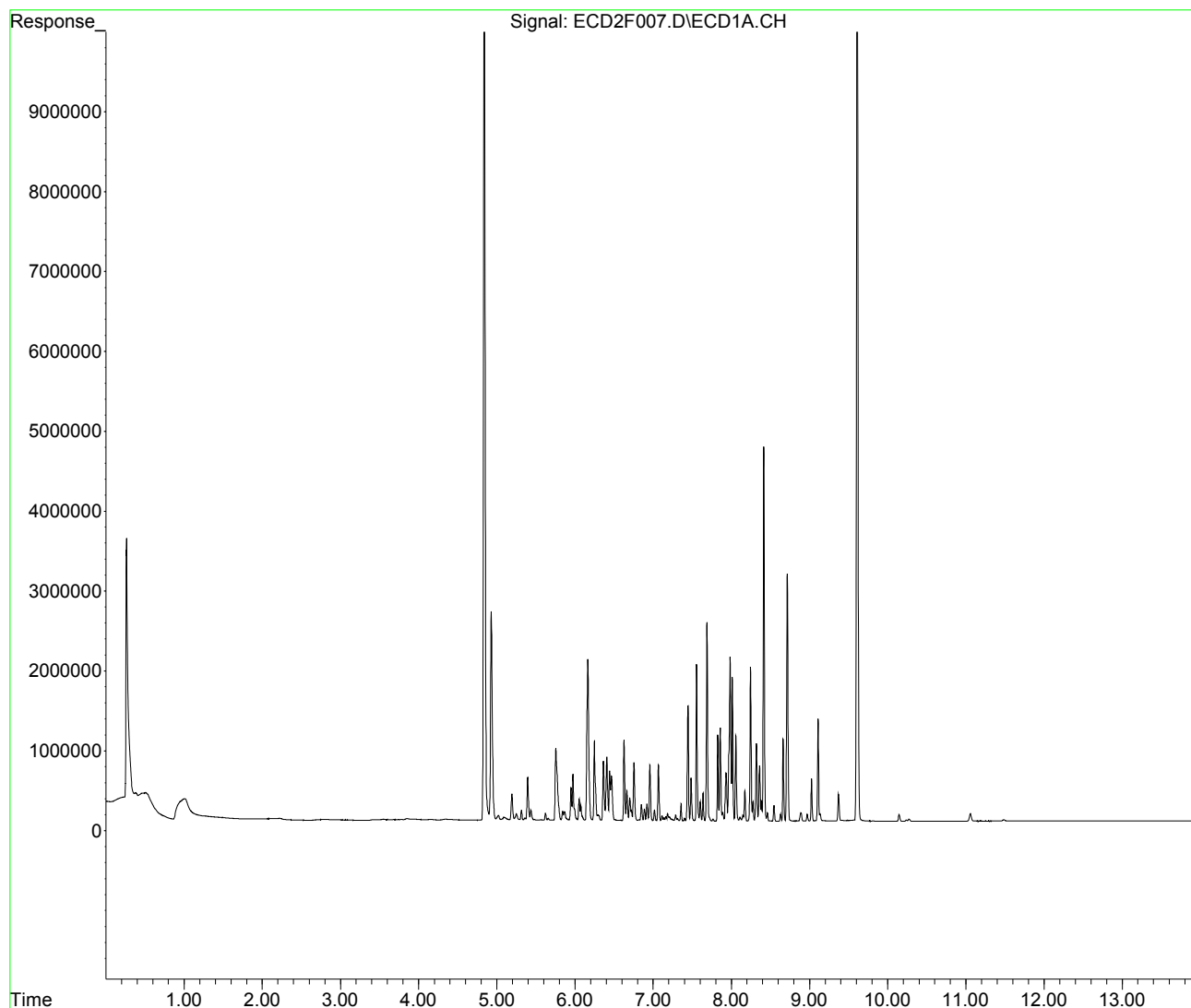
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F007.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:53 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL4  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:37:58 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:38:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.839 | 31718215 | 243.916 ng/ml |   |
| 64) S DCBP (S)              | 9.610 | 34725865 | 244.331 ng/ml | ✓ |
| Target Compounds            |       |          |               |   |
| 2) Aroclor 1016 (1)         | 5.754 | 2152914  | 457.888 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.167 | 5001187  | 481.871 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.247 | 2494995  | 471.973 ng/ml | ✓ |
| 5) Aroclor 1016 (4)         | 6.405 | 1889410  | 455.032 ng/ml |   |
| 6) Aroclor 1016 (5)         | 6.628 | 2452080  | 477.191 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.754 | 1804662  | 479.947 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml    |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml    |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml    |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:38:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|---------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.556 | 4722080  | 471.356 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 6130699  | 479.106 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 4575243  | 465.342 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 11506833 | 484.982 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 7454287  | 477.448 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.107 | 2974195  | 457.862 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:38:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

(m)=manual int.

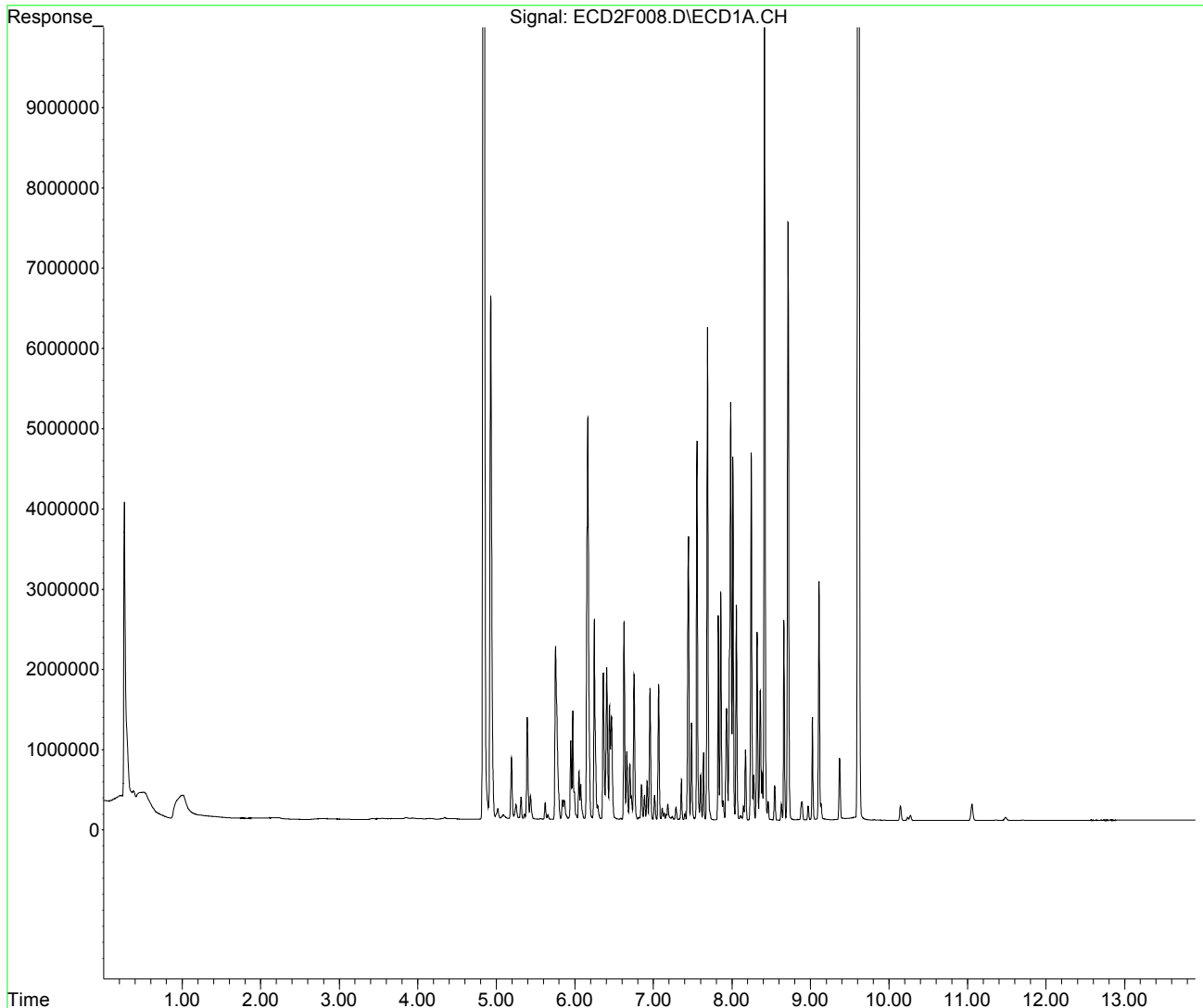


Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F008.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:11 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL5  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:38:55 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

KAK 7/27/2020

Integration File: PCB1.e  
 Quant Time: Jul 27 07:39:48 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.839 | 68493948 | 526.725 ng/ml |   |
| 64) S DCBP (S)              | 9.610 | 74515427 | 524.291 ng/ml | ✓ |
| Target Compounds            |       |          |               |   |
| 2) Aroclor 1016 (1)         | 5.753 | 4237008  | 901.139 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.166 | 10005200 | 964.014 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.247 | 4838004  | 915.196 ng/ml |   |
| 5) Aroclor 1016 (4)         | 6.405 | 3870392  | 932.117 ng/ml | ✓ |
| 6) Aroclor 1016 (5)         | 6.627 | 4858815  | 945.557 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.754 | 3489242  | 927.958 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml    |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml    |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml    |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml    |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml    |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml    |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml    |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml    |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml    |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml    |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:39:48 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|----------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.     | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.     | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.     | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.     | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.     | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.     | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.     | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.     | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.     | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.     | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.     | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.     | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.     | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.555 | 9469655  | 945.258  | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.688 | 12557321 | 981.337  | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.246 | 9623588  | 978.804  | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.415 | 24568141 | 1035.481 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.715 | 15379429 | 985.055  | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.107 | 6042358  | 930.189  | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.     | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.     | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.     | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.     | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.     | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.     | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.     | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:39:48 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

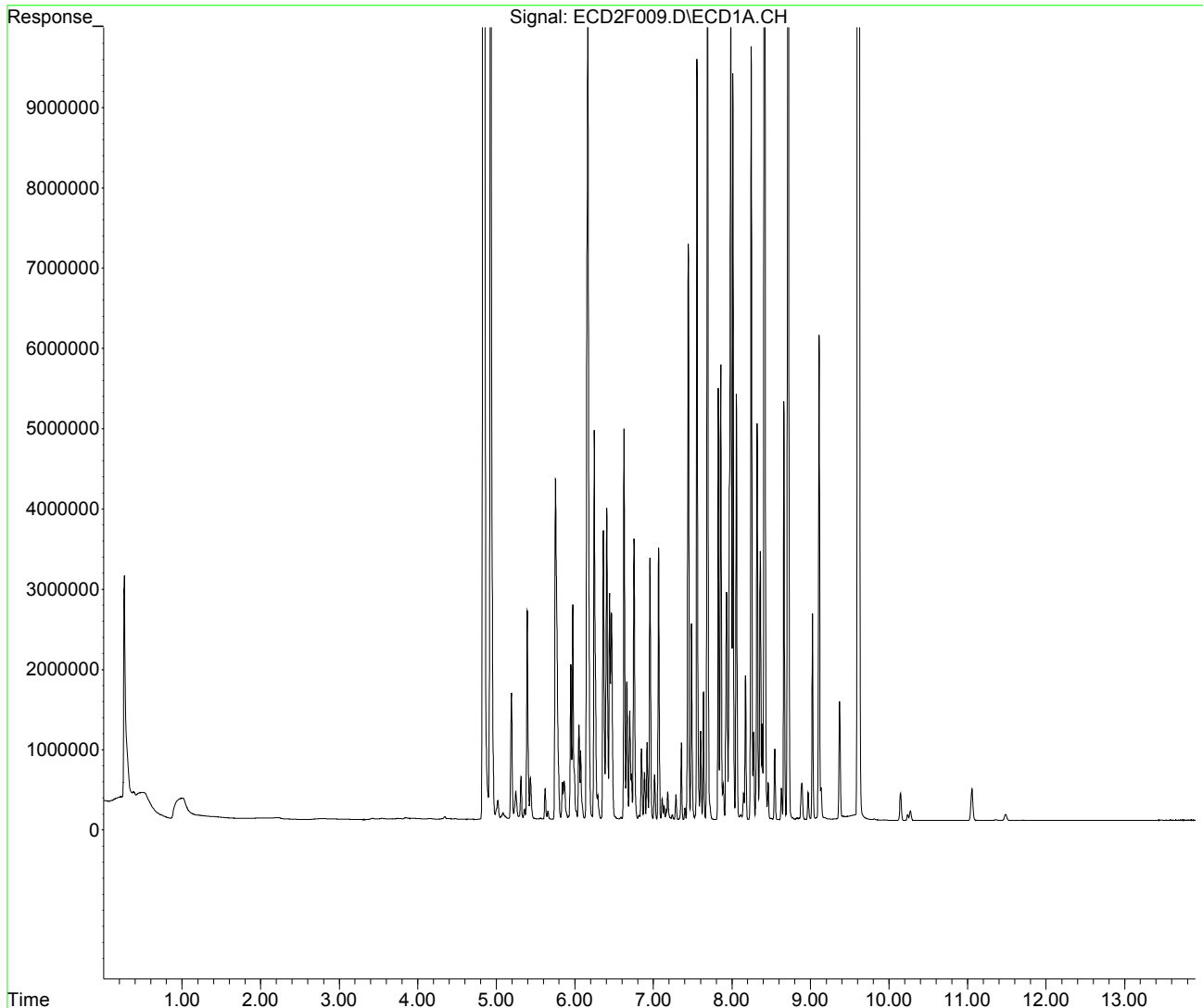
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F009.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:28 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL6  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:39:48 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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\0G24014\requant\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 27 07:40:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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)               | 4.840 | 114036493 | 876.951 ng/ml  |   |
| 64) S DCBP (S)              | 9.611 | 122086930 | 859.004 ng/ml  | ✓ |
| Target Compounds            |       |           |                |   |
| 2) Aroclor 1016 (1)         | 5.753 | 6256347   | 1330.617 ng/ml |   |
| 3) Aroclor 1016 (2)         | 6.166 | 15047162  | 1449.814 ng/ml |   |
| 4) Aroclor 1016 (3)         | 6.247 | 7348101   | 1390.026 ng/ml | ✓ |
| 5) Aroclor 1016 (4)         | 6.405 | 5390703   | 1298.258 ng/ml |   |
| 6) Aroclor 1016 (5)         | 6.627 | 7186871   | 1398.612 ng/ml |   |
| 7) Aroclor 1016 (6)         | 6.753 | 5209227   | 1385.385 ng/ml |   |
| 8) Aroclor 1016 - AVE       | 0.000 | 0         | N.D. ng/ml     |   |
| 9) Aroclor 1221 (1)         | 0.000 | 0         | N.D. ng/ml     |   |
| 10) Aroclor 1221 (2)        | 0.000 | 0         | N.D. ng/ml     |   |
| 11) Aroclor 1221 (3)        | 0.000 | 0         | N.D. ng/ml     |   |
| 12) Aroclor 1221 (4)        | 0.000 | 0         | N.D. ng/ml     |   |
| 13) Aroclor 1221 (5)        | 0.000 | 0         | N.D. ng/ml     |   |
| 14) Aroclor 1221 - AVE      | 0.000 | 0         | N.D. ng/ml     |   |
| 15) Aroclor 1232 (1)        | 0.000 | 0         | N.D. ng/ml     |   |
| 16) Aroclor 1232 (2)        | 0.000 | 0         | N.D. ng/ml     |   |
| 17) Aroclor 1232 (3)        | 0.000 | 0         | N.D. ng/ml     |   |
| 18) Aroclor 1232 (4)        | 0.000 | 0         | N.D. ng/ml     |   |
| 19) Aroclor 1232 (5)        | 0.000 | 0         | N.D. ng/ml     |   |
| 20) Aroclor 1232 (6)        | 0.000 | 0         | N.D. ng/ml     |   |
| 21) Aroclor 1232 - AVE      | 0.000 | 0         | N.D. ng/ml     |   |
| 22) Aroclor 1242 (1)        | 0.000 | 0         | N.D. ng/ml     |   |
| 23) Aroclor 1242 (2)        | 0.000 | 0         | N.D. ng/ml     |   |
| 24) Aroclor 1242 (3)        | 0.000 | 0         | N.D. ng/ml     |   |
| 25) Aroclor 1242 (4)        | 0.000 | 0         | N.D. ng/ml     |   |
| 26) Aroclor 1242 (5)        | 0.000 | 0         | N.D. ng/ml     |   |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:40:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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  |
|-----|--------------------|-------|----------|----------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.555 | 13906052 | 1388.098 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.687 | 18266111 | 1427.471 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 14260857 | 1450.455 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 36303716 | 1530.103 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 24216004 | 1551.039 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.108 | 9517733  | 1465.205 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.     | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : 0G24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 27 07:40:49 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Mon Jul 27 07:21:56 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

(m)=manual int.

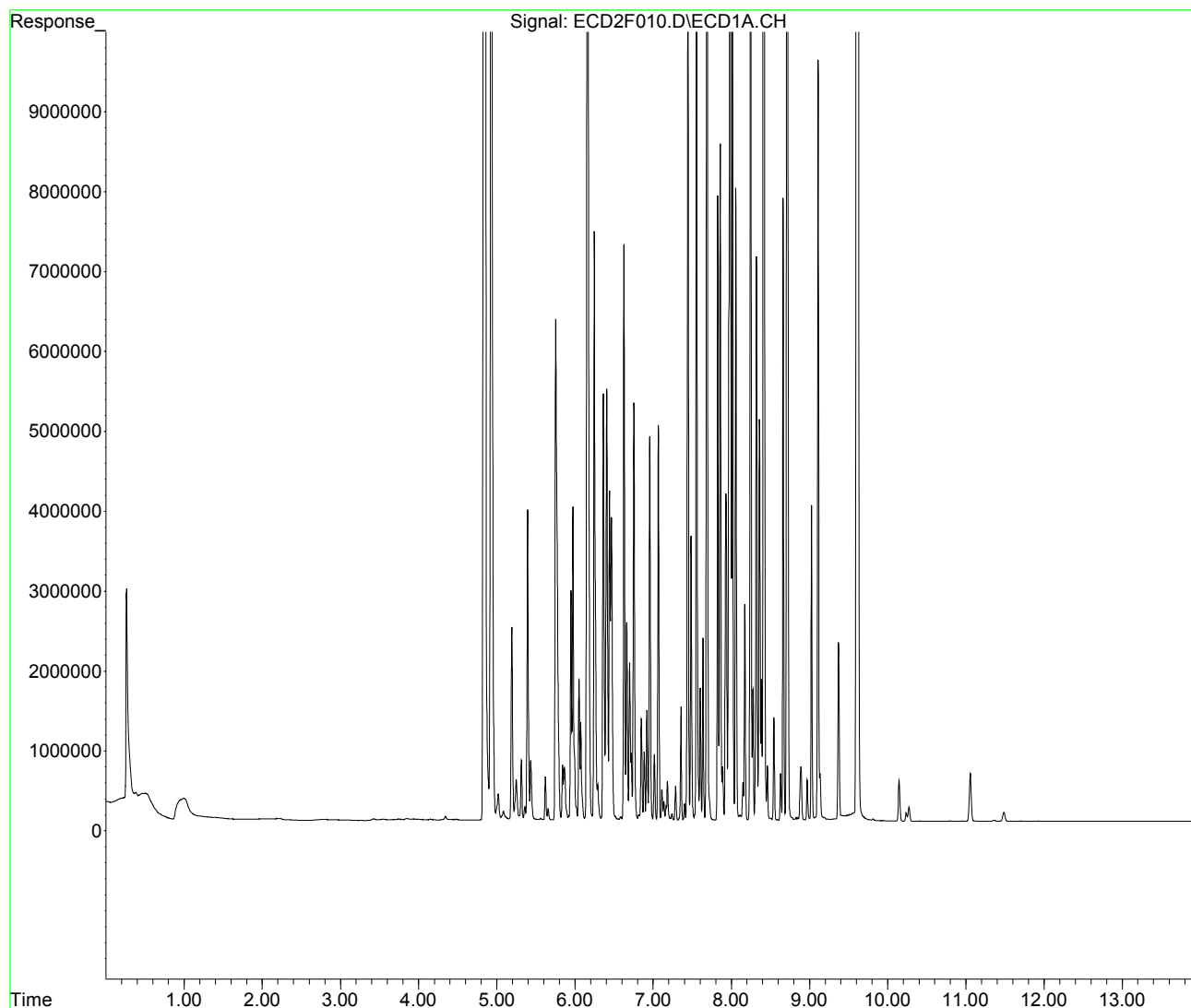


Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\requant\  
Data File : ECD2F010.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:46 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL7  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 27 07:40:49 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Mon Jul 27 07:21:56 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



## 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   | 0G24014-ICB1 | E2A21015 | 1   | Sample     |           |          |
| 4    | Vial 3   | 0G24014-CAL1 | E2A21015 | 1   | Sample     |           |          |
| 5    | Vial 4   | 0G24014-CAL2 | E2A21015 | 1   | Sample     |           |          |
| 6    | Vial 5   | 0G24014-CAL3 | E2A21015 | 1   | Sample     |           |          |
| 7    | Vial 6   | 0G24014-CAL4 | E2A21015 | 1   | Sample     |           |          |
| 8    | Vial 7   | 0G24014-CAL5 | E2A21015 | 1   | Sample     |           |          |
| 9    | Vial 8   | 0G24014-CAL6 | E2A21015 | 1   | Sample     |           |          |
| 10   | Vial 9   | 0G24014-CAL7 | E2A21015 | 1   | Sample     |           |          |
| 11   | Vial 1   | 0G24014-IBL1 | E2A21015 | 1   | Sample     |           |          |
| 12   | Vial 10  | 0G24014-ICV1 | E2A21015 | 1   | Sample     |           |          |
| 13   | Vial 11  | 0G24014-CAL8 | E2A21015 | 1   | Sample     |           |          |
| 14   | Vial 12  | 0G24014-CAL9 | E2A21015 | 1   | Sample     |           |          |
| 15   | Vial 13  | 0G24014-CALA | E2A21015 | 1   | Sample     |           |          |
| 16   | Vial 14  | 0G24014-CALB | E2A21015 | 1   | Sample     |           |          |
| 17   | Vial 15  | 0G24014-CALC | E2A21015 | 1   | Sample     |           |          |
| 18   | Vial 16  | 0G24014-CALD | E2A21015 | 1   | Sample     |           |          |
| 19   | Vial 17  | 0G24014-CALE | E2A21015 | 1   | Sample     |           |          |
| 20   | Vial 18  | 0G24014-ICV2 | E2A21015 | 1   | Sample     |           |          |
| 21   | Vial 19  | 0G24014-ICV3 | E2A21015 | 1   | Sample     |           |          |
| 22   | Vial 20  | 0G24014-ICV4 | E2A21015 | 1   | Sample     |           |          |
| 23   | Vial 21  | 0G24014-ICV5 | E2A21015 | 1   | Sample     |           |          |
| 24   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |
| 25   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |
| 26   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |
| 27   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |
| 28   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |
| 29   | Vial 1   | Hexane       | E2A21015 | 1   | Sample     |           |          |

7/24/20

## 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 52  | 0G24015-CCV1 | E2A21015 | 1   | Sample     |           |          |
| 3    | Vial 53  | 0G24015-CCB1 | E2A21015 | 1   | Sample     |           |          |
| 4    | Vial 54  | 0070684-BLK1 | E2A21015 | 1   | Sample     |           |          |
| 5    | Vial 55  | 0070684-BS1  | E2A21015 | 1   | Sample     |           |          |
| 6    | Vial 56  | A0G0580-01   | E2A21015 | 1   | Sample     |           |          |
| 7    | Vial 51  | 0G24015-IBL1 | E2A21015 | 1   | Sample     |           |          |
| 8    | Vial 57  | 0070684-MS1  | E2A21015 | 1   | Sample     |           |          |
| 9    | Vial 51  | 0G24015-IBL2 | E2A21015 | 1   | Sample     |           |          |
| 10   | Vial 58  | 0070684-MSD1 | E2A21015 | 1   | Sample     |           |          |
| 11   | Vial 51  | 0G24015-IBL3 | E2A21015 | 1   | Sample     |           |          |
| 12   | Vial 59  | A0G0580-03   | E2A21015 | 1   | Sample     |           |          |
| 13   | Vial 51  | 0G24015-IBL4 | E2A21015 | 1   | Sample     |           |          |
| 14   | Vial 60  | A0G0580-04   | E2A21015 | 1   | Sample     |           |          |
| 15   | Vial 51  | 0G24015-IBL5 | E2A21015 | 1   | Sample     |           |          |
| 16   | Vial 52  | 0G24015-CCV2 | E2A21015 | 1   | Sample     |           |          |
| 17   | Vial 53  | 0G24015-CCB2 | E2A21015 | 1   | Sample     |           |          |
| 18   | Vial 61  | A0G0580-05   | E2A21015 | 1   | Sample     |           |          |
| 19   | Vial 51  | 0G24015-IBL6 | E2A21015 | 1   | Sample     |           |          |
| 20   | Vial 62  | A0G0580-06   | E2A21015 | 1   | Sample     |           |          |
| 21   | Vial 51  | 0G24015-IBL7 | E2A21015 | 1   | Sample     |           |          |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:47:40 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.840 | 1203182  | <del>8.471</del> ng/ml  |
| 64) S DCBP (S)              | 9.611 | 1383828  | <del>11.081</del> ng/ml |
| Target Compounds            |       |          |                         |
| 2) Aroclor 1016 (1)         | 5.754 | 115250   | <del>24.058</del> ng/ml |
| 3) Aroclor 1016 (2)         | 6.167 | 227377   | <del>22.533</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.248 | 125737   | <del>23.347</del> ng/ml |
| 5) Aroclor 1016 (4)         | 6.406 | 98411    | <del>24.633</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.628 | 117685   | <del>22.895</del> ng/ml |
| 7) Aroclor 1016 (6)         | 6.754 | 86825    | <del>22.959</del> ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml              |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml              |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml              |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml              |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml              |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml              |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml              |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml              |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml              |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml              |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:47:40 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|--------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.556 | 226126   | 23.553 | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.688 | 282669   | 23.858 | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.245 | 221198   | 23.844 | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.415 | 488432   | 22.336 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.714 | 325394   | 22.661 | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.108 | 150865   | 25.384 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.   | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.   | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.   | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.   | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.   | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.   | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.   | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.   | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F004.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:00 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:47:40 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

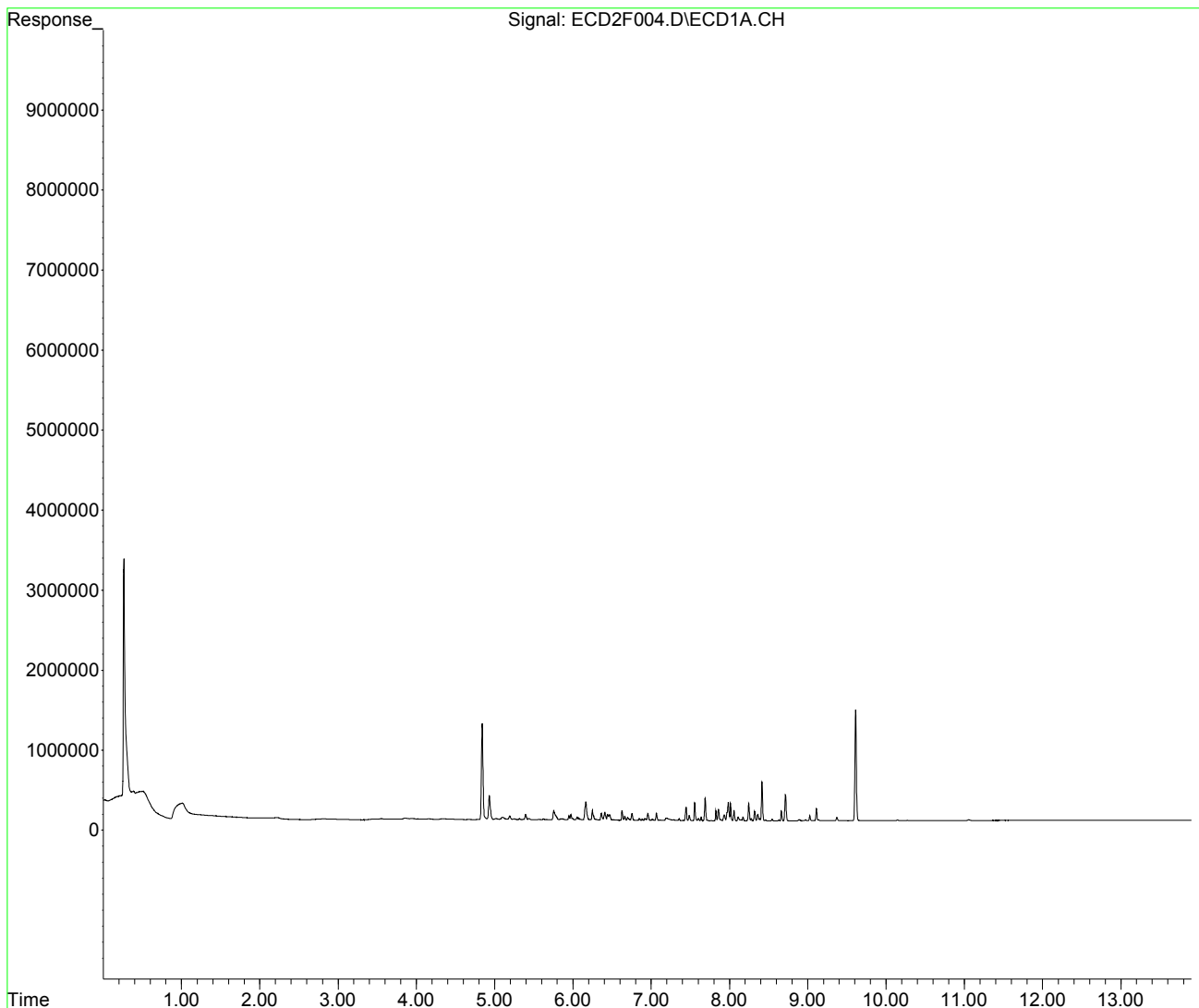
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F004.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:00 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL1  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:47:40 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:48:41 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.840 | 3091836  | <del>21.769</del> ng/ml |
| 64) S DCBP (S)              | 9.609 | 3458337  | <del>27.693</del> ng/ml |
| Target Compounds            |       |          |                         |
| 2) Aroclor 1016 (1)         | 5.754 | 257062   | <del>53.661</del> ng/ml |
| 3) Aroclor 1016 (2)         | 6.167 | 538255   | <del>53.341</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.248 | 281304   | <del>52.232</del> ng/ml |
| 5) Aroclor 1016 (4)         | 6.406 | 229420   | <del>57.426</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.628 | 268688   | <del>52.272</del> ng/ml |
| 7) Aroclor 1016 (6)         | 6.754 | 201535   | <del>53.292</del> ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml              |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml              |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml              |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml              |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml              |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml              |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml              |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml              |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml              |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml              |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml              |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml              |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml              |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:48:41 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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  |
|-----|--------------------|-------|----------|--------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.555 | 545212   | 56.788 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 657410   | 55.487 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 504109   | 54.339 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 1196004  | 54.694 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 773241   | 53.850 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.107 | 337544   | 56.795 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.   | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.   | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.   | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.   | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.   | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.   | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.   | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.   | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.   | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F005.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:18 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:48:41 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

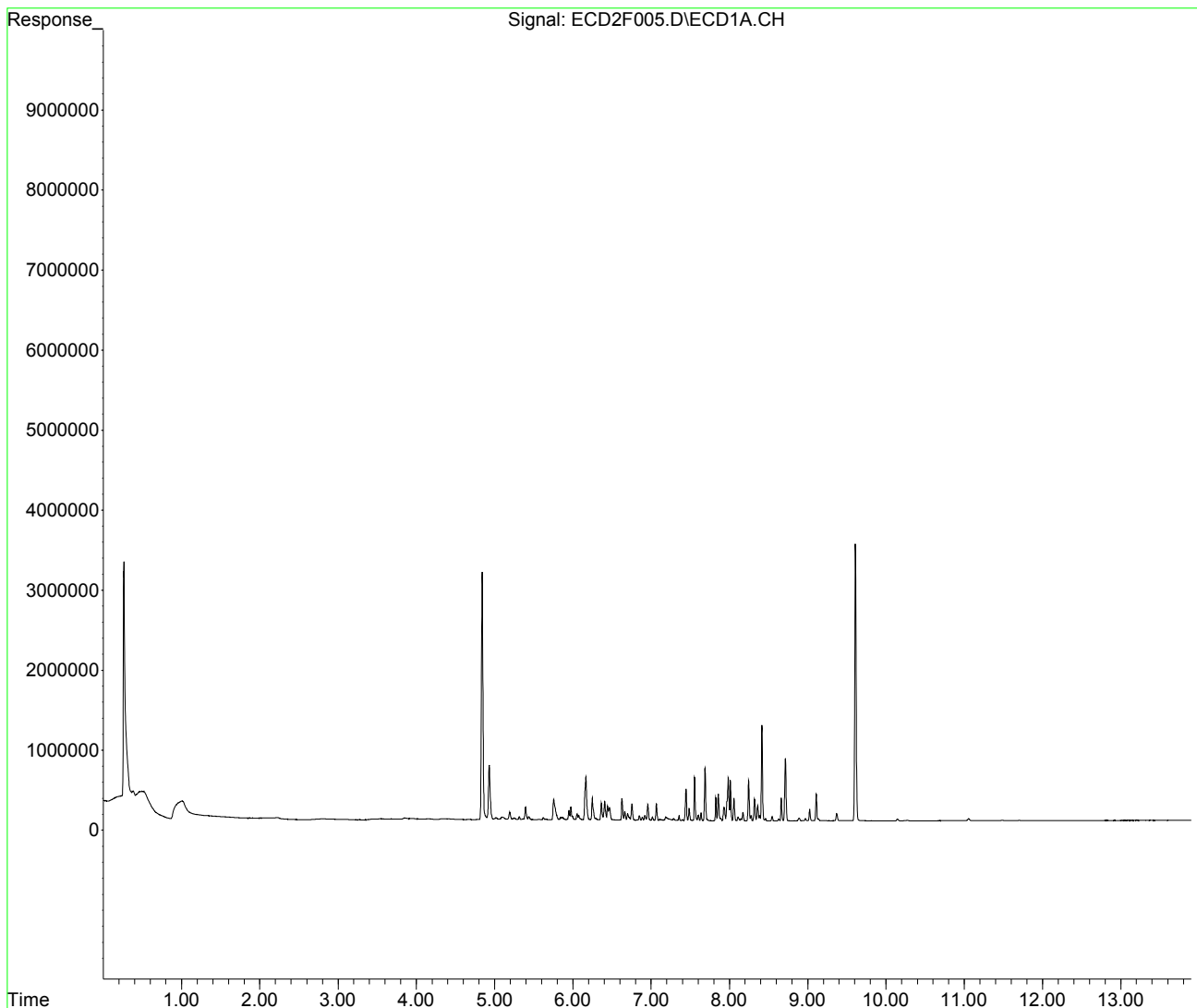
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F005.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:18 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:48:41 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:49:30 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.838 | 6421878  | <del>45.215</del> ng/ml  |
| 64) S DCBP (S)              | 9.608 | 6938936  | <del>55.565</del> ng/ml  |
| Target Compounds            |       |          |                          |
| 2) Aroclor 1016 (1)         | 5.753 | 478057   | <del>99.793</del> ng/ml  |
| 3) Aroclor 1016 (2)         | 6.166 | 1040342  | <del>103.097</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.246 | 535398   | <del>99.411</del> ng/ml  |
| 5) Aroclor 1016 (4)         | 6.405 | 434474   | <del>108.754</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.626 | 512843   | <del>99.772</del> ng/ml  |
| 7) Aroclor 1016 (6)         | 6.752 | 375578   | <del>99.315</del> ng/ml  |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml               |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml               |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml               |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml               |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:49:30 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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  |
|-----|--------------------|-------|----------|---------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.554 | 993075   | 103.436 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.687 | 1287057  | 108.631 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.244 | 976923   | 105.305 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.414 | 2251690  | 102.972 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 1562533  | 108.818 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.106 | 643202   | 108.225 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/mld |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F006.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:35 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL3  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:49:30 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

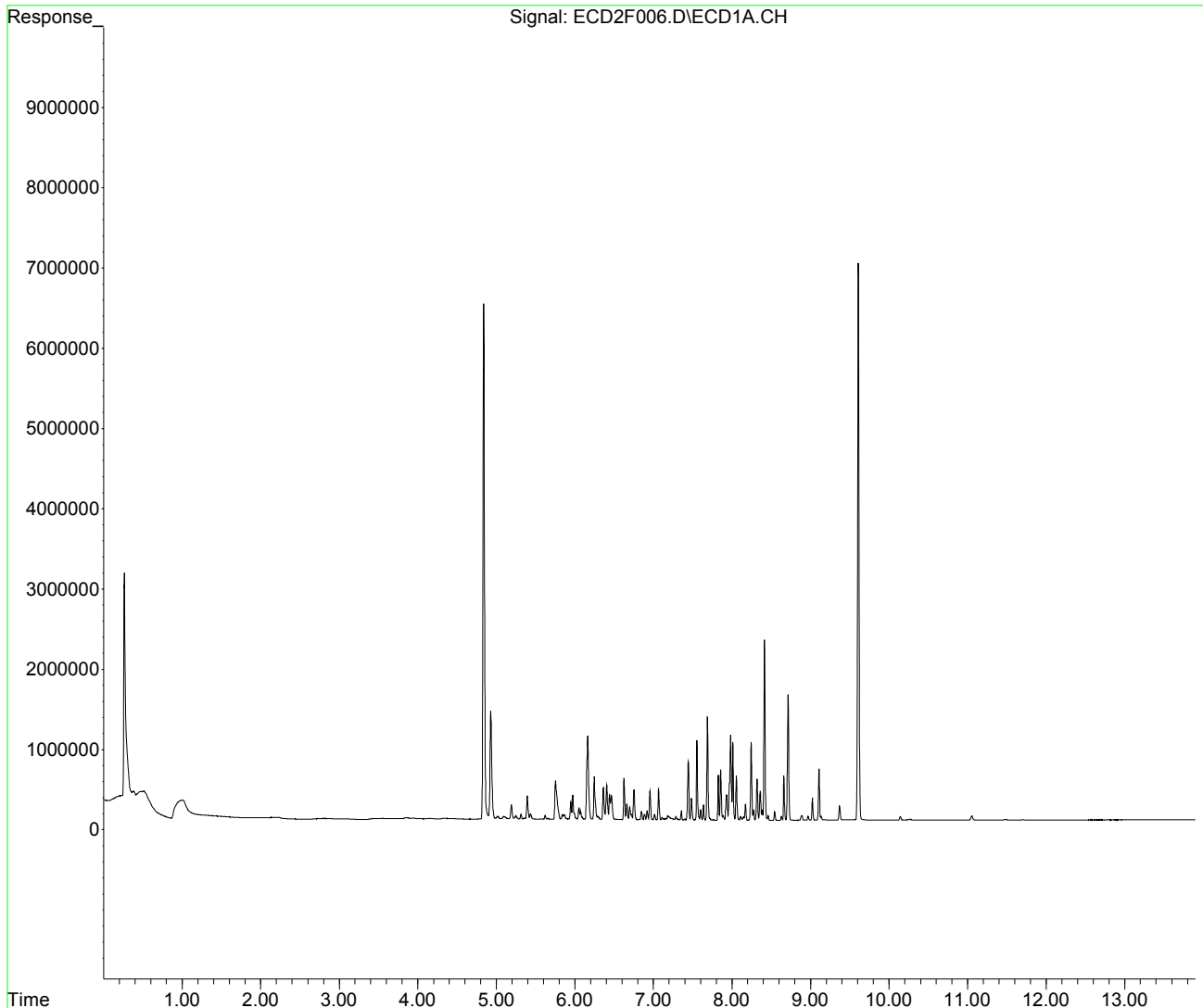
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F006.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:35 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL3  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:49:30 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:50:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.839 | 13142702 | <del>92.534</del> ng/ml  |
| 64) S DCBP (S)              | 9.610 | 13884524 | <del>111.183</del> ng/ml |
| Target Compounds            |       |          |                          |
| 2) Aroclor 1016 (1)         | 5.754 | 902963   | <del>188.491</del> ng/ml |
| 3) Aroclor 1016 (2)         | 6.167 | 2014883  | <del>199.674</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.248 | 1002091  | <del>186.065</del> ng/ml |
| 5) Aroclor 1016 (4)         | 6.406 | 793823   | <del>198.703</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.629 | 1005864  | <del>195.687</del> ng/ml |
| 7) Aroclor 1016 (6)         | 6.755 | 724356   | <del>191.543</del> ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml               |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml               |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml               |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml               |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:50:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 43) | Aroclor 1260 (1)   | 7.556 | 1960129  | 204.162 | ng/ml |
| 44) | Aroclor 1260 (2)   | 7.688 | 2484917  | 209.733 | ng/ml |
| 45) | Aroclor 1260 (3)   | 8.245 | 1926263  | 207.638 | ng/ml |
| 46) | Aroclor 1260 (4)   | 8.415 | 4688275  | 214.399 | ng/ml |
| 47) | Aroclor 1260 (5)   | 8.715 | 3099486  | 215.854 | ng/ml |
| 48) | Aroclor 1260 (6)   | 9.107 | 1281762  | 215.668 | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F007.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 8:53 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL4  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:50:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

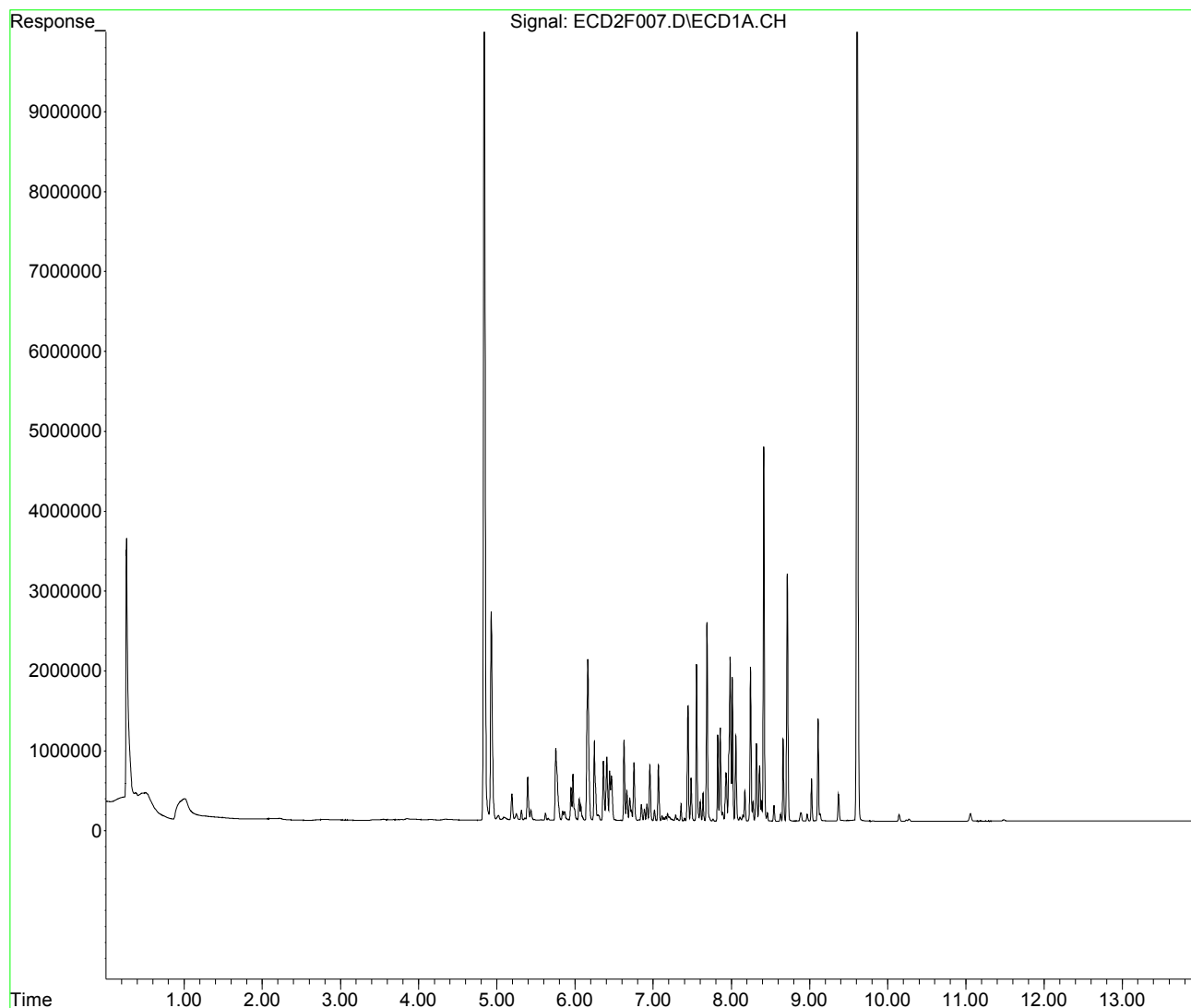
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F007.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 8:53 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL4  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:50:31 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:44:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:43:30 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)               | 4.839 | 31718215 | <del>223.319</del> ng/ml |
| 64) S DCBP (S)              | 9.610 | 34725865 | <del>278.074</del> ng/ml |
| Target Compounds            |       |          |                          |
| 2) Aroclor 1016 (1)         | 5.754 | 2152914  | <del>449.414</del> ng/ml |
| 3) Aroclor 1016 (2)         | 6.167 | 5001187  | <del>495.615</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.247 | 2494995  | <del>463.263</del> ng/ml |
| 5) Aroclor 1016 (4)         | 6.405 | 1889410  | <del>472.942</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.628 | 2452080  | <del>477.044</del> ng/ml |
| 7) Aroclor 1016 (6)         | 6.754 | 1804662  | <del>477.211</del> ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml               |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml               |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml               |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml               |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:44:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:43:30 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  |
|-----|--------------------|-------|----------|---------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.556 | 4722080  | 491.839 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 6130699  | 517.447 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 4575243  | 493.179 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 11506833 | 526.218 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 7454287  | 519.131 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.107 | 2974195  | 500.436 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/mld |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F008.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:11 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL5  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:44:51 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:43:30 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

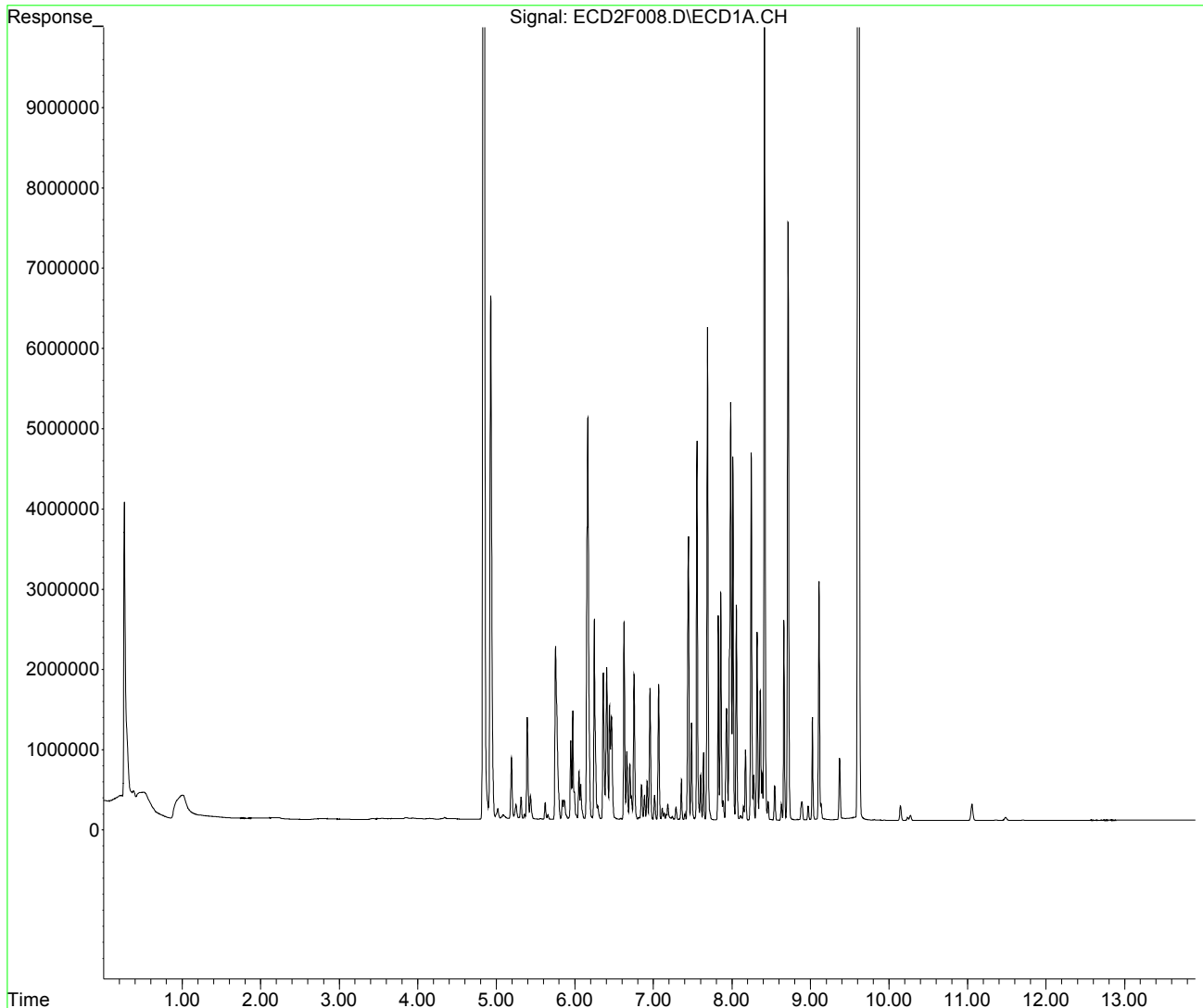
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F008.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:11 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL5  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:44:51 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 14:43:30 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\OG24014\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:51:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.839 | 68493948 | 482.246 ng/ml            |
| 64) S DCBP (S)              | 9.610 | 74515427 | <del>596.697</del> ng/ml |
| Target Compounds            |       |          |                          |
| 2) Aroclor 1016 (1)         | 5.753 | 4237008  | <del>884.461</del> ng/ml |
| 3) Aroclor 1016 (2)         | 6.166 | 10005200 | <del>991.511</del> ng/ml |
| 4) Aroclor 1016 (3)         | 6.247 | 4838004  | <del>898.306</del> ng/ml |
| 5) Aroclor 1016 (4)         | 6.405 | 3870392  | <del>968.804</del> ng/ml |
| 6) Aroclor 1016 (5)         | 6.627 | 4858815  | <del>945.266</del> ng/ml |
| 7) Aroclor 1016 (6)         | 6.754 | 3489242  | <del>922.669</del> ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. ng/ml               |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. ng/ml               |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. ng/ml               |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. ng/ml               |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. ng/ml               |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. ng/ml               |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. ng/ml               |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. ng/ml               |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. ng/ml               |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. ng/ml               |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:51:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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  |
|-----|--------------------|-------|----------|----------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.555 | 9469655  | 986.333  | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.688 | 12557321 | 1059.871 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.246 | 9623588  | 1037.355 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 24568141 | 1123.523 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.715 | 15379429 | 1071.053 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.107 | 6042358  | 1016.684 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.     | ng/mld |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F009.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:28 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL6  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:51:31 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

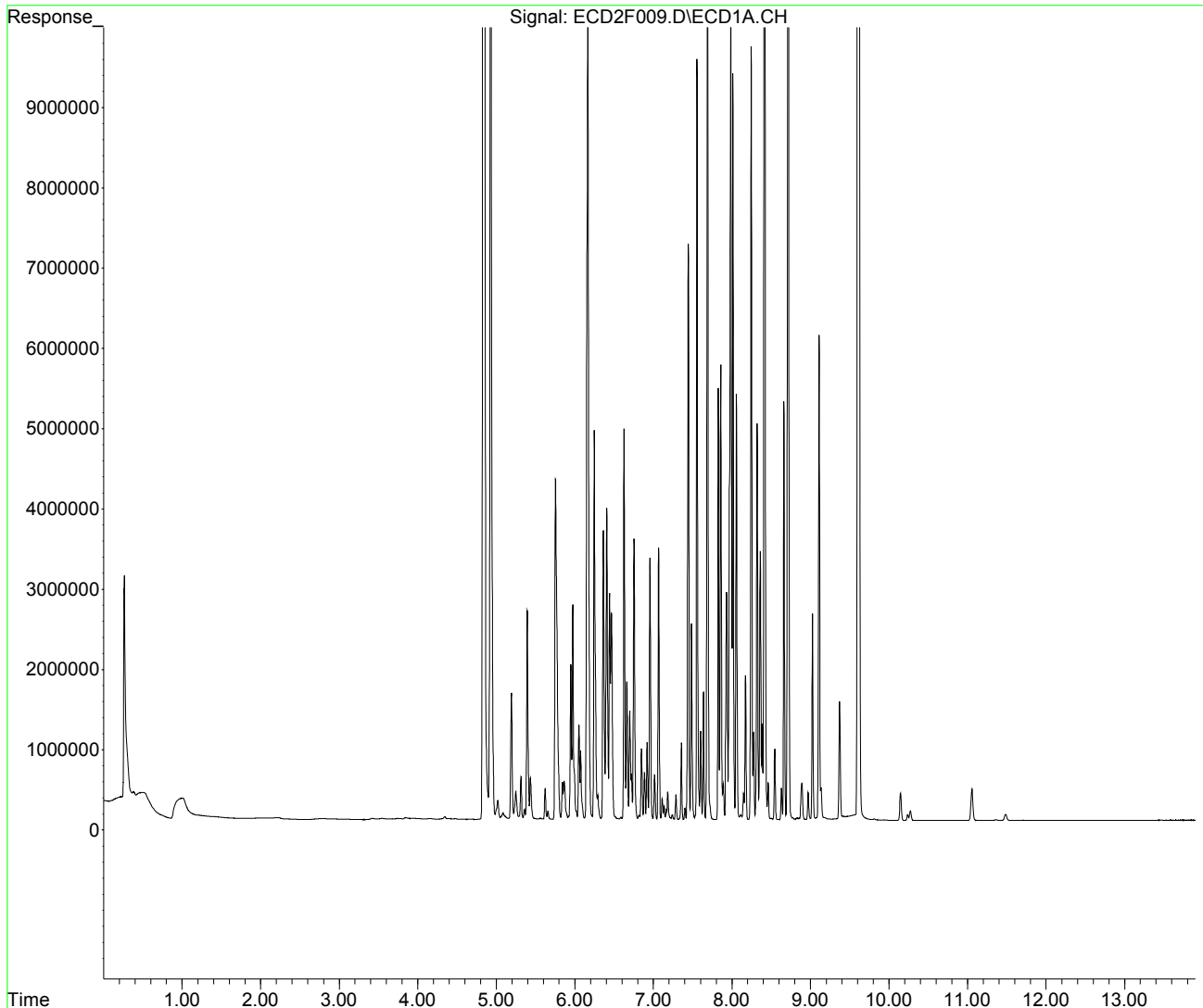
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F009.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:28 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL6  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:51:31 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:52:21 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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)               | 4.840 | 114036493 | 802.897 ng/ml  |
| 64) S DCBP (S)              | 9.611 | 122086930 | 977.635 ng/ml  |
| Target Compounds            |       |           |                |
| 2) Aroclor 1016 (1)         | 5.753 | 6256347   | 1305.992 ng/ml |
| 3) Aroclor 1016 (2)         | 6.166 | 15047162  | 1491.167 ng/ml |
| 4) Aroclor 1016 (3)         | 6.247 | 7348101   | 1364.374 ng/ml |
| 5) Aroclor 1016 (4)         | 6.405 | 5390703   | 1349.356 ng/ml |
| 6) Aroclor 1016 (5)         | 6.627 | 7186871   | 1398.181 ng/ml |
| 7) Aroclor 1016 (6)         | 6.753 | 5209227   | 1377.489 ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0         | N.D. ng/ml     |
| 9) Aroclor 1221 (1)         | 0.000 | 0         | N.D. ng/ml     |
| 10) Aroclor 1221 (2)        | 0.000 | 0         | N.D. ng/ml     |
| 11) Aroclor 1221 (3)        | 0.000 | 0         | N.D. ng/ml     |
| 12) Aroclor 1221 (4)        | 0.000 | 0         | N.D. ng/ml     |
| 13) Aroclor 1221 (5)        | 0.000 | 0         | N.D. ng/ml     |
| 14) Aroclor 1221 - AVE      | 0.000 | 0         | N.D. ng/ml     |
| 15) Aroclor 1232 (1)        | 0.000 | 0         | N.D. ng/ml     |
| 16) Aroclor 1232 (2)        | 0.000 | 0         | N.D. ng/ml     |
| 17) Aroclor 1232 (3)        | 0.000 | 0         | N.D. ng/ml     |
| 18) Aroclor 1232 (4)        | 0.000 | 0         | N.D. ng/ml     |
| 19) Aroclor 1232 (5)        | 0.000 | 0         | N.D. ng/ml     |
| 20) Aroclor 1232 (6)        | 0.000 | 0         | N.D. ng/ml     |
| 21) Aroclor 1232 - AVE      | 0.000 | 0         | N.D. ng/ml     |
| 22) Aroclor 1242 (1)        | 0.000 | 0         | N.D. ng/ml     |
| 23) Aroclor 1242 (2)        | 0.000 | 0         | N.D. ng/ml     |
| 24) Aroclor 1242 (3)        | 0.000 | 0         | N.D. ng/ml     |
| 25) Aroclor 1242 (4)        | 0.000 | 0         | N.D. ng/ml     |
| 26) Aroclor 1242 (5)        | 0.000 | 0         | N.D. ng/ml     |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:52:21 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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  |
|-----|--------------------|-------|----------|----------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 43) | Aroclor 1260 (1)   | 7.555 | 13906052 | 1448.416 | ng/ml  |
| 44) | Aroclor 1260 (2)   | 7.687 | 18266111 | 1541.708 | ng/ml  |
| 45) | Aroclor 1260 (3)   | 8.245 | 14260857 | 1537.221 | ng/ml  |
| 46) | Aroclor 1260 (4)   | 8.415 | 36303716 | 1660.201 | ng/ml  |
| 47) | Aroclor 1260 (5)   | 8.714 | 24216004 | 1686.450 | ng/ml  |
| 48) | Aroclor 1260 (6)   | 9.108 | 9517733  | 1801.448 | ng/ml  |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.     | ng/ml  |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.     | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.     | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.     | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.     | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.     | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.     | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.     | ng/mld |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.     | ng/mld |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F010.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 9:46 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL7  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:52:21 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Tue Jun 23 11:23:31 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

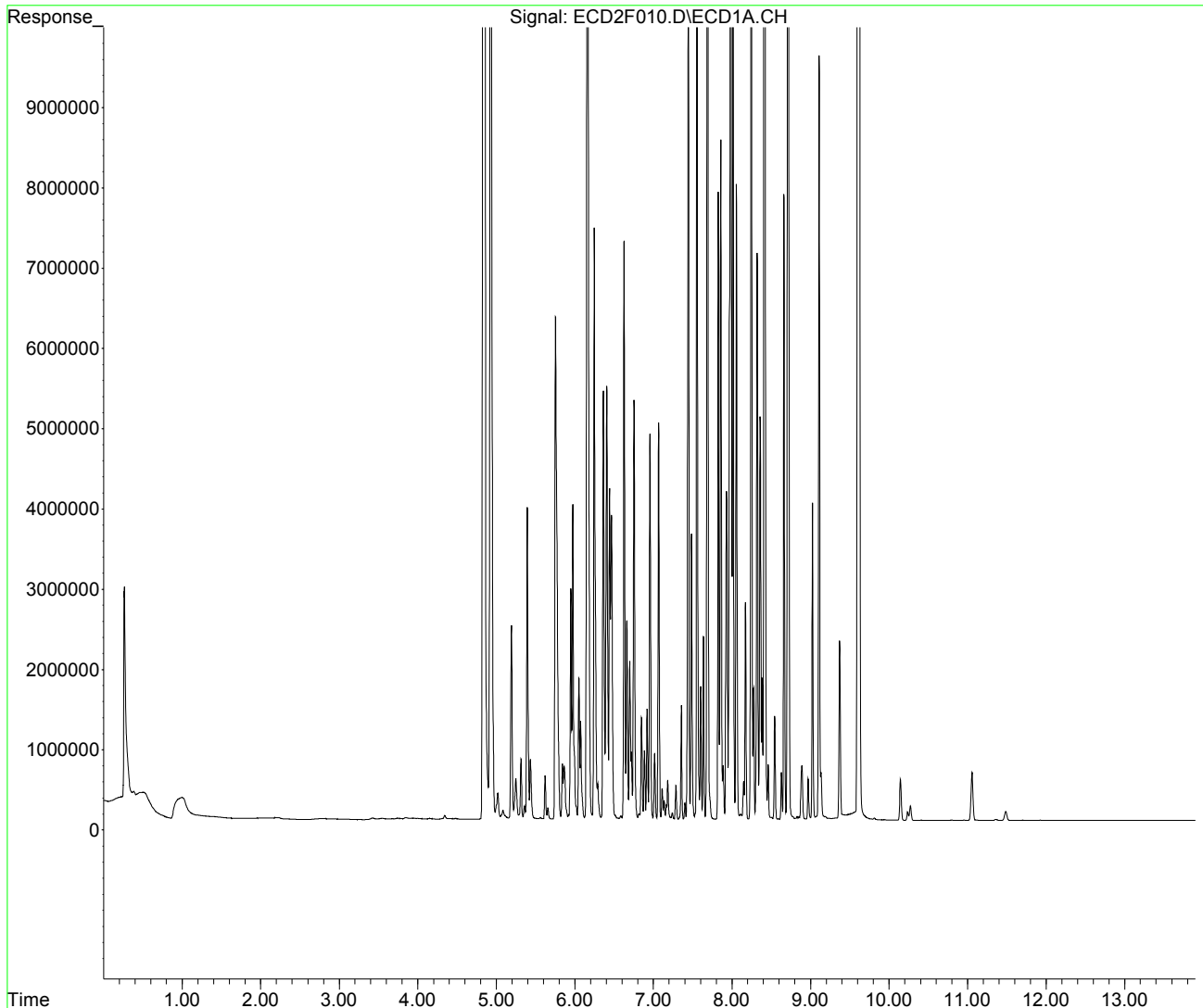
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F010.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 9:46 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL7  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:52:21 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Tue Jun 23 11:23:31 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\OG24014\  
 Data File : ECD2F013.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:39 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL8  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 14:53:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:52:55 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)               | 0.000 | 0        | N.D.    | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D.    | ng/ml |
| Target Compounds            |       |          |         |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D.    | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D.    | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D.    | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D.    | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D.    | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D.    | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D.    | ng/ml |
| 9) Aroclor 1221 (1)         | 5.195 | 813714   | 468.110 | ng/ml |
| 10) Aroclor 1221 (2)        | 5.313 | 543305   | 488.414 | ng/ml |
| 11) Aroclor 1221 (3)        | 5.394 | 1778869  | 491.356 | ng/ml |
| 12) Aroclor 1221 (4)        | 5.860 | 281646   | 480.859 | ng/ml |
| 13) Aroclor 1221 (5)        | 6.165 | 343472   | 490.372 | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D.    | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D.    | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D.    | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D.    | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D.    | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F013.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:39 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL8  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:53:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:52:55 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 |
|-----|--------------------|-------|----------|------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D. | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F013.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:39 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL8  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 14:53:55 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 14:52:55 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

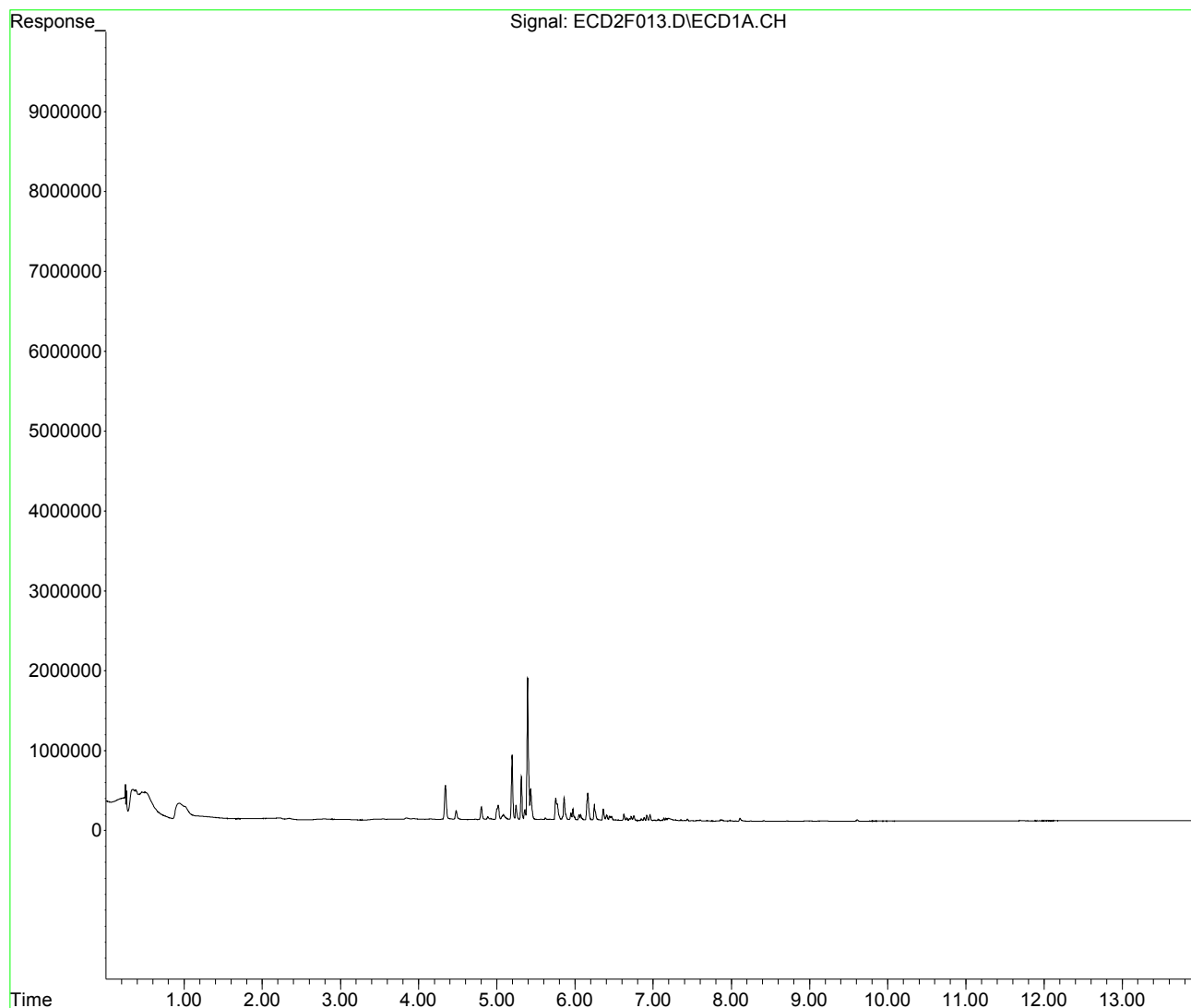
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F013.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 10:39 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL8  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 14:53:55 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 14:52:55 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\OG24014\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:56 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL9  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:12:42 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:11:44 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)               | 0.000 | 0        | N.D.    | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D.    | ng/ml |
| Target Compounds            |       |          |         |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D.    | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D.    | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D.    | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D.    | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D.    | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D.    | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D.    | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D.    | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D.    | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 15) Aroclor 1232 (1)        | 5.393 | 1476218  | 486.888 | ng/ml |
| 16) Aroclor 1232 (2)        | 6.167 | 2112094  | 537.163 | ng/ml |
| 17) Aroclor 1232 (3)        | 6.247 | 1040935  | 477.085 | ng/ml |
| 18) Aroclor 1232 (4)        | 6.405 | 697318   | 540.726 | ng/ml |
| 19) Aroclor 1232 (5)        | 6.627 | 917353   | 501.723 | ng/ml |
| 20) Aroclor 1232 (6)        | 6.754 | 793600   | 515.999 | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D.    | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D.    | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:56 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL9  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:12:42 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:11:44 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 |
|-----|--------------------|-------|----------|------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D. | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F014.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 10:56 am  
 Operator : MJB / KAK  
 Sample : OG24014-CAL9  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:12:42 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:11:44 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

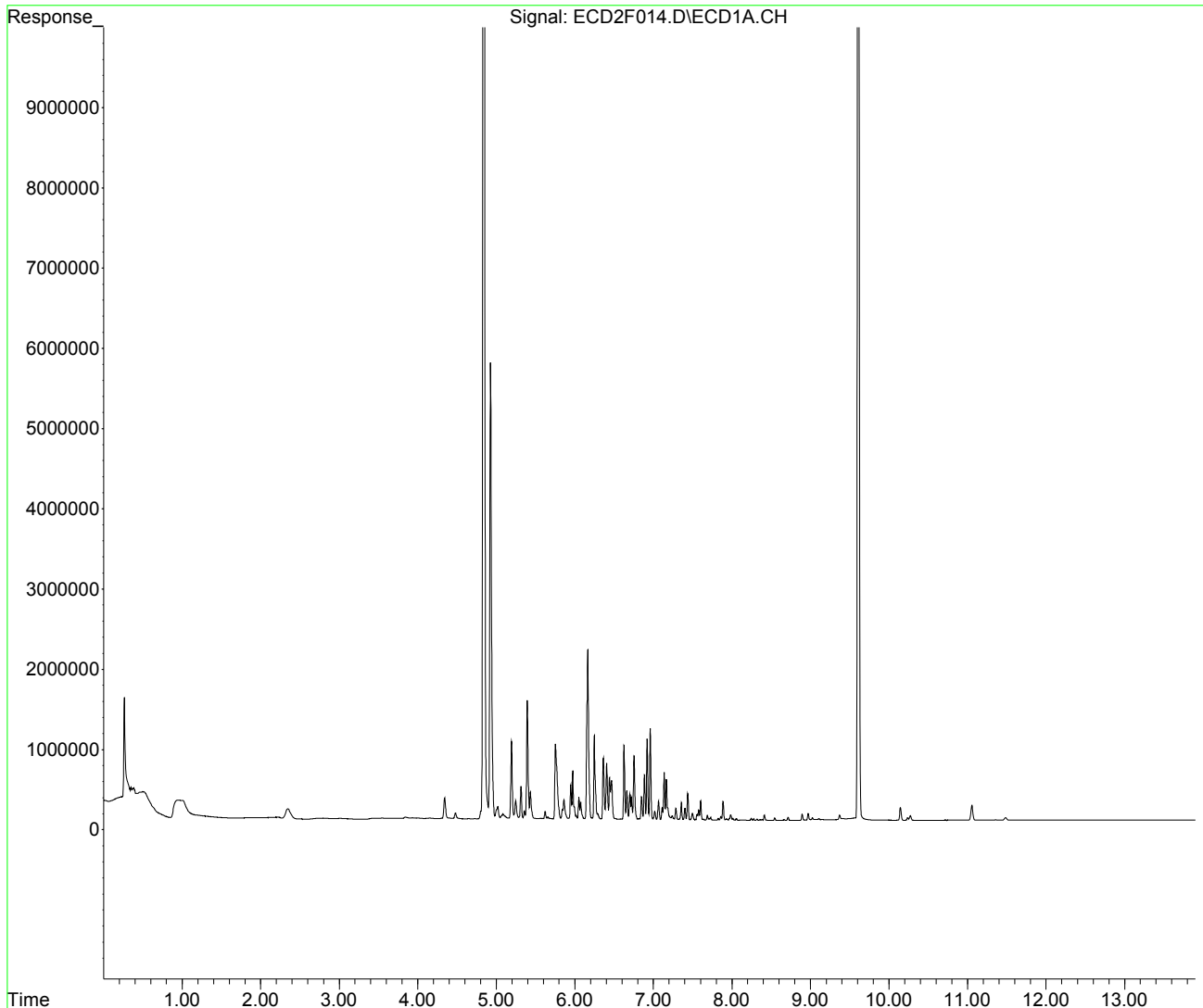
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F014.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 10:56 am  
Operator : MJB / KAK  
Sample : 0G24014-CAL9  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:12:42 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:11:44 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\OG24014\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:14 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALA  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:15:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:14:36 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)               | 0.000 | 0        | N.D.    | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D.    | ng/ml |
| Target Compounds            |       |          |         |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D.    | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D.    | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D.    | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D.    | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D.    | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D.    | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D.    | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D.    | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D.    | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D.    | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D.    | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D.    | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D.    | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D.    | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D.    | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D.    | ng/ml |
| 22) Aroclor 1242 (1)        | 5.753 | 1673067  | 477.580 | ng/ml |
| 23) Aroclor 1242 (2)        | 6.167 | 3877837  | 516.860 | ng/ml |
| 24) Aroclor 1242 (3)        | 6.247 | 1969962  | 495.607 | ng/ml |
| 25) Aroclor 1242 (4)        | 6.405 | 1410888  | 539.430 | ng/ml |
| 26) Aroclor 1242 (5)        | 6.627 | 1880236  | 501.773 | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:14 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALA  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:15:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:14:36 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               |
|-----|--------------------|-------|----------|--------------------------|
| 27) | Aroclor 1242 (6)   | 6.754 | 1665534  | <del>508.223</del> ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D. ng/ml               |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D. ng/ml               |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D. ng/ml               |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D. ng/ml               |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D. ng/ml               |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D. ng/ml               |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D. ng/ml               |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D. ng/ml               |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D. ng/ml               |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D. ng/ml               |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D. ng/ml               |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D. ng/ml               |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D. ng/ml               |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D. ng/ml               |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D. ng/ml               |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D. ng/ml               |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D. ng/ml               |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D. ng/ml               |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D. ng/ml               |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D. ng/ml               |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D. ng/ml               |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D. ng/ml               |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D. ng/ml               |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D. ng/ml               |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D. ng/ml               |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D. ng/ml               |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D. ng/ml               |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D. ng/ml               |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D. ng/ml               |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D. ng/ml               |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F015.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:14 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALA  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:15:34 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:14:36 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

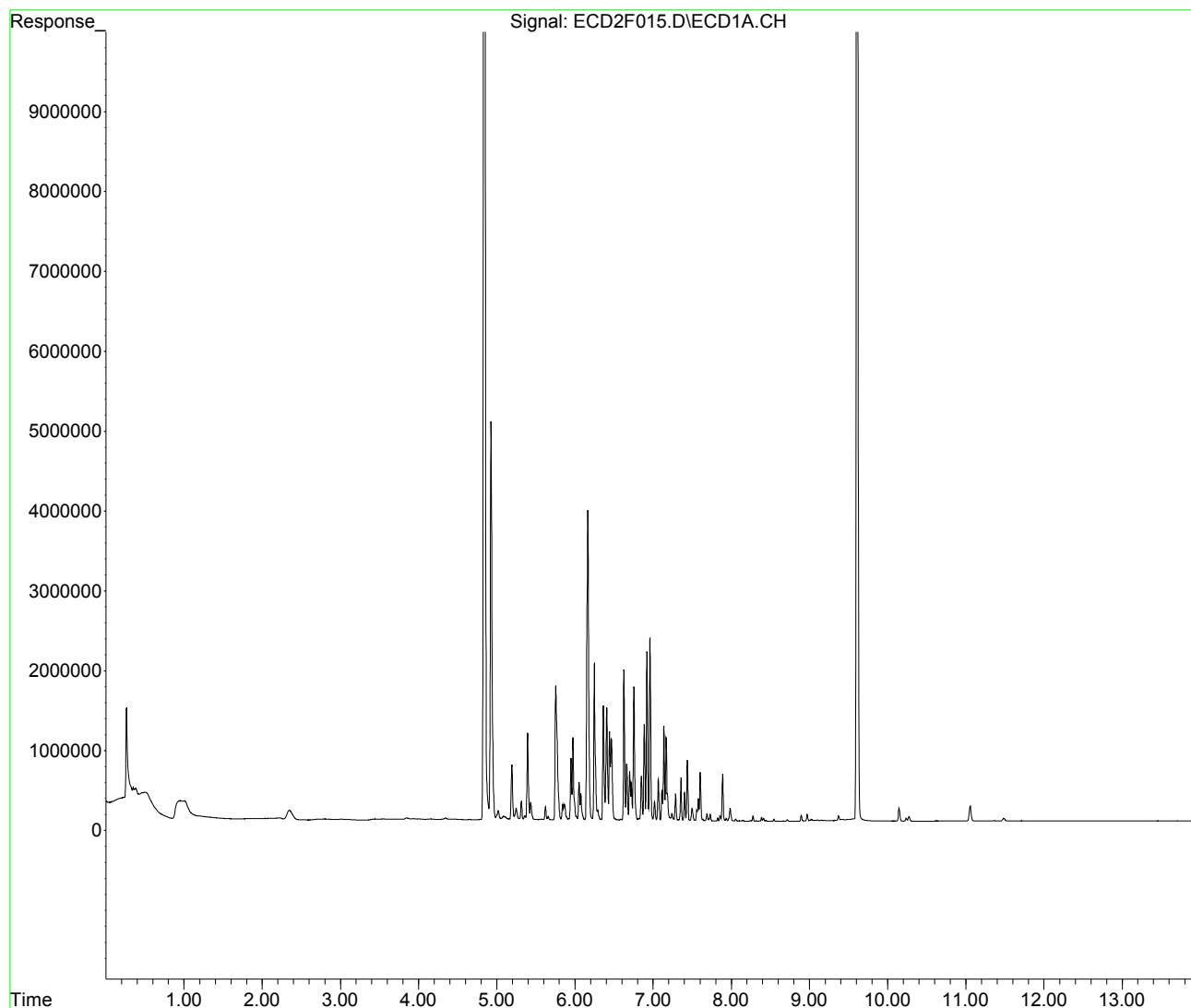
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F015.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 11:14 am  
Operator : MJB / KAK  
Sample : 0G24014-CALA  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:15:34 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:14:36 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\OG24014\  
 Data File : ECD2F016.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:32 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALB  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:17:24 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:16:18 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)               | 0.000 | 0        | N.D. | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D. | ng/ml |
| Target Compounds            |       |          |      |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D. | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D. | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D. | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D. | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F016.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:32 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALB  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:17:24 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:16:18 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 |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 29) | Aroclor 1248 (1)   | 6.165 | 2366453  | 511.773 | ng/ml |
| 30) | Aroclor 1248 (2)   | 6.405 | 2417960  | 482.142 | ng/ml |
| 31) | Aroclor 1248 (3)   | 6.627 | 3052685  | 499.581 | ng/ml |
| 32) | Aroclor 1248 (4)   | 6.921 | 3723232  | 508.158 | ng/ml |
| 33) | Aroclor 1248 (5)   | 6.959 | 3952928  | 501.838 | ng/ml |
| 34) | Aroclor 1248 (6)   | 7.436 | 2089383  | 531.240 | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F016.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:32 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALB  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:17:24 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:16:18 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

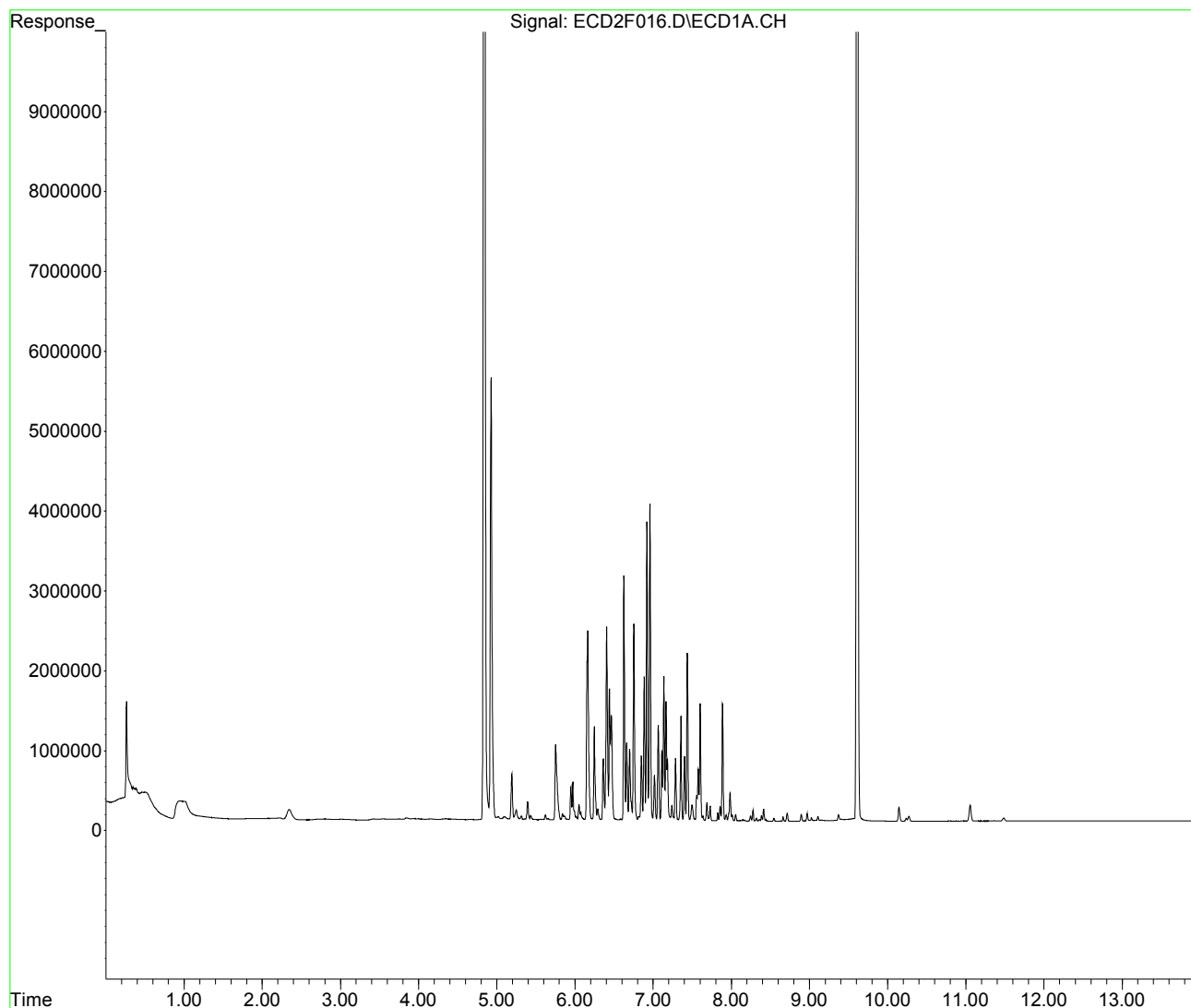
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F016.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 11:32 am  
Operator : MJB / KAK  
Sample : 0G24014-CALB  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:17:24 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:16:18 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\OG24014\  
 Data File : ECD2F017.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:49 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALC  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:20:07 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:19:03 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)               | 0.000 | 0        | N.D. | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D. | ng/ml |
| Target Compounds            |       |          |      |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D. | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D. | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D. | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D. | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F017.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:49 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALC  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:20:07 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:19:03 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 |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 36) | Aroclor 1254 (1)   | 6.956 | 3720790  | 527.165 | ng/ml |
| 37) | Aroclor 1254 (2)   | 7.065 | 4269550  | 500.161 | ng/ml |
| 38) | Aroclor 1254 (3)   | 7.436 | 7257559  | 535.529 | ng/ml |
| 39) | Aroclor 1254 (4)   | 7.601 | 4839265  | 522.701 | ng/ml |
| 40) | Aroclor 1254 (5)   | 7.982 | 4888299  | 529.442 | ng/ml |
| 41) | Aroclor 1254 (6)   | 8.275 | 1616257  | 538.076 | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/ml |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F017.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 11:49 am  
 Operator : MJB / KAK  
 Sample : OG24014-CALC  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:20:07 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:19:03 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

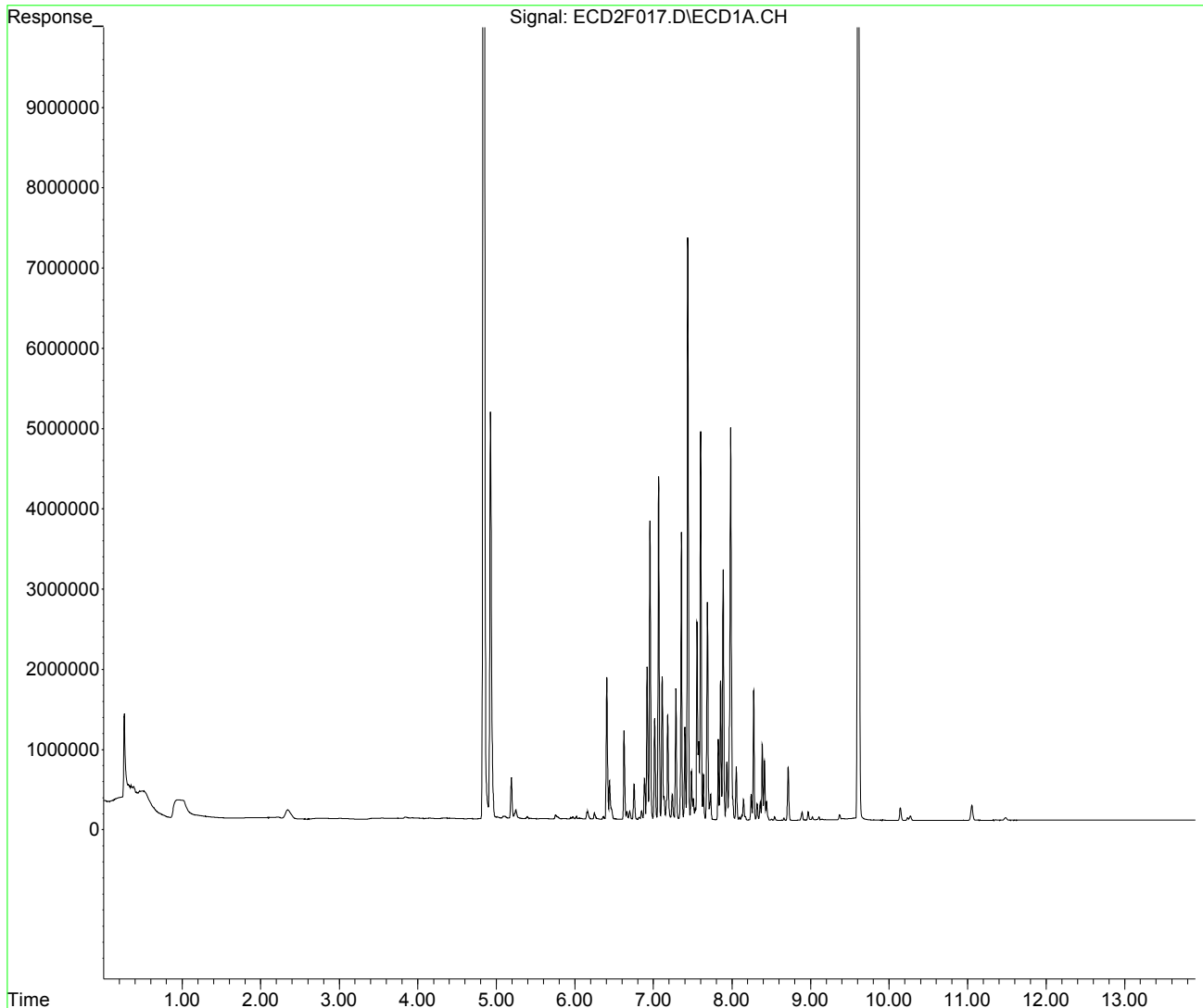
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F017.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 11:49 am  
Operator : MJB / KAK  
Sample : 0G24014-CALC  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:20:07 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:19:03 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\OG24014\  
 Data File : ECD2F018.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:07 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:23:02 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:21:58 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)               | 0.000 | 0        | N.D. | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D. | ng/ml |
| Target Compounds            |       |          |      |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D. | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D. | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D. | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D. | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F018.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:07 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:23:02 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:21:58 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 |
|-----|--------------------|-------|----------|---------|-------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D.    | ng/ml |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D.    | ng/ml |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D.    | ng/ml |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D.    | ng/ml |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D.    | ng/ml |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D.    | ng/ml |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 50) | Aroclor 1262 (1)   | 7.688 | 4761635  | 524.879 | ng/ml |
| 51) | Aroclor 1262 (2)   | 8.012 | 6755962  | 530.417 | ng/ml |
| 52) | Aroclor 1262 (3)   | 8.244 | 5900562  | 530.180 | ng/ml |
| 53) | Aroclor 1262 (4)   | 8.415 | 12881583 | 539.118 | ng/ml |
| 54) | Aroclor 1262 (5)   | 8.713 | 7824746  | 540.280 | ng/ml |
| 55) | Aroclor 1262 (6)   | 9.106 | 4227757  | 553.657 | ng/ml |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.    | ng/ml |
| 57) | Aroclor 1268 (1)   | 0.000 | 0        | N.D.    | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F018.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:07 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:23:02 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:21:58 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 |
|-----|--------------------|-------|----------|------|-------|
| 58) | Aroclor 1268 (2)   | 0.000 | 0        | N.D. | ng/ml |
| 59) | Aroclor 1268 (3)   | 0.000 | 0        | N.D. | ng/ml |
| 60) | Aroclor 1268 (4)   | 0.000 | 0        | N.D. | ng/ml |
| 61) | Aroclor 1268 (5)   | 0.000 | 0        | N.D. | ng/ml |
| 62) | Aroclor 1268 (6)   | 0.000 | 0        | N.D. | ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

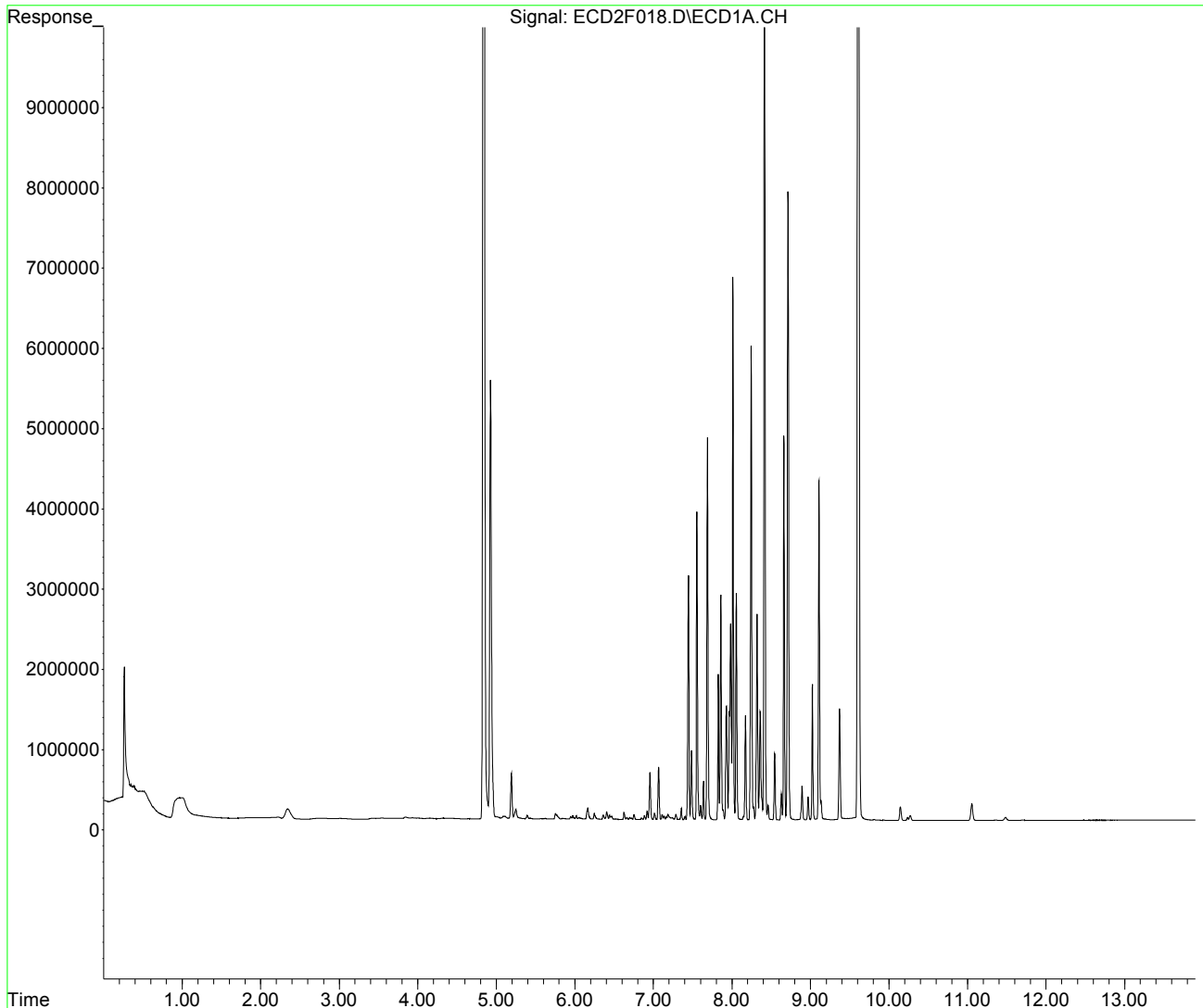
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F018.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 12:07 pm  
Operator : MJB / KAK  
Sample : 0G24014-CALD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:23:02 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:21:58 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\OG24014\  
 Data File : ECD2F019.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:25 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

*KAK 7/27/2020*

Integration File: PCB1.e  
 Quant Time: Jul 24 15:25:22 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:23:53 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)               | 0.000 | 0        | N.D. | ng/ml |
| 64) S DCBP (S)              | 0.000 | 0        | N.D. | ng/ml |
| Target Compounds            |       |          |      |       |
| 2) Aroclor 1016 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 3) Aroclor 1016 (2)         | 0.000 | 0        | N.D. | ng/ml |
| 4) Aroclor 1016 (3)         | 0.000 | 0        | N.D. | ng/ml |
| 5) Aroclor 1016 (4)         | 0.000 | 0        | N.D. | ng/ml |
| 6) Aroclor 1016 (5)         | 0.000 | 0        | N.D. | ng/ml |
| 7) Aroclor 1016 (6)         | 0.000 | 0        | N.D. | ng/ml |
| 8) Aroclor 1016 - AVE       | 0.000 | 0        | N.D. | ng/ml |
| 9) Aroclor 1221 (1)         | 0.000 | 0        | N.D. | ng/ml |
| 10) Aroclor 1221 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 11) Aroclor 1221 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 12) Aroclor 1221 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 13) Aroclor 1221 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 14) Aroclor 1221 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 15) Aroclor 1232 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 16) Aroclor 1232 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 17) Aroclor 1232 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 18) Aroclor 1232 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 19) Aroclor 1232 (5)        | 0.000 | 0        | N.D. | ng/ml |
| 20) Aroclor 1232 (6)        | 0.000 | 0        | N.D. | ng/ml |
| 21) Aroclor 1232 - AVE      | 0.000 | 0        | N.D. | ng/ml |
| 22) Aroclor 1242 (1)        | 0.000 | 0        | N.D. | ng/ml |
| 23) Aroclor 1242 (2)        | 0.000 | 0        | N.D. | ng/ml |
| 24) Aroclor 1242 (3)        | 0.000 | 0        | N.D. | ng/ml |
| 25) Aroclor 1242 (4)        | 0.000 | 0        | N.D. | ng/ml |
| 26) Aroclor 1242 (5)        | 0.000 | 0        | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F019.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:25 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:25:22 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:23:53 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  |
|-----|--------------------|-------|----------|--------------------|--------|
| 27) | Aroclor 1242 (6)   | 0.000 | 0        | N.D.               | ng/mld |
| 28) | Aroclor 1242 - AVE | 0.000 | 0        | N.D.               | ng/mld |
| 29) | Aroclor 1248 (1)   | 0.000 | 0        | N.D.               | ng/mld |
| 30) | Aroclor 1248 (2)   | 0.000 | 0        | N.D.               | ng/mld |
| 31) | Aroclor 1248 (3)   | 0.000 | 0        | N.D.               | ng/mld |
| 32) | Aroclor 1248 (4)   | 0.000 | 0        | N.D.               | ng/mld |
| 33) | Aroclor 1248 (5)   | 0.000 | 0        | N.D.               | ng/mld |
| 34) | Aroclor 1248 (6)   | 0.000 | 0        | N.D.               | ng/mld |
| 35) | Aroclor 1248 - AVE | 0.000 | 0        | N.D.               | ng/mld |
| 36) | Aroclor 1254 (1)   | 0.000 | 0        | N.D.               | ng/mld |
| 37) | Aroclor 1254 (2)   | 0.000 | 0        | N.D.               | ng/mld |
| 38) | Aroclor 1254 (3)   | 0.000 | 0        | N.D.               | ng/mld |
| 39) | Aroclor 1254 (4)   | 0.000 | 0        | N.D.               | ng/mld |
| 40) | Aroclor 1254 (5)   | 0.000 | 0        | N.D.               | ng/mld |
| 41) | Aroclor 1254 (6)   | 0.000 | 0        | N.D.               | ng/mld |
| 42) | Aroclor 1254 - AVE | 0.000 | 0        | N.D.               | ng/mld |
| 43) | Aroclor 1260 (1)   | 0.000 | 0        | N.D.               | ng/mld |
| 44) | Aroclor 1260 (2)   | 0.000 | 0        | N.D.               | ng/mld |
| 45) | Aroclor 1260 (3)   | 0.000 | 0        | N.D.               | ng/mld |
| 46) | Aroclor 1260 (4)   | 0.000 | 0        | N.D.               | ng/mld |
| 47) | Aroclor 1260 (5)   | 0.000 | 0        | N.D.               | ng/mld |
| 48) | Aroclor 1260 (6)   | 0.000 | 0        | N.D.               | ng/mld |
| 49) | Aroclor 1260 - AVE | 0.000 | 0        | N.D.               | ng/mld |
| 50) | Aroclor 1262 (1)   | 0.000 | 0        | N.D.               | ng/mld |
| 51) | Aroclor 1262 (2)   | 0.000 | 0        | N.D.               | ng/mld |
| 52) | Aroclor 1262 (3)   | 0.000 | 0        | N.D.               | ng/mld |
| 53) | Aroclor 1262 (4)   | 0.000 | 0        | N.D.               | ng/mld |
| 54) | Aroclor 1262 (5)   | 0.000 | 0        | N.D.               | ng/mld |
| 55) | Aroclor 1262 (6)   | 0.000 | 0        | N.D.               | ng/mld |
| 56) | Aroclor 1262 - AVE | 0.000 | 0        | N.D.               | ng/mld |
| 57) | Aroclor 1268 (1)   | 8.237 | 2958152  | <del>518.465</del> | ng/ml  |



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OG24014\  
 Data File : ECD2F019.D  
 Signal(s) : ECD1A.CH  
 Acq On : 24 Jul 2020 12:25 pm  
 Operator : MJB / KAK  
 Sample : OG24014-CALE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e  
 Quant Time: Jul 24 15:25:22 2020  
 Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
 Quant Title : PCB Data Analysis  
 QLast Update : Fri Jul 24 15:23:53 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               |
|-----|--------------------|-------|----------|--------------------------|
| 58) | Aroclor 1268 (2)   | 8.661 | 14449404 | <del>520.794</del> ng/ml |
| 59) | Aroclor 1268 (3)   | 8.709 | 12569353 | <del>533.765</del> ng/ml |
| 60) | Aroclor 1268 (4)   | 8.892 | 12151463 | <del>564.040</del> ng/ml |
| 61) | Aroclor 1268 (5)   | 9.107 | 4853316  | <del>574.999</del> ng/ml |
| 62) | Aroclor 1268 (6)   | 9.369 | 34554044 | <del>536.110</del> ng/ml |
| 63) | Aroclor 1268 - AVE | 0.000 | 0        | N.D. ng/ml               |

(f)=RT Delta > 1/2 Window

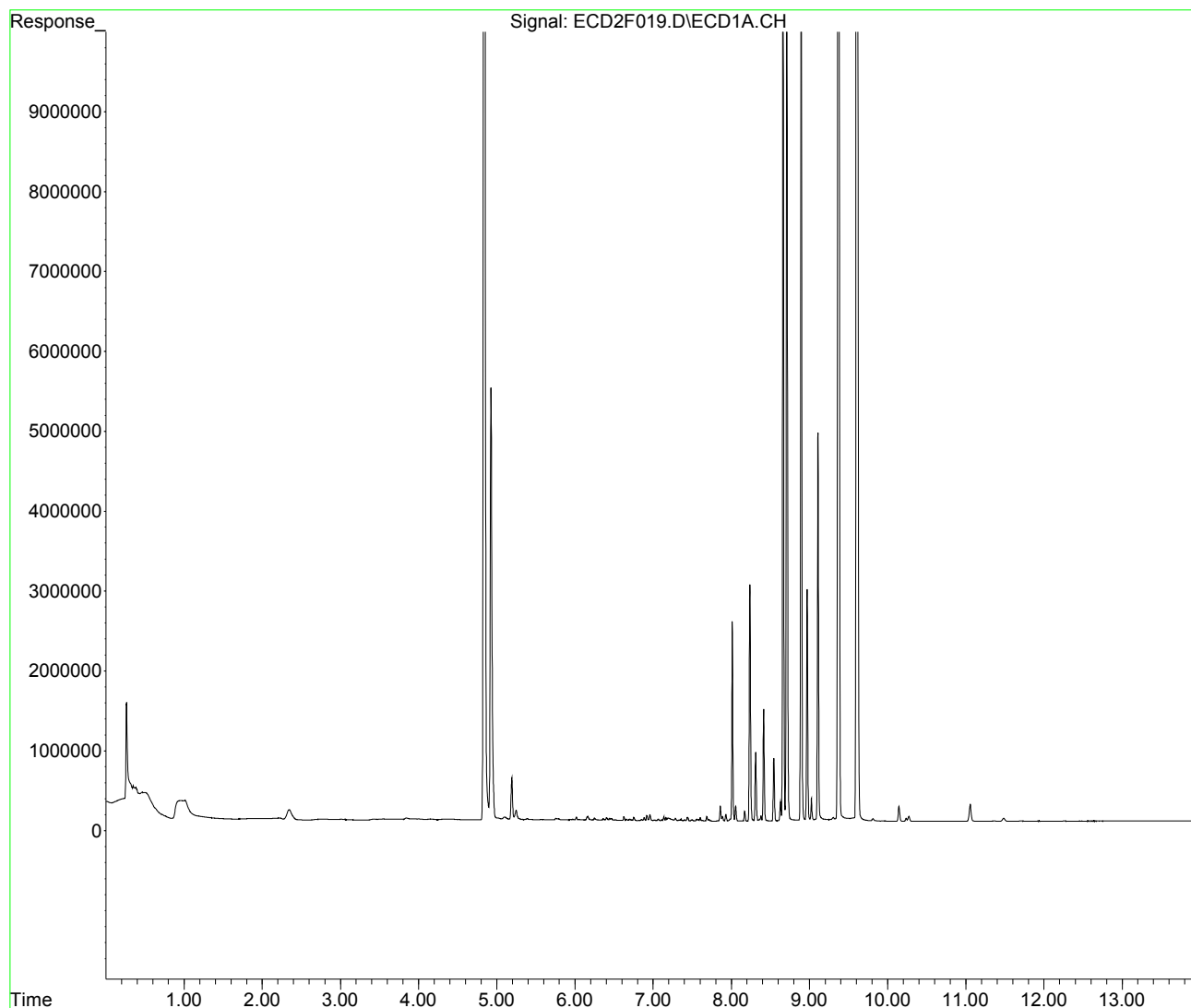
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G24014\  
Data File : ECD2F019.D  
Signal(s) : ECD1A.CH  
Acq On : 24 Jul 2020 12:25 pm  
Operator : MJB / KAK  
Sample : 0G24014-CALE  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e  
Quant Time: Jul 24 15:25:22 2020  
Quant Method : K:\METHODS\FECD2\_QUANTPCB\_200724.M  
Quant Title : PCB Data Analysis  
QLast Update : Fri Jul 24 15:23:53 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



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

Batch 0080030  
Sequence 0H04057 (A0E0670-26,27)



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

**BATCH #: 0080030 (Sediment)**

Prep Method: EPA 3546

| # | Lab Number   | Analysis                        | Prepared       | Initial (g) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments    | pH |     |
|---|--------------|---------------------------------|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|------------------------|----|-----|
|   |              |                                 |                |             |            |          |            |          |          |                          |                        | <2 | >11 |
|   | 0080030-BLK1 | QC                              | 08/03/20 12:19 | 11          | 5          |          |            |          | 100      |                          |                        |    |     |
|   | 0080030-BS1  | QC                              | 08/03/20 12:19 | 10          | 5          | A20E221  |            | 100      | 100      |                          |                        |    |     |
|   | A0E0670-26   | A 8081B 2,4+4,4-DDx Only (+Add) | 08/03/20 12:19 | 10.06       | 5          |          |            |          | 100      | PDI-174SC-A-08-09-200521 | MDL. Use Custom Spike. |    |     |
|   | 0080030-DUP1 | QC                              | 08/03/20 12:19 | 10.07       | 5          |          | A0E0670-26 |          | 100      |                          |                        |    |     |
|   | A0E0670-27   | A 8081B 2,4+4,4-DDx Only (+Add) | 08/03/20 12:19 | 10.33       | 5          |          |            |          | 100      | PDI-174SC-A-09-10-200521 | MDL. Use Custom Spike. |    |     |
|   | 0080030-MS1  | QC                              | 08/03/20 12:19 | 10.39       | 5          | A20E221  | A0E0670-27 | 100      | 100      |                          |                        |    |     |

**Standards/Reagents**

| Reagent(s) |           |                             | Analyte Spike(s) |           |                                      | Surrogate(s) |           |                          |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------------------|--------------|-----------|--------------------------|
| Std ID     | Exp. Date | Description                 | Std ID           | Exp. Date | Description                          | Std ID       | Exp. Date | Description              |
| A13L219    | 11/30/23  | Extractions Balance         | A20E221          | 09/25/20  | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20G334      | 01/23/21  | 8082 PCB Surrogate Spike |
| A20B017    | 02/01/21  | Glass Wool                  |                  |           |                                      |              |           |                          |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476 |                  |           |                                      |              |           |                          |
| A20G009    | 12/28/20  | n-Hexane Lot# 200528        |                  |           |                                      |              |           |                          |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US     |                  |           |                                      |              |           |                          |

Method 3546 digestion time and temperture achieved.  
Initial:

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

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

MJB  
Reviewed By: \_\_\_\_\_ Date 8/6/20



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

BATCH #: **0080030 (Sediment)**

Prep Method: EPA 3546

| #  | Lab Number   | Analysis                        | Prepared       | Initial (g) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments            | pH |       |     |  |
|----|--------------|---------------------------------|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|--------------------------------|----|-------|-----|--|
|    |              |                                 |                |             |            |          |            |          |          |                          |                                | <2 | Other | >11 |  |
| 15 | 0080030-BLK1 | QC                              | 08/03/20 12:19 | 10 11.00    | 5 ✓        |          |            |          | 100      |                          |                                |    |       |     |  |
| 14 | 0080030-BS1  | QC                              | 08/03/20 12:19 | 10          | 5 ✓        | A20E221  |            | 100      | 100      |                          |                                |    |       |     |  |
| 15 | A0E0670-26   | A 8081B 2,4+4,4-DDx Only (+Add) | 08/03/20 12:19 | 10 10.06    | 5 ✓        |          |            |          | 100      | PDI-174SC-A-08-09-200521 | MDL. Use Custom Spike.<br>dist |    |       |     |  |
| 16 | 0080030-DUP1 | QC                              | 08/03/20 12:19 | 10 10.07    | 5 ✓        |          | A0E0670-26 |          | 100      |                          |                                |    |       |     |  |
| 17 | A0E0670-27   | A 8081B 2,4+4,4-DDx Only (+Add) | 08/03/20 12:19 | 10 10.33    | 5 ✓        |          |            |          | 100      | PDI-174SC-A-09-10-200521 | MDL. Use Custom Spike.<br>dist |    |       |     |  |
| 18 | 0080030-MS1  | QC                              | 08/03/20 12:19 | 10 10.39    | 5 ✓        | A20E221  | A0E0670-27 | 100      | 100      |                          |                                |    |       |     |  |

**Standards/Reagents**

| Reagent(s) |           |                             | Analyte Spike(s) |           |                                      | Surrogate(s) |           |                          |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------------------|--------------|-----------|--------------------------|
| Std ID     | Exp. Date | Description                 | Std ID           | Exp. Date | Description                          | Std ID       | Exp. Date | Description              |
| A13L219    | 11/30/23  | Extractions Balance         | A20E221          | 09/25/20  | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20G334      | 01/23/21  | 8082 PCB Surrogate Spike |
| A20B017    | 02/01/21  | Glass Wool                  |                  |           |                                      |              |           |                          |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476 |                  |           |                                      |              |           |                          |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US     |                  |           |                                      |              |           |                          |
| A20G600    |           | n-Hexane                    |                  |           |                                      |              |           |                          |

Method 3546 digestion time and temperture achieved.

Initial: *Cault*

Witness: *can 0803-2020*

*2 mL exchanged into 2 mL of Hexane.*

*Cault 8/4/20*

*Cault*  
Prepared By: \_\_\_\_\_ Date: 8/3/20

*NJ*  
Reviewed By: \_\_\_\_\_ Date: 8/6/20

*Cault NJ*  
8/4/20  
8-3-20



# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0H04057**

Instrument: **DUALECD8**

Date: **08/04/20 14:29**

Calibration: **A0G2005**

| #  | Lab Number   | Matrix   | Analysis                      | Client          | Due      | Batch   | ISTD ID | STD ID  |
|----|--------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1  | 0H04057-BKD1 | Water    | QC                            | QC              |          |         |         | A20E203 |
| 2  | 0H04057-CCV1 | Water    | QC                            | QC              |          |         |         | A20E232 |
| 3  | 0H04057-CCV2 | Water    | QC                            | QC              |          |         |         | A20C358 |
| 4  | 0H04057-CCB1 | Water    | QC                            | QC              |          |         |         | A20G257 |
| 5  | 0070907-BLK1 | Water    | QC                            | QC              |          | 0070907 |         |         |
| 6  | 0070907-BS1  | Water    | QC                            | QC              |          | 0070907 |         |         |
| 7  | 0070907-BSD1 | Water    | QC                            | QC              |          | 0070907 |         |         |
| 8  | 0070907-BS2  | Water    | QC                            | QC              |          | 0070907 |         |         |
| 9  | 0070907-BSD2 | Water    | QC                            | QC              |          | 0070907 |         |         |
| 10 | A0G0765-01   | Water    | 8081B Pesticides + Add        | Anchor QEA, LLC | 08/11/20 | 0070907 |         |         |
| 11 | 0070876-BLK1 | Solid    | QC                            | QC              |          | 0070876 |         |         |
| 12 | 0070876-BS1  | Solid    | QC                            | QC              |          | 0070876 |         |         |
| 13 | 0070876-BSD1 | Solid    | QC                            | QC              |          | 0070876 |         |         |
| 14 | A0G0697-01   | Solid    | 8081B Pesticides              |                 | 08/07/20 | 0070876 |         |         |
| 15 | 0H04057-CCV3 | Water    | QC                            | QC              |          |         |         | A20E233 |
| 16 | 0H04057-CCV4 | Water    | QC                            | QC              |          |         |         | A20C359 |
| 17 | 0H04057-CCB2 | Water    | QC                            | QC              |          |         |         | A20G257 |
| 18 | 0080030-BLK1 | Sediment | QC                            | QC              |          | 0080030 |         |         |
| 19 | 0080030-BS1  | Sediment | QC                            | QC              |          | 0080030 |         |         |
| 20 | A0E0670-26   | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 08/05/20 | 0080030 |         |         |
| 21 | 0080030-DUP1 | Sediment | QC                            | QC              |          | 0080030 |         |         |
| 22 | A0E0670-27   | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 08/05/20 | 0080030 |         |         |
| 23 | 0080030-MS1  | Sediment | QC                            | QC              |          | 0080030 |         |         |
| 24 | 0H04057-CCV5 | Water    | QC                            | QC              |          |         |         | A20E232 |
| 25 | 0H04057-CCV6 | Water    | QC                            | QC              |          |         |         | A20C358 |
| 26 | 0H04057-CCB3 | Water    | QC                            | QC              |          |         |         | A20G257 |

*AML 08/05/20*

*MJB 8/5/20*

Comments:

Data Entered By/Date: \_\_\_\_\_

Data Reviewed By/Date: dgj 8/5/20

Pesticide BKD

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

Sequence: 0H04057 BKD1  
Data File: ECD8-08042003.D

MJB 8/5/20

First Column Area Counts  
DDE 16354241  
DDD 116723954  
DDT 2806520849

Percent Breakdown

4.53 PASS

Endrin 1438230329  
Endrin Aldehyde 158445179  
Endrin Ketone 166016239

18.41 FAIL

Endrin breakdown is w/in 7.5%  
of calibration breakdown.

Second Column Area Counts  
DDE 12742709  
DDD 105866390  
DDT 2805420822

Percent Breakdown

4.06 PASS

Endrin 1285645932  
Endrin Aldehyde 113308812  
Endrin Ketone 135470627

16.21 FAIL

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042003.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 15:13  
 Operator : MJB  
 Sample : 0H04057-BKD1  
 Misc : A20E203  
 ALS Vial : 2 Sample Multiplier: 1

MJB 8/5/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 11:53:19 2020  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_200717RT1.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              | 7.528 | 16354241   | NoCal | ng/mL |
| 2) Endrin                | 7.890 | 1438230329 | NoCal | ng/mL |
| 3) 4,4'-DDD              | 7.946 | 116723954  | NoCal | ng/mL |
| 4) 4,4'-DDT              | 8.141 | 2806520849 | NoCal | ng/mL |
| 5) Endrin Aldehyde       | 8.339 | 158445179  | NoCal | ng/mL |
| 6) Endrin Ketone         | 8.832 | 166016239  | NoCal | ng/mL |
| 8) 4,4'-DDE [2C]         | 8.372 | 12742709   | NoCal | ng/mL |
| 9) Endrin [2C]           | 8.746 | 1285645932 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C]        | 8.788 | 105866390  | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.130 | 113308812  | NoCal | ng/mL |
| 12) 4,4'-DDT [2C]        | 9.014 | 2805420822 | NoCal | ng/mL |
| 13) Endrin Ketone [2C]   | 9.721 | 135470627  | NoCal | ng/mL |
| -----                    |       |            |       |       |

(f)=RT Delta > 1/2 Window

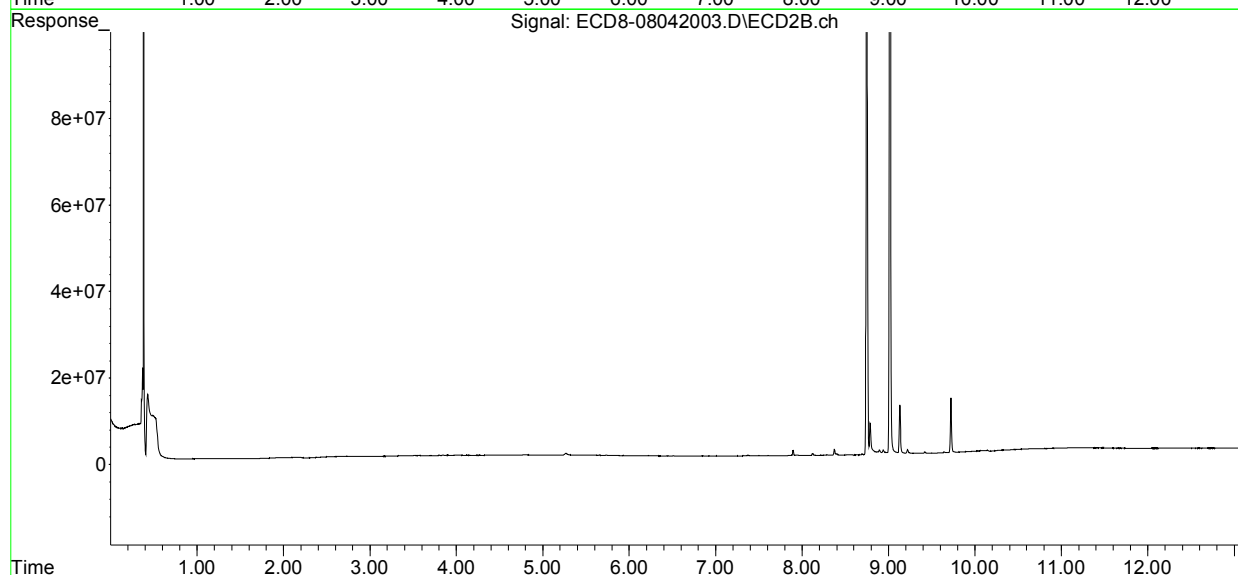
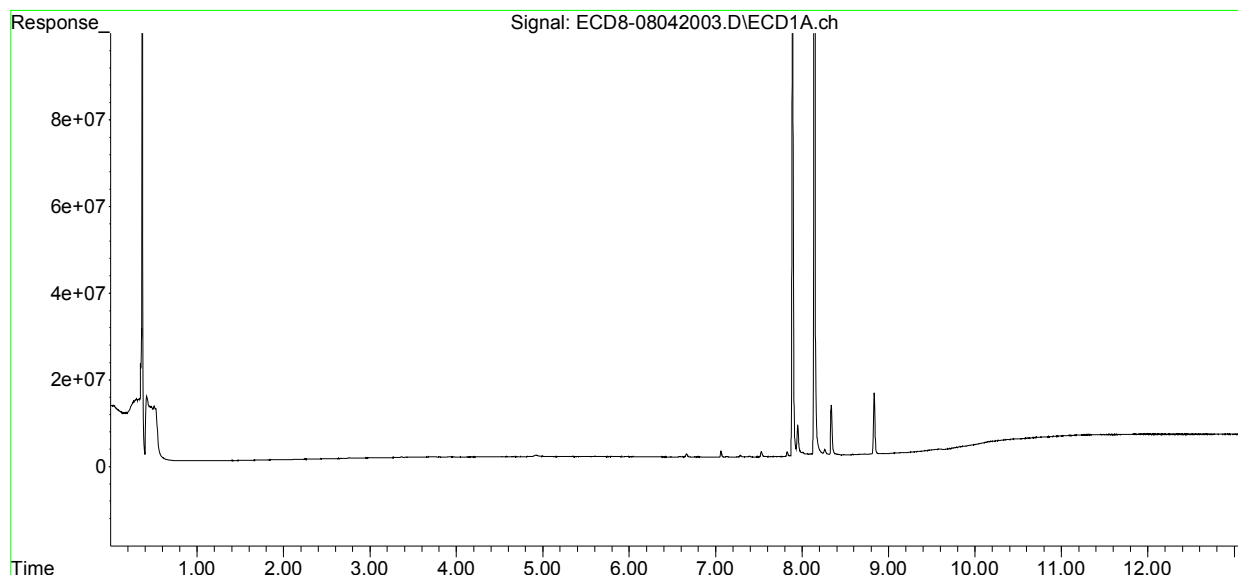
(m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042003.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 15:13  
Operator : MJB  
Sample : 0H04057-BKD1  
Misc : A20E203  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 11:53:19 2020  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_200717RT1.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\2020-08\0H04057\  
 Data File : ECD8-08042004.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 15:30  
 Operator : MJB  
 Sample : 0H04057-CCV1  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

MJB 8/5/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 12:03:33 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL            |
|-----------------------------|--------------|-------|--------|----------|----------|----------|------------------|
| System Monitoring Compounds |              |       |        |          |          |          |                  |
| 1)                          | S TCMX (S)   | 5.335 | 6.022  | 164.7E6  | 177.1E6  | 44.133   | 50.446           |
| 22)                         | S DCBP (S)   | 9.532 | 10.582 | 148.5E6  | 111.0E6  | 48.742   | 51.462           |
| Target Compounds            |              |       |        |          |          |          |                  |
| 2)                          | a-BHC        | 5.877 | 6.627  | 232.6E6  | 252.4E6  | 47.242   | 52.827           |
| 3)                          | g-BHC        | 6.161 | 6.945  | 199.7E6  | 215.6E6  | 45.154   | 51.242           |
| 4)                          | b-BHC        | 6.240 | 7.008  | 74621322 | 87644454 | 37.585   | Q-31 46.490      |
| 5)                          | Heptachlor   | 6.567 | 7.317  | 202.1E6  | 213.0E6  | 47.735   | 51.801           |
| 6)                          | d-BHC        | 6.391 | 7.264  | 159.8E6  | 203.6E6  | 38.731   | Q-31 49.924 #    |
| 7)                          | Aldrin       | 6.805 | 7.583  | 204.9E6  | 205.8E6  | 46.949   | 52.176           |
| 8)                          | Heptachlo... | 7.265 | 8.020  | 191.8E6  | 191.4E6  | 47.366   | 52.279           |
| 9)                          | trans-Chl... | 7.361 | 8.159  | 194.8E6  | 192.4E6  | 47.082   | 51.937           |
| 10)                         | cis-Chlor... | 7.457 | 8.266  | 184.9E6  | 186.0E6  | 45.079   | 52.411           |
| 11)                         | Endosulfa... | 7.554 | 8.317  | 178.4E6  | 169.4E6  | 47.282   | 51.151           |
| 12)                         | 4,4'-DDE     | 7.524 | 8.371  | 179.4E6  | 188.8E6  | 43.882   | 50.506           |
| 13)                         | Dieldrin     | 7.725 | 8.518  | 208.1E6  | 199.4E6  | 49.197   | 54.230           |
| 14)                         | Endrin       | 7.889 | 8.746  | 149.6E6  | 140.8E6  | 49.487   | 53.412           |
| 15)                         | 4,4'-DDD     | 7.944 | 8.787  | 144.3E6  | 163.8E6  | 43.191   | 52.587           |
| 16)                         | Endosulfa... | 8.048 | 8.893  | 152.0E6  | 152.3E6  | 46.997   | 51.919           |
| 17)                         | 4,4'-DDT     | 8.140 | 9.014  | 137.2E6  | 149.2E6  | 44.409   | 52.027           |
| 18)                         | Endrin Al... | 8.337 | 9.129  | 136.6E6  | 136.8E6  | 41.495   | 48.055           |
| 19)                         | Endosulfa... | 8.636 | 9.320  | 144.8E6  | 143.1E6  | 49.998   | 55.122           |
| 20)                         | Methoxychlor | 8.483 | 9.494  | 65614172 | 75729815 | 43.295   | 51.072           |
| 21)                         | Endrin Ke... | 8.831 | 9.721  | 183.3E6  | 176.3E6  | 79.302   | Q-41 89.955 Q-41 |
| 23)                         | Hexachlor... | 3.121 | 3.744f | 4124     | 50885    | BelowCal | BelowCal         |
| 24)                         | Hexachlor... | 5.718 | 6.486  | 316906   | 19824    | BelowCal | BelowCal         |
| 25)                         | Oxychlorane  | 7.203 | 7.933  | 820564   | 280353   | 0.056    | BelowCal #       |
| 26)                         | 2,4'-DDE     | 7.265 | 8.159  | 191.8E6  | 192.4E6  | 73.439   | 78.802           |
| 27)                         | trans-Non... | 7.457 | 8.216  | 184.9E6  | 774641   | 48.943   | BelowCal #       |
| 28)                         | 2,4'-DDD     | 7.638 | 8.518  | 844108   | 199.4E6  | 0.183    | 91.330 #         |
| 29)                         | 2,4'-DDT     | 7.827 | 8.746  | 579906   | 140.8E6  | 0.067    | 63.868 #         |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042004.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 15:30  
 Operator : MJB  
 Sample : 0H04057-CCV1  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 12:03:33 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

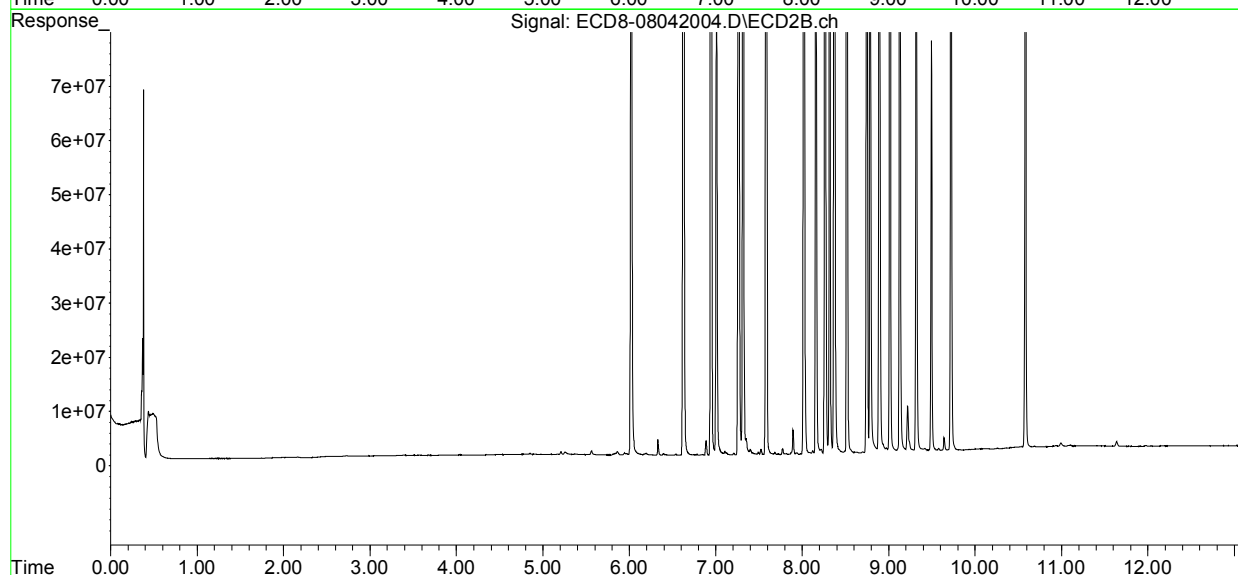
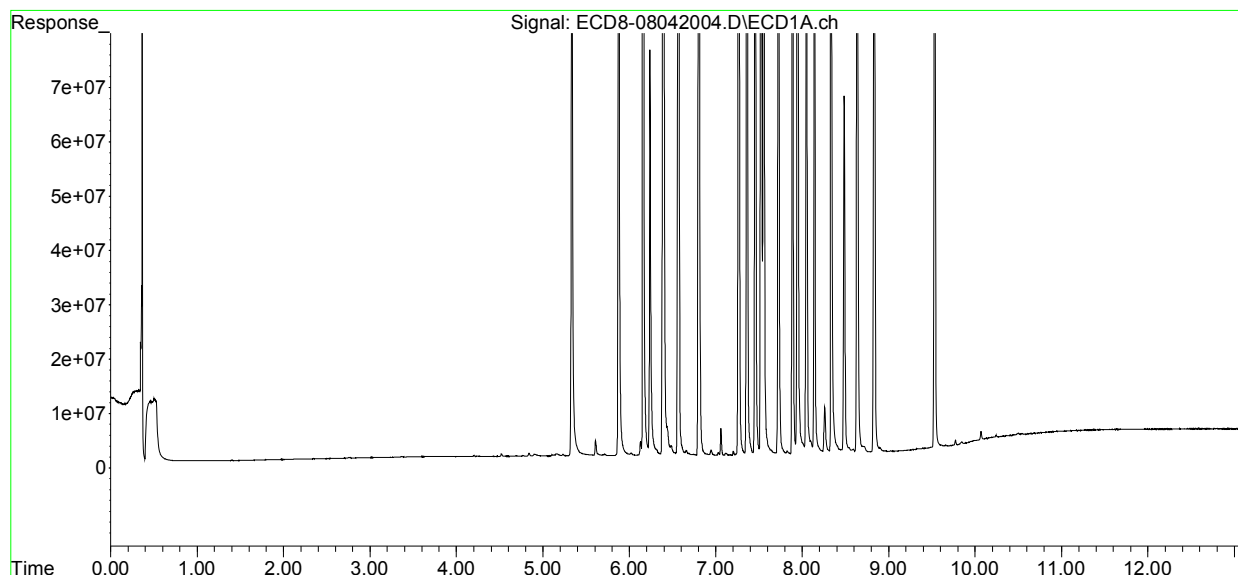
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.889f | 8.787  | 149.6E6 | 163.8E6 | 36.486    | 44.187     |
| 31) | Mirex        | 8.588  | 9.721  | 554362  | 176.3E6 | 14904.242 | 78.118 #   |
| 32) | Chlordane... | 7.361  | 8.159  | 194.8E6 | 192.4E6 | 430.611   | 435.582    |
| 33) | Chlordane... | 7.457  | 8.266  | 184.9E6 | 186.0E6 | 336.007   | 499.575 #  |
| 34) | Chlordane... | 0.000  | 8.893f | 0       | 152.3E6 | N.D.      | 1250.971 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.457f | 8.518f | 184.9E6 | 199.4E6 | 10747.121 | 6596.006 # |
| 37) | Toxaphene... | 0.000  | 8.893  | 0       | 152.3E6 | N.D.      | 3876.081 # |
| 38) | Toxaphene... | 8.098  | 0.000  | 2251200 | 0       | 29.877    | N.D. #     |
| 39) | Toxaphene... | 8.337  | 9.014  | 136.6E6 | 149.2E6 | 1896.142  | 1406.938 # |
| 40) | Toxaphene... | 8.562  | 0.000  | 430557  | 0       | 7.709     | N.D. #     |
| 41) | Toxaphene... | 8.636  | 9.578  | 144.8E6 | 543507  | 1883.701  | 8.394 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042004.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 15:30  
Operator : MJB  
Sample : 0H04057-CCV1  
Misc : A20E232, AB 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 12:03:33 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042005.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 15:46  
 Operator : MJB  
 Sample : 0H04057-CCV2  
 Misc : A20C358, 9-42 50 ppb  
 ALS Vial : 4 Sample Multiplier: 1

MJB 8/5/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 12:09:10 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1  | Resp#2  | ng/mL  | ng/mL            |
|-----------------------------|--------|---------|---------|---------|--------|------------------|
| System Monitoring Compounds |        |         |         |         |        |                  |
| 1) S TCMX (S)               | 5.310f | 6.014   | 2224187 | 358114  | 0.596  | 0.102 #          |
| 22) S DCBP (S)              | 0.000  | 10.558f | 0       | 387384  | N.D.   | BelowCal         |
| Target Compounds            |        |         |         |         |        |                  |
| 2) a-BHC                    | 5.902f | 6.631   | 368990  | 320838  | 0.075  | 0.113 #          |
| 3) g-BHC                    | 6.151  | 6.925   | 180557  | 51175   | 0.041  | 0.012 #          |
| 4) b-BHC                    | 6.228  | 7.037f  | 181783  | 116480  | 0.092  | 0.062 #          |
| 5) Heptachlor               | 6.561  | 7.315   | 535906  | 560759  | 0.127  | 0.113            |
| 6) d-BHC                    | 6.384  | 7.268   | 172032  | 201422  | 0.042  | 0.085 #          |
| 7) Aldrin                   | 6.800  | 7.572   | 119163  | 140389  | 0.027  | 0.029            |
| 8) Heptachlo...             | 7.272  | 0.000   | 121.0E6 | 0       | 29.877 | N.D. #           |
| 9) trans-Chl...             | 7.359  | 8.150   | 2686925 | 125.7E6 | 0.649  | 33.926 #         |
| 10) cis-Chlor...            | 7.447  | 8.266   | 184.6E6 | 3919265 | 45.007 | 1.105 #          |
| 11) Endosulfa...            | 7.538  | 8.328   | 812419  | 709970  | 0.215  | 0.214            |
| 12) 4,4'-DDE                | 7.538  | 8.378   | 812419  | 297421  | 0.199  | 0.105 #          |
| 13) Dieldrin                | 7.710  | 8.523   | 1574293 | 109.7E6 | 0.372  | 29.839 #         |
| 14) Endrin                  | 7.917f | 8.748   | 205.7E6 | 116.7E6 | 68.041 | 44.854 #         |
| 15) 4,4'-DDD                | 7.917f | 8.787   | 205.7E6 | 195.6E6 | 61.597 | 61.903           |
| 16) Endosulfa...            | 8.069f | 8.933f  | 227754  | 676460  | 0.070  | 0.231 #          |
| 17) 4,4'-DDT                | 8.137  | 9.008   | 216977  | 222650  | 0.070  | 0.071            |
| 18) Endrin Al...            | 8.344  | 9.131   | 411698  | 141413  | 0.125  | 0.050 #          |
| 19) Endosulfa...            | 0.000  | 9.322   | 0       | 85686   | N.D.   | BelowCal         |
| 20) Methoxychlor            | 8.474  | 9.494   | 91192   | 37204   | 0.060  | 0.025 #          |
| 21) Endrin Ke...            | 8.817  | 9.712   | 341069  | 121.8E6 | 0.148  | 65.115 #         |
| 23) Hexachlor...            | 3.127  | 3.721   | 217.2E6 | 259.3E6 | 62.369 | Q-41 65.664 Q-41 |
| 24) Hexachlor...            | 5.716  | 6.488   | 161.5E6 | 182.2E6 | 44.910 | 51.975           |
| 25) Oxychlorane             | 7.191  | 7.947   | 167.8E6 | 168.5E6 | 48.951 | 55.051           |
| 26) 2,4'-DDE                | 7.272  | 8.150   | 121.0E6 | 125.7E6 | 46.595 | 53.097           |
| 27) trans-Non...            | 7.447  | 8.221   | 184.6E6 | 188.5E6 | 48.864 | 55.425           |
| 28) 2,4'-DDD                | 7.643  | 8.523   | 105.0E6 | 109.7E6 | 46.479 | 52.615           |
| 29) 2,4'-DDT                | 7.825  | 8.748   | 115.0E6 | 116.7E6 | 48.661 | 53.606           |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042005.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 15:46  
 Operator : MJB  
 Sample : 0H04057-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: Aug 05 12:09:10 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

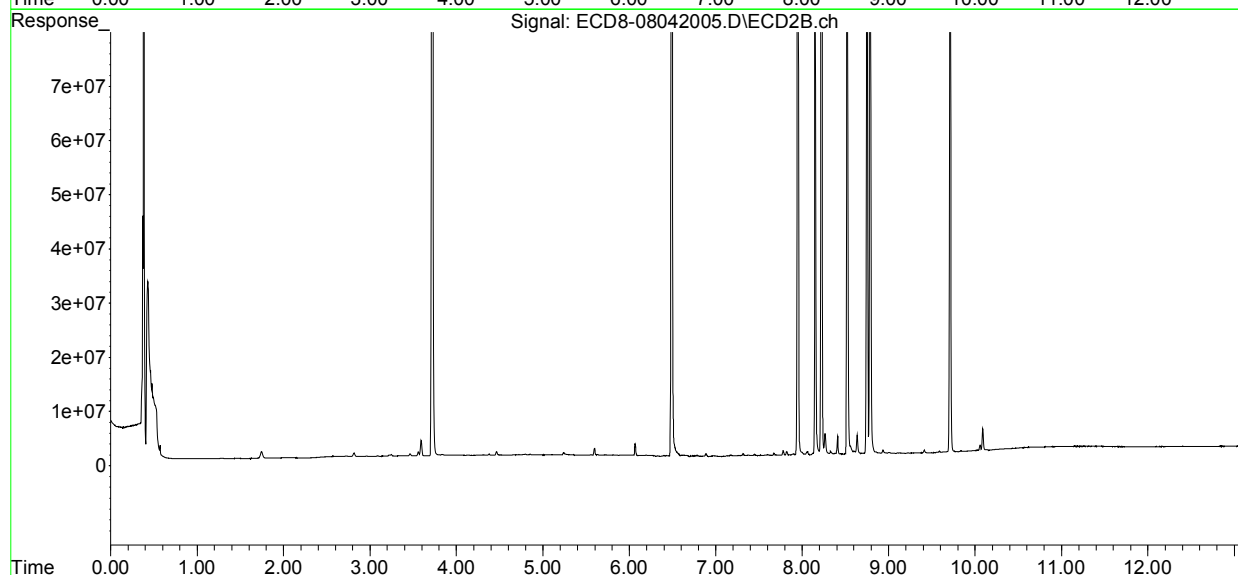
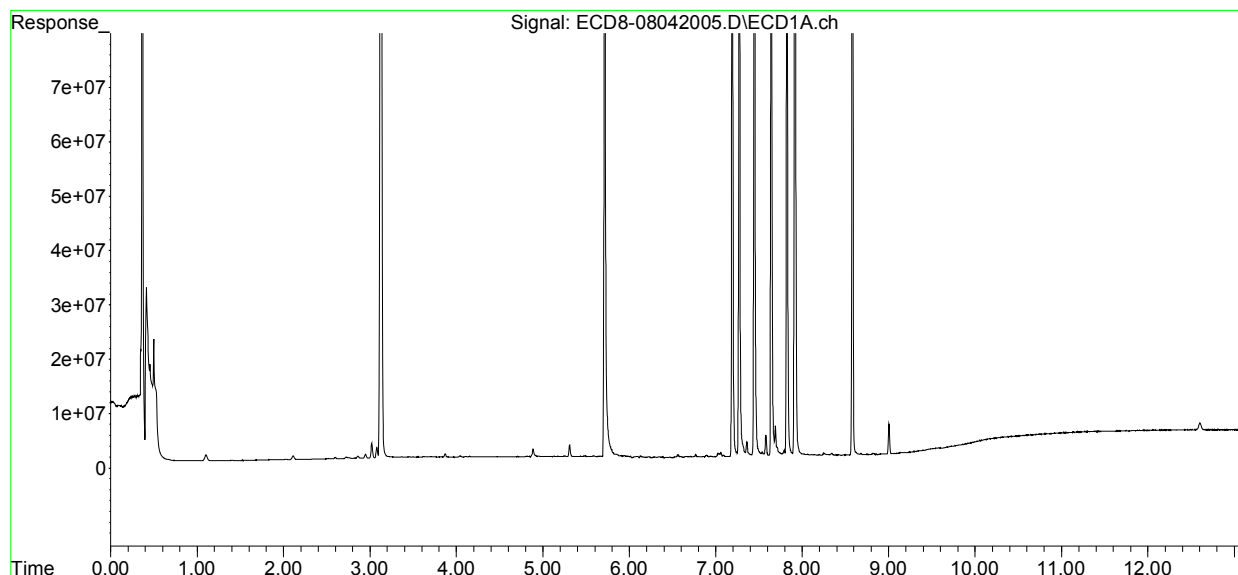
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----|--------------|-------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.917 | 8.787  | 205.7E6 | 195.6E6 | 50.130   | 52.333     |
| 31) | Mirex        | 8.579 | 9.712  | 135.9E6 | 121.8E6 | 51.889   | 54.902     |
| 32) | Chlordane... | 7.359 | 8.150  | 2686925 | 125.7E6 | 5.939    | 284.535 #  |
| 33) | Chlordane... | 7.447 | 8.266  | 184.6E6 | 3919265 | 335.469  | 10.529 #   |
| 34) | Chlordane... | 0.000 | 8.933  | 0       | 676460  | N.D.     | BelowCal   |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.     | N.D.       |
| 36) | Toxaphene... | 0.000 | 8.523f | 0       | 109.7E6 | N.D.     | 3629.372 # |
| 37) | Toxaphene... | 7.791 | 8.933f | 1103300 | 676460  | 30.863   | 17.214 #   |
| 38) | Toxaphene... | 8.107 | 8.933  | 203811  | 676460  | 2.705    | 10.697 #   |
| 39) | Toxaphene... | 8.344 | 9.008  | 411698  | 222650  | 1.198    | BelowCal # |
| 40) | Toxaphene... | 8.579 | 0.000  | 135.9E6 | 0       | 2433.841 | N.D. #     |
| 41) | Toxaphene... | 0.000 | 9.559  | 0       | 76676   | N.D.     | 1.184 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042005.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 15:46  
Operator : MJB  
Sample : 0H04057-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: Aug 05 12:09:10 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 16:03  
 Operator : MJB  
 Sample : 0H04057-CCB1  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

MJB 8/5/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 12:13:03 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1              | RT#2   | Resp#1           | Resp#2  | ng/mL                 | ng/mL          |
|-----------------------------|-------------------|--------|------------------|---------|-----------------------|----------------|
| -----                       |                   |        |                  |         |                       |                |
| System Monitoring Compounds |                   |        |                  |         |                       |                |
| 1) S TCMX (S)               | 5.335             | 6.023  | 310.9E6          | 353.0E6 | 83.309                | 100.550        |
| 22) S DCBP (S)              | 9.531             | 10.582 | 276.1E6          | 226.2E6 | 90.624                | 100.669        |
| Target Compounds            |                   |        |                  |         |                       |                |
| 2) a-BHC                    | 5.893             | 0.000  | 24879            | 0       | 0.005                 | N.D. #         |
| 3) g-BHC                    | 0.000             | 6.932  | 0                | 19898   | N.D.                  | 0.004 #        |
| 4) b-BHC                    | 6.248             | 7.000  | 99247            | 20604   | 0.050                 | 0.011 #        |
| 5) Heptachlor               | 6.580             | 7.315  | 17521            | 21334   | 0.004                 | BelowCal #     |
| 6) d-BHC                    | 0.000             | 7.270  | 0                | 42052   | N.D.                  | 0.043 #        |
| 7) Aldrin                   | 6.789             | 7.605f | 22997            | 72885   | 0.005                 | 0.011 #        |
| 8) Heptachlo...             | 7.265             | 8.037  | 11424            | 16144   | 0.003                 | 0.004 #        |
| 9) trans-Chl...             | 7.341             | 8.164  | 17272            | 10487   | 0.004                 | 0.003 #        |
| 10) cis-Chlor...            | 7.468             | 8.266  | 8665             | 13415   | 0.002                 | 0.004 #        |
| 11) Endosulfa...            | 7.524f            | 8.317  | 34419            | 12661   | 0.009                 | 0.004 #        |
| 12) 4,4'-DDE                | 7.524             | 8.360  | 34419            | 5961    | 0.008                 | 0.020 #        |
| 13) Dieldrin                | 7.719             | 8.514  | 47643            | 27479   | 0.011                 | 0.007 #        |
| 14) Endrin                  | 7.876             | 8.746  | 52659            | 34464   | 0.017                 | BelowCal #     |
| 15) 4,4'-DDD                | 7.939             | 8.788  | 12304            | 21478   | 0.004                 | 0.015 #        |
| 16) Endosulfa...            | 8.046             | 8.906  | 13166            | 26139   | 0.004                 | 0.009 #        |
| 17) 4,4'-DDT                | 8.136             | 9.020  | 9891             | 57726   | 0.003                 | 0.007 #        |
| 18) Endrin Al...            | 8.337             | 9.111  | 133060           | 118597  | 0.040                 | 0.042          |
| 19) Endosulfa...            | 8.653             | 9.295f | 20709            | 69967   | 0.007                 | BelowCal #     |
| 20) Methoxychlor            | 8.479             | 9.494  | 68951            | 81599   | 0.045                 | 0.055          |
| 21) Endrin Ke...            | 8.825             | 0.000  | 313302           | 0       | 0.136                 | N.D. #         |
| 23) Hexachlor...            | 3.125             | 3.749f | 87604            | 93770   | BelowCal              | BelowCal       |
| 24) Hexachlor...            | 5.718             | 6.491  | 560887           | 33826   | BelowCal              | BelowCal       |
| 25) Oxychlorane             | <del>7.157f</del> | 7.961  | <del>13325</del> | 20532   | <del>104477.347</del> | BelowCal #     |
| 26) 2,4'-DDE                | 7.265             | 8.164  | 11424            | 10487   | BelowCal              | BelowCal Q-DEL |
| 27) trans-Non...            | 7.430             | 8.218  | 10181            | 19407   | BelowCal              | BelowCal       |
| 28) 2,4'-DDD                | 7.628             | 8.526  | 14771            | 22438   | BelowCal              | BelowCal       |
| 29) 2,4'-DDT                | 7.827             | 8.746  | 14812            | 34464   | BelowCal              | BelowCal       |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 16:03  
 Operator : MJB  
 Sample : 0H04057-CCB1  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 12:13:03 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

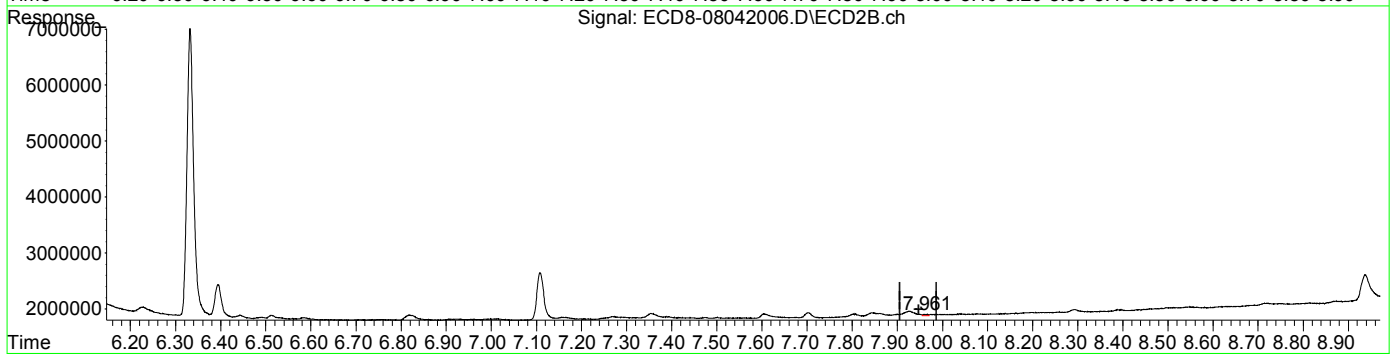
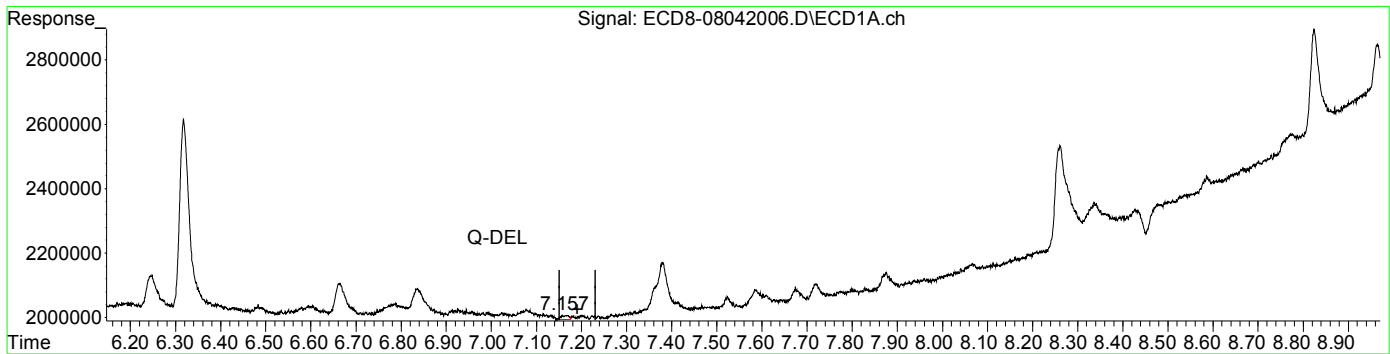
|     | Compound     | RT#1             | RT#2  | Resp#1           | Resp#2 | ng/mL                 | ng/mL    |         |
|-----|--------------|------------------|-------|------------------|--------|-----------------------|----------|---------|
| 30) | cis-Nonac... | 7.910            | 8.788 | 7466             | 21478  | BelowCal              | BelowCal |         |
| 31) | Mirex        | <del>8.586</del> | 0.000 | <del>68984</del> | 0      | <del>14904.427</del>  | Q-DEL    | N.D. #  |
| 32) | Chlordane... | 7.380            | 8.164 | 156201           | 10487  | 0.345                 | 0.024    | #       |
| 33) | Chlordane... | 7.468            | 8.266 | 8665             | 13415  | 0.016                 | 0.036    | #       |
| 34) | Chlordane... | 7.997            | 8.938 | 10378            | 481507 | 0.072                 | BelowCal | #       |
| 35) | Chlordane... | 0.000            | 0.000 | 0                | 0      | N.D.                  | N.D.     |         |
| 36) | Toxaphene... | 7.468f           | 8.550 | 8665             | 27839  | 0.504                 | 0.921    | #       |
| 37) | Toxaphene... | <del>7.791</del> | 8.906 | <del>13032</del> | 26139  | <del>125255.048</del> | Q-DEL    | 0.665 # |
| 38) | Toxaphene... | 8.094            | 8.938 | 9301             | 481507 | 0.123                 | 7.614    | #       |
| 39) | Toxaphene... | 8.337            | 8.997 | 133060           | 67274  | BelowCal              | BelowCal |         |
| 40) | Toxaphene... | 8.566            | 9.180 | 36036            | 44150  | 0.645                 | 0.778    |         |
| 41) | Toxaphene... | 8.614            | 9.551 | 35075            | 95101  | 0.456                 | 1.469    | #       |
| 42) | Toxaphene... | 0.000            | 0.000 | 0                | 0      | N.D.                  | N.D.     |         |

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 16:03  
Operator : MJB  
Sample : 0H04057-CCB1  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 12:13:03 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(25) Oxychlordane  
~~7.157min 104477.347 ng/mL~~  
response ~~13325~~

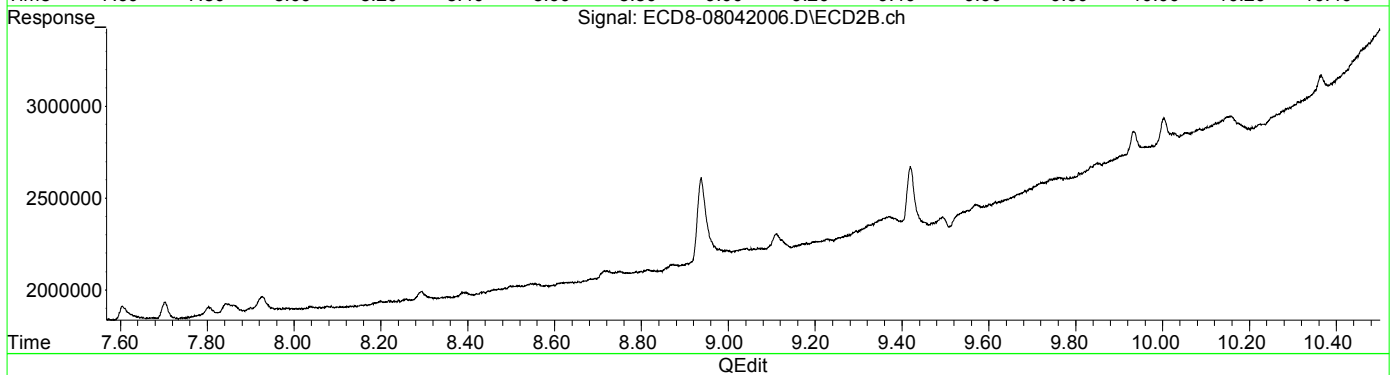
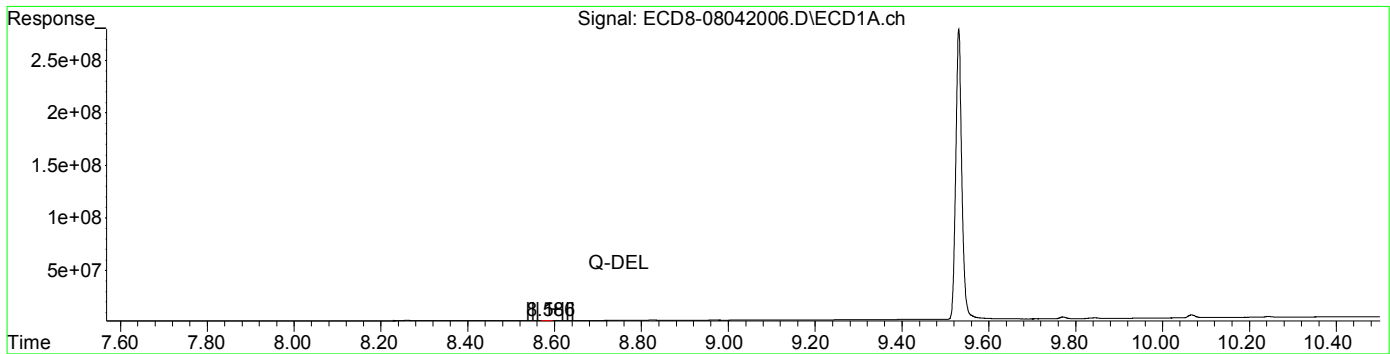
MJB 8/5/20

(25) Oxychlordane #2  
7.961min -0.231 ng/mL  
response 20532

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 16:03  
Operator : MJB  
Sample : 0H04057-CCB1  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 12:13:03 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(31) Mirex  
~~8.586 min 14904.427 ng/mL~~  
response ~~68984~~

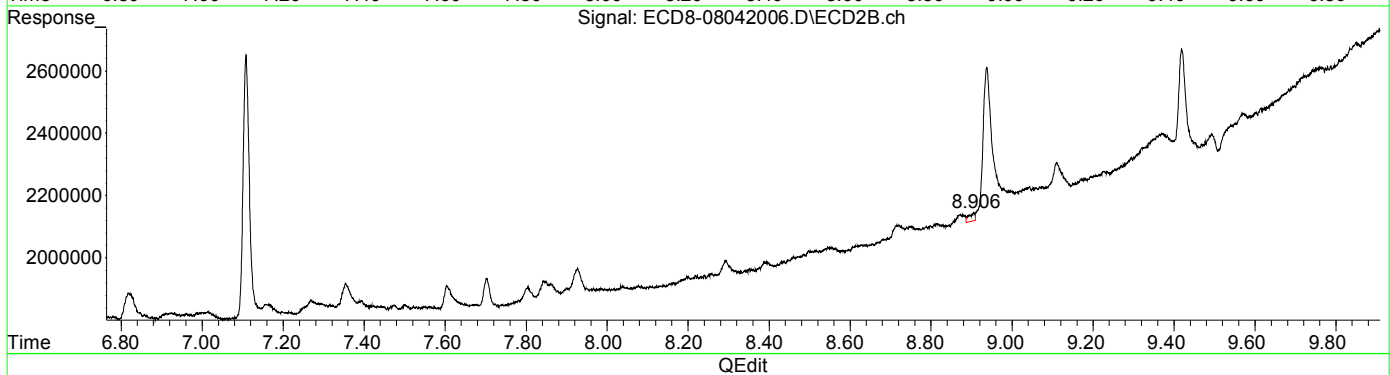
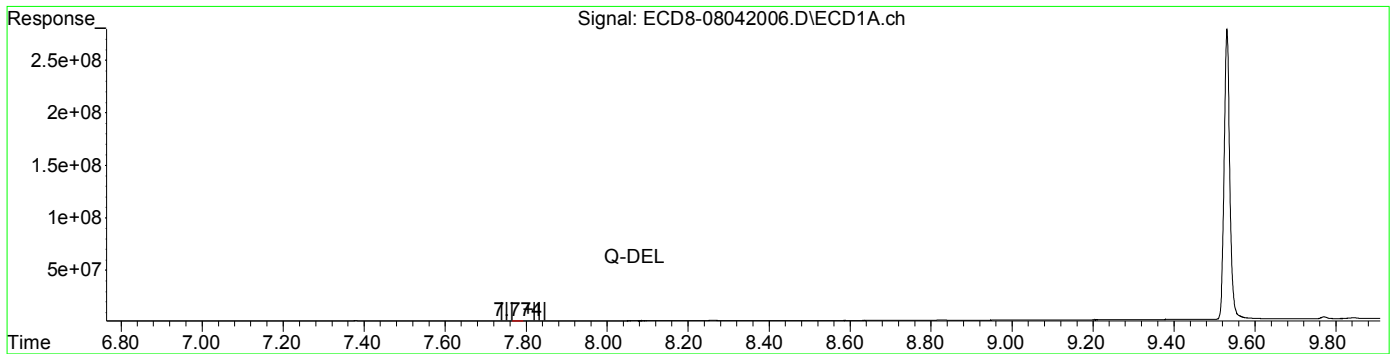
MJB 8/5/20

(31) Mirex #2  
0.000 min 0.000 ng/mL  
response 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 16:03  
Operator : MJB  
Sample : 0H04057-CCB1  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 12:13:03 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(37) Toxaphene (2)  
~~7.701min 125255.048 ng/mL~~  
response ~~43032~~

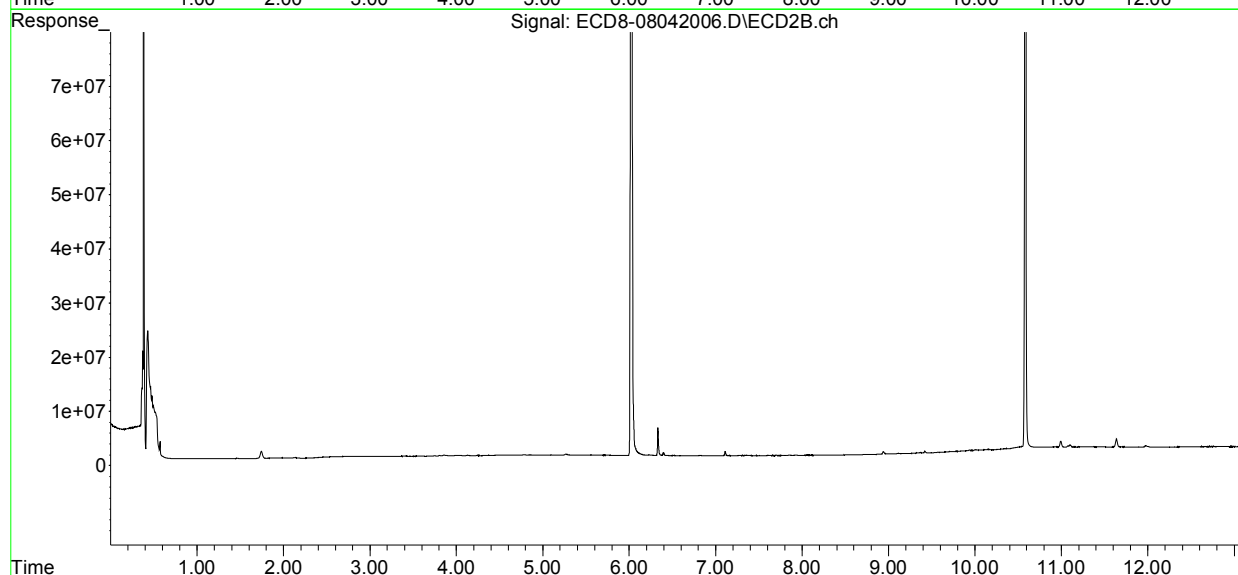
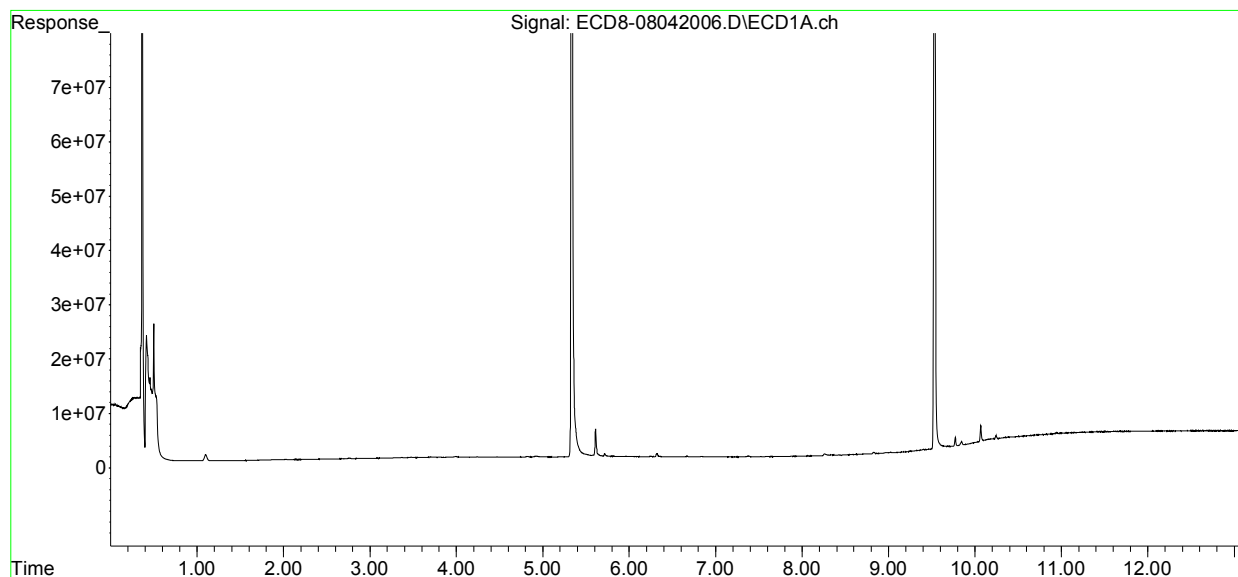
MJB 8/5/20

(37) Toxaphene (2) #2  
8.906min 0.665 ng/mL  
response 26139

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 16:03  
Operator : MJB  
Sample : 0H04057-CCB1  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 12:13:03 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:06  
 Operator : MJB  
 Sample : 0H04057-CCV3  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 13:03:54 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 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)               | 5.333 | 6.021  | 326.1E6 | 380.4E6 | 87.371   | 108.363           |
| 22) S DCBP (S)              | 9.528 | 10.579 | 290.6E6 | 236.7E6 | 95.380   | 105.005           |
| Target Compounds            |       |        |         |         |          |                   |
| 2) a-BHC                    | 5.875 | 6.626  | 460.6E6 | 527.7E6 | 93.546   | 102.911           |
| 3) g-BHC                    | 6.158 | 6.943  | 385.9E6 | 444.3E6 | 87.238   | 98.225            |
| 4) b-BHC                    | 6.237 | 7.007  | 148.9E6 | 181.8E6 | 74.994   | Q-31 96.442 #     |
| 5) Heptachlor               | 6.563 | 7.315  | 410.6E6 | 447.5E6 | 96.979   | 101.648           |
| 6) d-BHC                    | 6.388 | 7.262  | 304.6E6 | 430.0E6 | 73.846   | Q-31 98.573 #     |
| 7) Aldrin                   | 6.803 | 7.581  | 419.7E6 | 422.9E6 | 96.182   | 100.381           |
| 8) Heptachlo...             | 7.263 | 8.018  | 383.9E6 | 377.9E6 | 94.791   | 103.223           |
| 9) trans-Chl...             | 7.358 | 8.157  | 381.5E6 | 392.6E6 | 92.199   | 105.952           |
| 10) cis-Chlor...            | 7.454 | 8.264  | 372.5E6 | 378.0E6 | 90.827   | 106.539           |
| 11) Endosulfa...            | 7.551 | 8.315  | 347.8E6 | 345.6E6 | 92.169   | 104.343           |
| 12) 4,4'-DDE                | 7.522 | 8.370  | 353.2E6 | 395.6E6 | 86.402   | 98.144            |
| 13) Dieldrin                | 7.723 | 8.516  | 406.0E6 | 417.3E6 | 96.004   | 113.471           |
| 14) Endrin                  | 7.886 | 8.744  | 286.6E6 | 286.8E6 | 94.800   | 101.161           |
| 15) 4,4'-DDD                | 7.942 | 8.786  | 275.6E6 | 322.2E6 | 82.526   | 96.758            |
| 16) Endosulfa...            | 8.044 | 8.891  | 276.7E6 | 312.7E6 | 85.567   | 106.584           |
| 17) 4,4'-DDT                | 8.138 | 9.012  | 281.9E6 | 320.6E6 | 91.220   | 101.736           |
| 18) Endrin Al...            | 8.334 | 9.127  | 264.5E6 | 287.7E6 | 80.318   | 101.047 #         |
| 19) Endosulfa...            | 8.634 | 9.318  | 266.0E6 | 301.6E6 | 91.854   | 107.630           |
| 20) Methoxychlor            | 8.482 | 9.492  | 124.4E6 | 144.9E6 | 82.097   | 97.713            |
| 21) Endrin Ke...            | 8.827 | 9.719  | 297.4E6 | 335.7E6 | 128.660  | Q-41 153.454 Q-41 |
| 23) Hexachlor...            | 0.000 | 3.740  | 0       | 14507   | N.D.     | BelowCal          |
| 24) Hexachlor...            | 5.716 | 6.487  | 719685  | 33420   | BelowCal | BelowCal          |
| 25) Oxychlorane             | 7.200 | 7.933  | 1578559 | 648820  | 0.278    | BelowCal #        |
| 26) 2,4'-DDE                | 7.263 | 8.157  | 383.9E6 | 392.6E6 | 144.387  | 148.242           |
| 27) trans-Non...            | 7.454 | 8.212  | 372.5E6 | 1862319 | 98.612   | 0.333 #           |
| 28) 2,4'-DDD                | 7.637 | 8.516  | 1910004 | 417.3E6 | 0.660    | 174.020 #         |
| 29) 2,4'-DDT                | 7.822 | 8.744  | 1391317 | 286.8E6 | 0.417    | 121.145 #         |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:06  
 Operator : MJB  
 Sample : 0H04057-CCV3  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 13:03:54 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

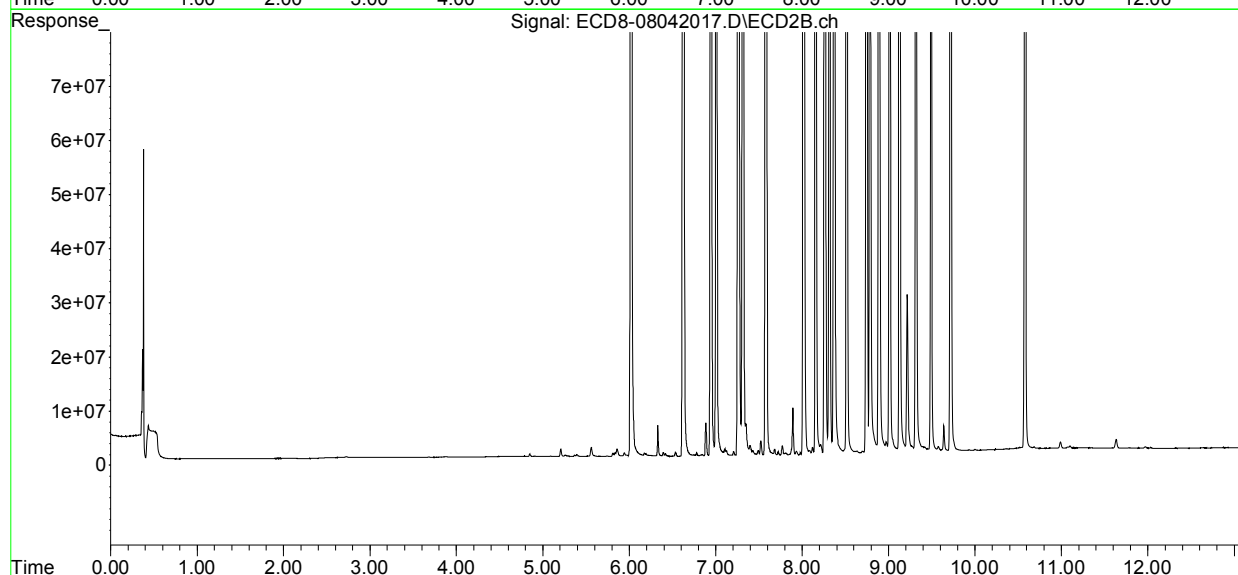
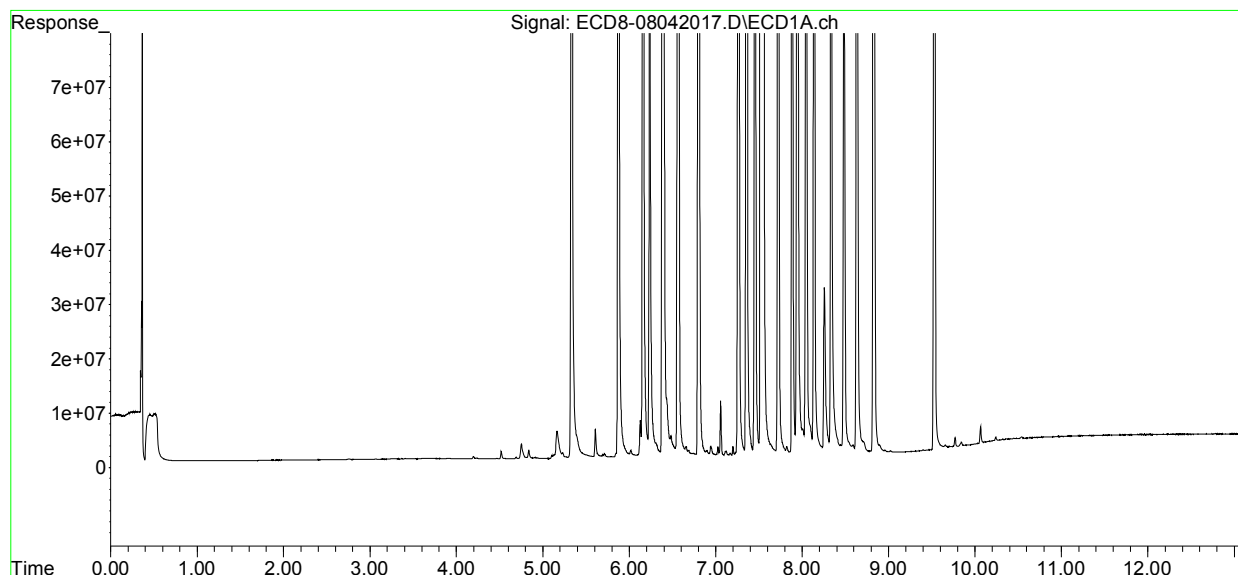
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2   | ng/mL     | ng/mL       |
|-----|--------------|--------|--------|---------|----------|-----------|-------------|
| 30) | cis-Nonac... | 7.942f | 8.786  | 275.6E6 | 322.2E6  | 67.053    | 83.445      |
| 31) | Mirex        | 8.586  | 9.719  | 1521431 | 335.7E6  | 0.295     | 141.786 #   |
| 32) | Chlordane... | 7.358  | 8.157  | 381.5E6 | 392.6E6  | 843.255   | 888.599     |
| 33) | Chlordane... | 7.454  | 8.264  | 372.5E6 | 378.0E6  | 677.003   | 1015.510 #  |
| 34) | Chlordane... | 8.005  | 8.891f | 4641336 | 312.7E6  | 32.001    | 2327.801 #  |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0        | N.D.      | N.D.        |
| 36) | Toxaphene... | 7.522f | 8.516f | 353.2E6 | 417.3E6  | 20533.931 | 13801.582 # |
| 37) | Toxaphene... | 0.000  | 8.891  | 0       | 312.7E6  | N.D.      | 7957.158 #  |
| 38) | Toxaphene... | 0.000  | 8.973f | 0       | 2129962  | N.D.      | 33.682 #    |
| 39) | Toxaphene... | 8.334  | 9.012  | 264.5E6 | 320.6E6  | 3462.289  | 2690.526    |
| 40) | Toxaphene... | 8.586f | 9.216f | 1521431 | 29299322 | 27.241    | 516.055 #   |
| 41) | Toxaphene... | 8.634  | 9.575  | 266.0E6 | 1200130  | 3460.644  | 18.535 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:06  
Operator : MJB  
Sample : 0H04057-CCV3  
Misc : A20E233, AB 100 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 13:03:54 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:22  
 Operator : MJB  
 Sample : 0H04057-CCV4  
 Misc : A20C359, 9-42 100 ppb  
 ALS Vial : 6 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 13:05:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2  | ng/mL    | ng/mL        |
|-----------------------------|--------|--------|----------|---------|----------|--------------|
| -----                       |        |        |          |         |          |              |
| System Monitoring Compounds |        |        |          |         |          |              |
| 1) S TCMX (S)               | 5.308f | 6.014  | 4052821  | 30405   | 1.086    | 0.009 #      |
| 22) S DCBP (S)              | 9.535  | 10.588 | 200445   | 426923  | BelowCal | BelowCal     |
| Target Compounds            |        |        |          |         |          |              |
| 2) a-BHC                    | 0.000  | 0.000  | 0        | 0       | N.D.     | N.D.         |
| 3) g-BHC                    | 6.129f | 6.943  | 687583   | 33125   | 0.155    | 0.008 #      |
| 4) b-BHC                    | 6.246  | 7.016  | 46732    | 50560   | 0.024    | 0.027        |
| 5) Heptachlor               | 6.566  | 7.316  | 857595   | 866537  | 0.203    | 0.194        |
| 6) d-BHC                    | 6.363f | 7.269  | 534649   | 98864   | 0.130    | 0.058 #      |
| 7) Aldrin                   | 6.821  | 7.569  | 15605    | 66502   | 0.004    | 0.009 #      |
| 8) Heptachlo...             | 7.272  | 8.048f | 222.3E6  | 785548  | 54.886   | 0.215 #      |
| 9) trans-Chl...             | 7.358  | 8.150  | 5194804  | 243.0E6 | 1.256    | 65.569 #     |
| 10) cis-Chlor...            | 7.447  | 8.265  | 351.4E6  | 8863800 | 85.690   | 2.498 #      |
| 11) Endosulfa...            | 7.537  | 8.328  | 1833629  | 1347465 | 0.486    | 0.407        |
| 12) 4,4'-DDE                | 7.537  | 8.374  | 1833629  | 349848  | 0.449    | 0.120 #      |
| 13) Dieldrin                | 7.688f | 8.521  | 11572255 | 217.6E6 | 2.736    | 59.179 #     |
| 14) Endrin                  | 7.915f | 8.746  | 371.7E6  | 228.1E6 | 122.924  | 82.703 #     |
| 15) 4,4'-DDD                | 7.915f | 8.785  | 371.7E6  | 385.1E6 | 111.283  | 112.954      |
| 16) Endosulfa...            | 8.060  | 0.000  | 520327   | 0       | 0.161    | N.D. #       |
| 17) 4,4'-DDT                | 8.139  | 9.011  | 341776   | 302358  | 0.111    | 0.102        |
| 18) Endrin Al...            | 8.343  | 9.129  | 897714   | 223597  | 0.273    | 0.079 #      |
| 19) Endosulfa...            | 0.000  | 9.320  | 0        | 107171  | N.D.     | BelowCal     |
| 20) Methoxychlor            | 8.479  | 9.480  | 14978    | 88426   | 0.010    | 0.060 #      |
| 21) Endrin Ke...            | 8.827  | 9.709  | 486347   | 239.9E6 | 0.210    | 116.733 #    |
| 23) Hexachlor...            | 3.125  | 3.720  | 415.4E6  | 506.9E6 | 119.342  | 121.923 Q-41 |
| 24) Hexachlor...            | 5.714  | 6.487  | 297.4E6  | 352.3E6 | 82.184   | 95.907       |
| 25) Oxychlorane             | 7.191  | 7.947  | 314.1E6  | 319.8E6 | 91.837   | 99.962       |
| 26) 2,4'-DDE                | 7.272  | 8.150  | 222.3E6  | 243.0E6 | 84.865   | 97.311       |
| 27) trans-Non...            | 7.447  | 8.220  | 351.4E6  | 363.3E6 | 93.047   | 101.544      |
| 28) 2,4'-DDD                | 7.644  | 8.521  | 185.3E6  | 217.6E6 | 81.645   | 98.796       |
| 29) 2,4'-DDT                | 7.824  | 8.746  | 208.7E6  | 228.1E6 | 87.245   | 99.001       |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:22  
 Operator : MJB  
 Sample : 0H04057-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: Aug 05 13:05:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

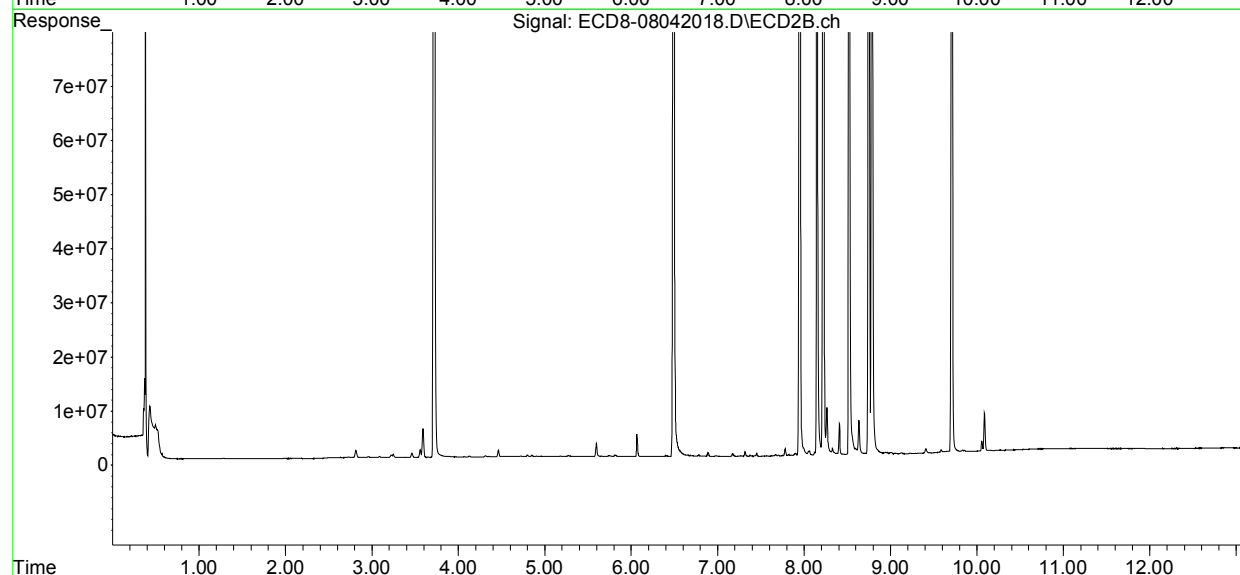
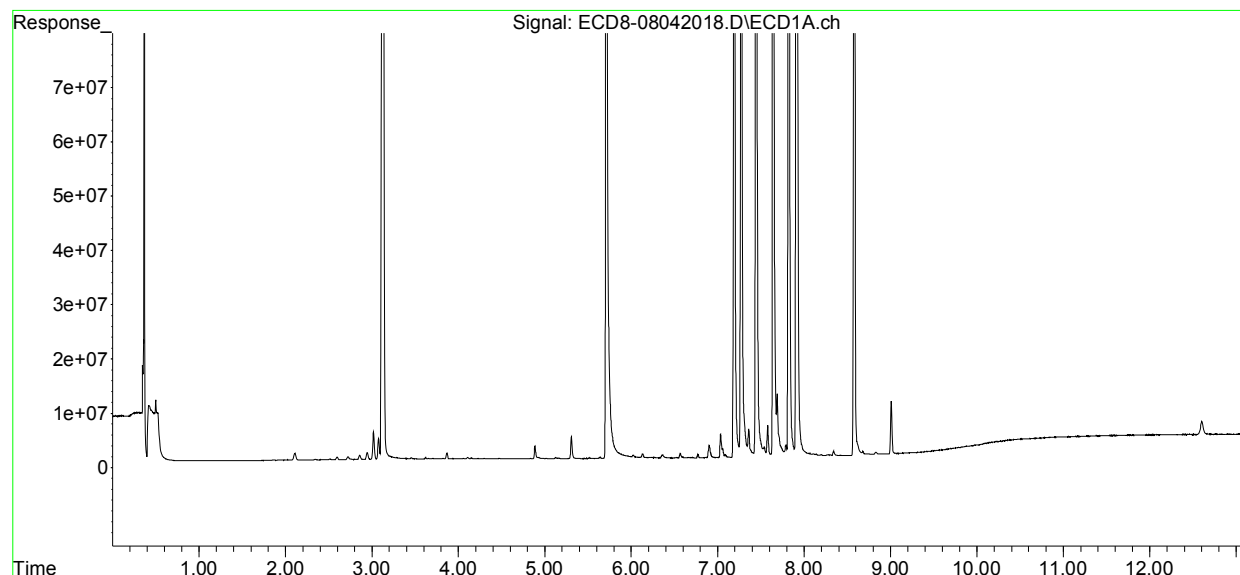
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----|--------------|-------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.915 | 8.785  | 371.7E6 | 385.1E6 | 90.166   | 98.207     |
| 31) | Mirex        | 8.578 | 9.709  | 251.9E6 | 239.9E6 | 96.693   | 104.267    |
| 32) | Chlordane... | 7.358 | 8.150  | 5194804 | 243.0E6 | 11.483   | 549.910 #  |
| 33) | Chlordane... | 7.447 | 8.265  | 351.4E6 | 8863800 | 638.714  | 23.813 #   |
| 34) | Chlordane... | 0.000 | 8.940  | 0       | 389185  | N.D.     | BelowCal   |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.     | N.D.       |
| 36) | Toxaphene... | 0.000 | 8.521f | 0       | 217.6E6 | N.D.     | 7198.038 # |
| 37) | Toxaphene... | 7.791 | 0.000  | 2130915 | 0       | 62.525   | N.D. #     |
| 38) | Toxaphene... | 8.105 | 8.940  | 395253  | 389185  | 5.246    | 6.154      |
| 39) | Toxaphene... | 8.343 | 8.997  | 897714  | 318531  | 8.498    | BelowCal # |
| 40) | Toxaphene... | 8.578 | 9.158  | 251.9E6 | 69540   | 4510.136 | 1.225 #    |
| 41) | Toxaphene... | 0.000 | 9.584f | 0       | 616768  | N.D.     | 9.526 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042018.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:22  
Operator : MJB  
Sample : 0H04057-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: Aug 05 13:05:13 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:39  
 Operator : MJB  
 Sample : 0H04057-CCB2  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 13:07:23 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1             | RT#2   | Resp#1           | Resp#2  | ng/mL                 | ng/mL          |
|-----------------------------|------------------|--------|------------------|---------|-----------------------|----------------|
| -----                       |                  |        |                  |         |                       |                |
| System Monitoring Compounds |                  |        |                  |         |                       |                |
| 1) S TCMX (S)               | 5.333            | 6.021  | 312.5E6          | 357.8E6 | 83.725                | 101.915        |
| 22) S DCBP (S)              | 9.527            | 10.579 | 280.8E6          | 226.2E6 | 92.170                | 100.695        |
| Target Compounds            |                  |        |                  |         |                       |                |
| 2) a-BHC                    | 5.894            | 0.000  | 22927            | 0       | 0.005                 | N.D. #         |
| 3) g-BHC                    | 0.000            | 6.908f | 0                | 4270    | N.D.                  | 0.000 #        |
| 4) b-BHC                    | 6.253            | 0.000  | 74932            | 0       | 0.038                 | N.D. #         |
| 5) Heptachlor               | 0.000            | 7.313  | 0                | 10216   | N.D.                  | BelowCal       |
| 6) d-BHC                    | 6.376            | 7.266  | 23956            | 40709   | 0.006                 | 0.043 #        |
| 7) Aldrin                   | 0.000            | 7.558f | 0                | 13159   | N.D.                  | BelowCal       |
| 8) Heptachlo...             | 0.000            | 8.020  | 0                | 12482   | N.D.                  | 0.003 #        |
| 9) trans-Chl...             | 7.385f           | 8.150  | 126208           | 9828    | 0.031                 | 0.003 #        |
| 10) cis-Chlor...            | 0.000            | 8.267  | 0                | 8474    | N.D.                  | 0.002 #        |
| 11) Endosulfa...            | 7.542            | 8.319  | 14741            | 19093   | 0.004                 | 0.006 #        |
| 12) 4,4'-DDE                | 7.527            | 8.352  | 23414            | 15030   | 0.006                 | 0.023 #        |
| 13) Dieldrin                | 7.725            | 8.522  | 34757            | 16706   | 0.008                 | 0.005 #        |
| 14) Endrin                  | 7.883            | 8.741  | 40304            | 38444   | 0.013                 | BelowCal #     |
| 15) 4,4'-DDD                | 7.955            | 8.786  | 12612            | 18460   | 0.004                 | 0.014 #        |
| 16) Endosulfa...            | 8.052            | 8.893  | 21861            | 31694   | 0.007                 | 0.011 #        |
| 17) 4,4'-DDT                | 8.144            | 9.017  | 11330            | 61749   | 0.004                 | 0.008 #        |
| 18) Endrin Al...            | 8.340            | 9.126  | 128350           | 115405  | 0.039                 | 0.041          |
| 19) Endosulfa...            | 8.636            | 9.332  | 31648            | 112026  | 0.011                 | BelowCal #     |
| 20) Methoxychlor            | 8.479            | 9.495  | 68731            | 79271   | 0.045                 | 0.053          |
| 21) Endrin Ke...            | 8.828            | 9.727  | 255960           | 221303  | 0.111                 | 0.026 #        |
| 23) Hexachlor...            | 3.126            | 3.720  | 25190            | 15147   | BelowCal              | BelowCal       |
| 24) Hexachlor...            | 5.716            | 6.485  | 591982           | 50937   | BelowCal              | BelowCal       |
| 25) Oxychlorane             | <del>7.174</del> | 7.931  | <del>13452</del> | 76233   | <del>104477.347</del> | BelowCal #     |
| 26) 2,4'-DDE                | 0.000            | 8.150  | 0                | 9828    | N.D.                  | BelowCal Q-DEL |
| 27) trans-Non...            | 7.410f           | 8.224  | 42745            | 12018   | BelowCal              | BelowCal       |
| 28) 2,4'-DDD                | 7.668f           | 8.522  | 8497             | 16706   | BelowCal              | BelowCal       |
| 29) 2,4'-DDT                | 7.829            | 8.741  | 13250            | 38444   | BelowCal              | BelowCal       |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:39  
 Operator : MJB  
 Sample : 0H04057-CCB2  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 13:07:23 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

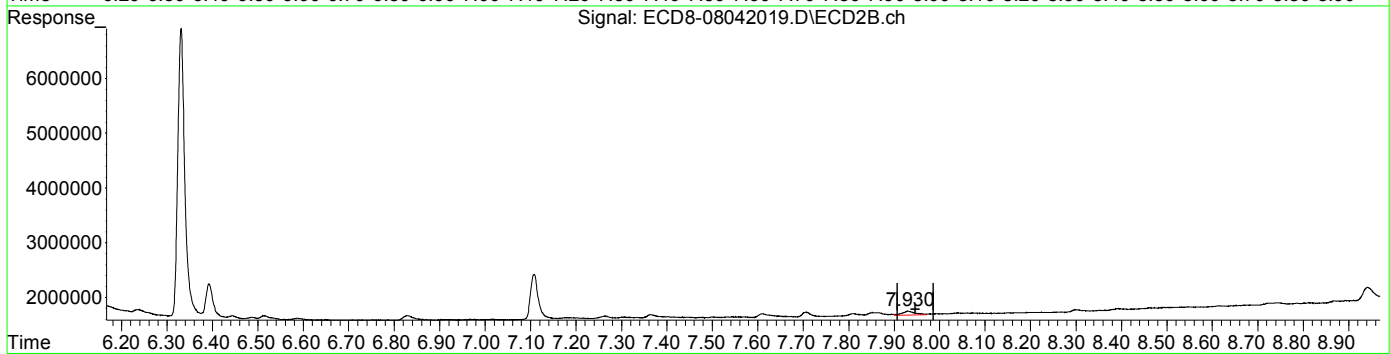
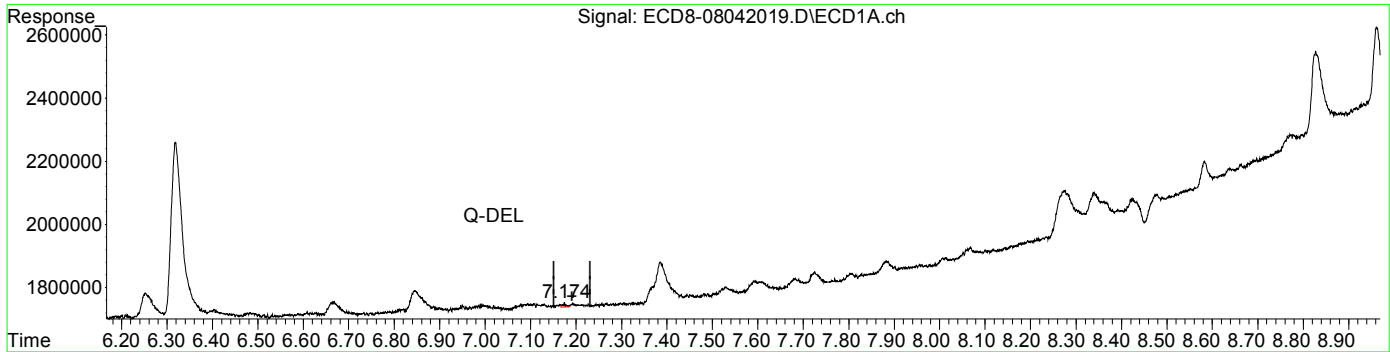
|     | Compound     | RT#1             | RT#2  | Resp#1           | Resp#2 | ng/mL                 | ng/mL         |
|-----|--------------|------------------|-------|------------------|--------|-----------------------|---------------|
| 30) | cis-Nonac... | 7.916            | 8.786 | 11061            | 18460  | BelowCal              | BelowCal      |
| 31) | Mirex        | <del>8.583</del> | 9.727 | <del>95501</del> | 221303 | <del>14904.417</del>  | BelowCal #    |
| 32) | Chlordane... | 7.385f           | 8.150 | 126208           | 9828   | 0.279                 | Q-DEL 0.022 # |
| 33) | Chlordane... | 0.000            | 8.267 | 0                | 8474   | N.D.                  | 0.023 #       |
| 34) | Chlordane... | 8.007            | 8.941 | 18696            | 259861 | 0.129                 | BelowCal #    |
| 35) | Chlordane... | 0.000            | 0.000 | 0                | 0      | N.D.                  | N.D.          |
| 36) | Toxaphene... | 7.509            | 8.551 | 11042            | 13119  | 0.642                 | 0.434 #       |
| 37) | Toxaphene... | <del>7.798</del> | 8.898 | <del>14315</del> | 27230  | <del>125255.009</del> | Q-DEL 0.693 # |
| 38) | Toxaphene... | 8.100            | 8.941 | 17779            | 259861 | 0.236                 | 4.109 #       |
| 39) | Toxaphene... | 8.340            | 9.008 | 128350           | 59249  | BelowCal              | BelowCal      |
| 40) | Toxaphene... | 8.561            | 9.175 | 28968            | 47563  | 0.519                 | 0.838 #       |
| 41) | Toxaphene... | 8.631            | 9.565 | 25617            | 166393 | 0.333                 | 2.570 #       |
| 42) | Toxaphene... | 0.000            | 0.000 | 0                | 0      | N.D.                  | N.D.          |

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:39  
Operator : MJB  
Sample : 0H04057-CCB2  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 13:07:23 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(25) Oxychlordane  
~~7.174min -104477.347 ng/mL~~  
response ~~13452~~

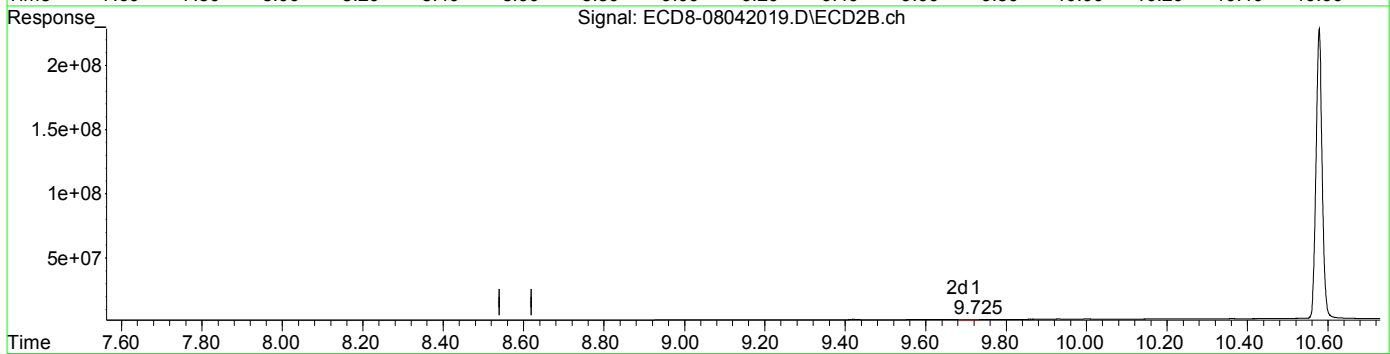
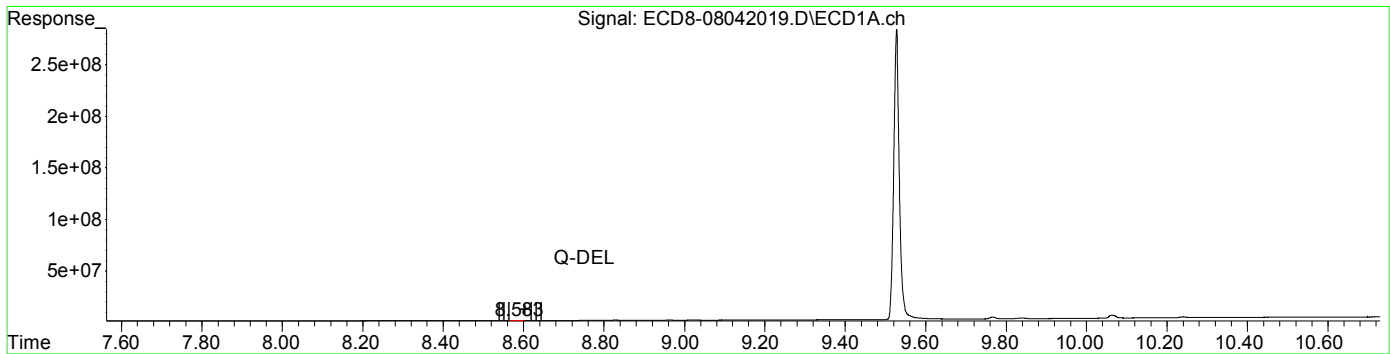
MJB 8/5/20

(25) Oxychlordane #2  
7.931min -0.211 ng/mL  
response 76233

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:39  
Operator : MJB  
Sample : 0H04057-CCB2  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 13:07:23 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



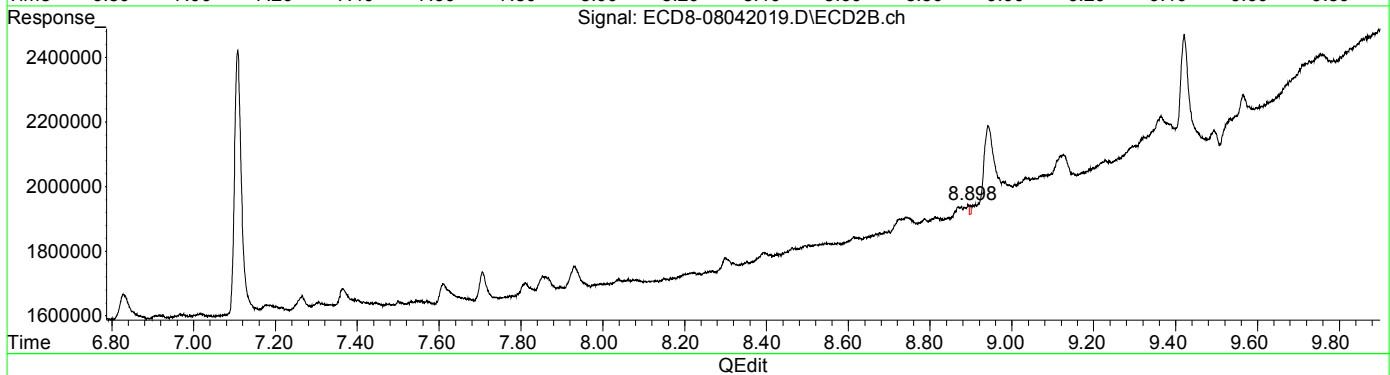
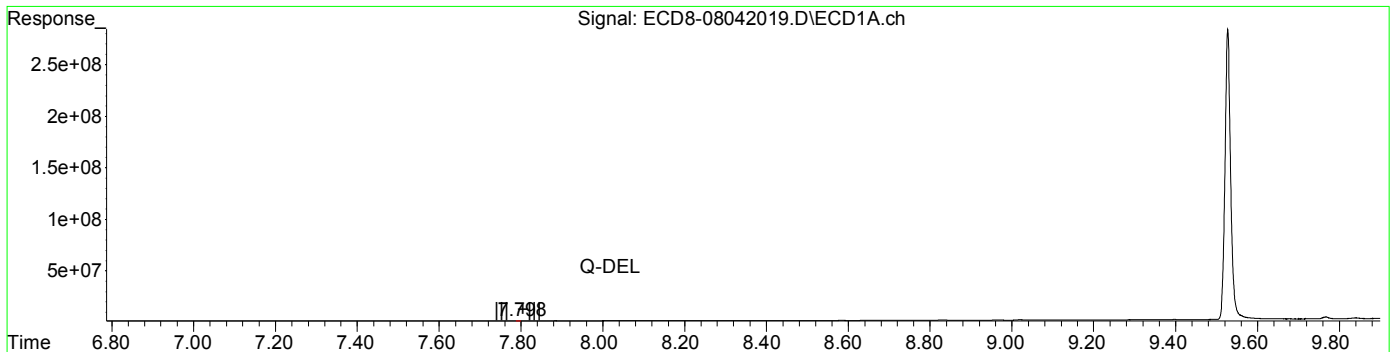
QEdit

|                                     |                   |
|-------------------------------------|-------------------|
| (31) Mirex                          | <i>MJB 8/5/20</i> |
| <del>8.583min 14904.417 ng/mL</del> |                   |
| response <del>95504</del>           |                   |
| <br>(31) Mirex #2                   |                   |
| 9.727min -0.309 ng/mL               |                   |
| response 221303                     |                   |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:39  
Operator : MJB  
Sample : 0H04057-CCB2  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 13:07:23 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(37) Toxaphene (2)  
~~7.798min 125255.009 ng/mL~~  
response ~~14315~~

MJB 8/5/20

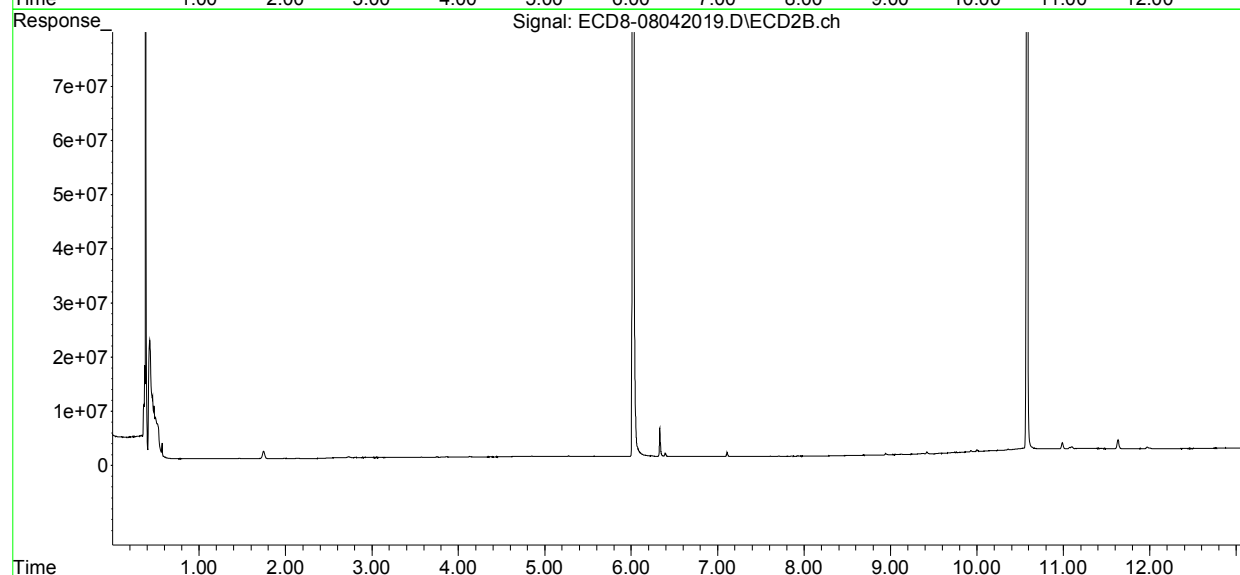
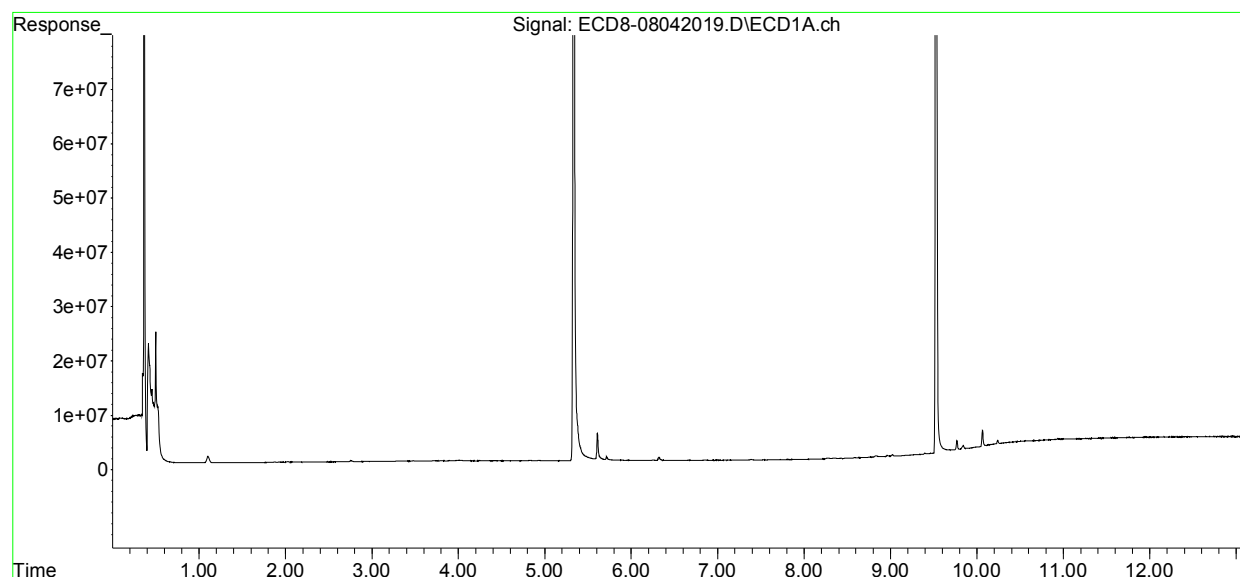
(37) Toxaphene (2) #2  
8.898min 0.693 ng/mL  
response 27230



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:39  
Operator : MJB  
Sample : 0H04057-CCB2  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 13:07:23 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042020.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:55  
 Operator : MJB  
 Sample : 0080030-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 18 Sample Multiplier: 1

*AML 08/05/20*

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:29:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|----------|---------|------------|------------|
| -----                       |        |        |          |         |            |            |
| System Monitoring Compounds |        |        |          |         |            |            |
| 1) S TCMX (S)               | 5.332  | 6.020  | 257.8E6  | 283.2E6 | 69.058     | 80.671     |
| 22) S DCBP (S)              | 9.525  | 10.577 | 275.8E6  | 206.0E6 | 90.526     | 92.339     |
| Target Compounds            |        |        |          |         |            |            |
| 2) a-BHC                    | 5.883  | 0.000  | 1232996  | 0       | 0.250      | N.D. #     |
| 3) g-BHC                    | 6.127f | 0.000  | 1603836  | 0       | 0.363      | N.D. #     |
| 4) b-BHC                    | 6.233  | 6.985f | 541477   | 112473  | 0.273      | 0.060 #    |
| 5) Heptachlor               | 6.571  | 7.296  | 83774    | 367937  | 0.020      | 0.063 #    |
| 6) d-BHC                    | 6.425f | 7.240f | 11135    | 148433  | 0.003      | 0.071 #    |
| 7) Aldrin                   | 6.816  | 7.615f | 105418   | 142805  | 0.024      | 0.030 #    |
| 8) Heptachlo...             | 7.270  | 8.018  | 103639   | 35637   | 0.026      | 0.010 #    |
| 9) trans-Chl...             | 7.357  | 8.148  | 86992    | 131385  | 0.021      | 0.035 #    |
| 10) cis-Chlor...            | 7.452  | 8.264  | 24327    | 30411   | 0.006      | 0.009 #    |
| 11) Endosulfa...            | 7.563  | 8.321  | 96574    | 34581   | 0.026      | 0.010 #    |
| 12) 4,4'-DDE                | 7.519  | 8.371  | 131102   | 153530  | 0.032      | 0.063 #    |
| 13) Dieldrin                | 7.717  | 8.518  | 18620    | 123715  | 0.004      | 0.034 #    |
| 14) Endrin                  | 7.886  | 8.745  | 58523    | 124465  | 0.019      | 0.017 #    |
| 15) 4,4'-DDD                | 7.952  | 8.785  | 75785    | 59816   | 0.023      | 0.028 #    |
| 16) Endosulfa...            | 8.046  | 8.894  | 106993   | 30756   | 0.033      | 0.010 #    |
| 17) 4,4'-DDT                | 8.137  | 9.010  | 49889    | 77910   | 0.016      | 0.014 #    |
| 18) Endrin Al...            | 8.347  | 9.160f | 313602   | 329679  | 0.095      | 0.116 #    |
| 19) Endosulfa...            | 8.636  | 0.000  | 23929    | 0       | 0.008      | N.D. #     |
| 20) Methoxychlor            | 8.476  | 9.489  | 2624605  | 3116494 | 1.732      | 2.102 #    |
| 21) Endrin Ke...            | 8.809f | 9.710  | 20905578 | 89545   | 9.044      | BelowCal # |
| 23) Hexachlor...            | 3.123  | 3.717  | 302499   | 367949  | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.714  | 6.504  | 657172   | 3591915 | BelowCal   | 0.863      |
| 25) Oxychlorane             | 7.159f | 7.954  | 86902    | 49064   | 104477.326 | BelowCal # |
| 26) 2,4'-DDE                | 7.270  | 8.148  | 103639   | 131385  | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.443  | 8.219  | 21481    | 17922   | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 7.642  | 8.518  | 53376    | 123715  | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.822  | 8.745  | 97561    | 124465  | BelowCal   | BelowCal   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042020.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 19:55  
 Operator : MJB  
 Sample : 0080030-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:29:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

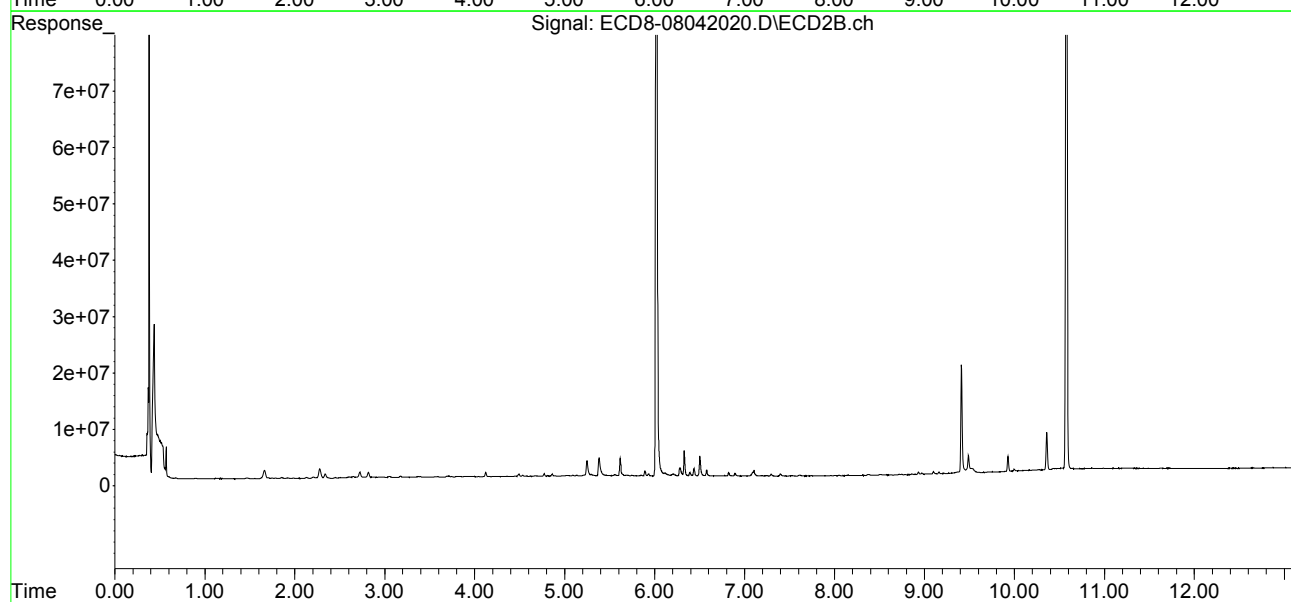
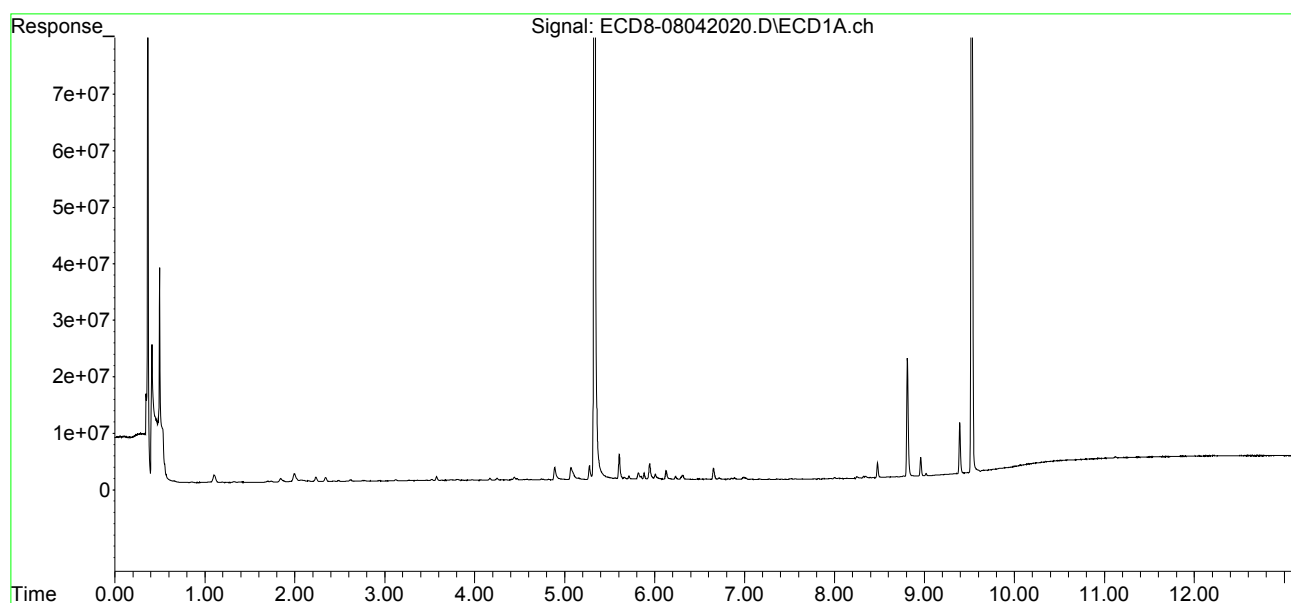
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----|--------------|-------|-------|--------|--------|------------|------------|
| 30) | cis-Nonac... | 7.911 | 8.785 | 20096  | 59816  | BelowCal   | BelowCal   |
| 31) | Mirex        | 8.579 | 9.710 | 84366  | 89545  | 14904.421  | BelowCal # |
| 32) | Chlordane... | 7.357 | 8.172 | 86992  | 27726  | 0.192      | 0.063 #    |
| 33) | Chlordane... | 7.452 | 8.264 | 24327  | 30411  | 0.044      | 0.082 #    |
| 34) | Chlordane... | 8.000 | 8.931 | 214298 | 415199 | 1.478      | BelowCal # |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D.       | N.D.       |
| 36) | Toxaphene... | 7.502 | 8.548 | 93932  | 75806  | 5.461      | 2.507 #    |
| 37) | Toxaphene... | 7.775 | 8.894 | 63885  | 30756  | 125253.482 | 0.783 #    |
| 38) | Toxaphene... | 8.083 | 8.931 | 20261  | 415199 | 0.269      | 6.566 #    |
| 39) | Toxaphene... | 8.321 | 9.010 | 317055 | 77910  | BelowCal   | BelowCal   |
| 40) | Toxaphene... | 8.550 | 9.160 | 26185  | 329679 | 0.469      | 5.807 #    |
| 41) | Toxaphene... | 8.636 | 0.000 | 23929  | 0      | 0.311      | 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\2020-08\0H04057\  
Data File : ECD8-08042020.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 19:55  
Operator : MJB  
Sample : 0080030-BLK1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:29:53 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:12  
 Operator : MJB  
 Sample : 0080030-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 19 Sample Multiplier: 1

*AML 08/05/20*

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:35:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|----------|---------|------------|------------|
| -----                       |        |        |          |         |            |            |
| System Monitoring Compounds |        |        |          |         |            |            |
| 1) S TCMX (S)               | 5.332  | 6.020  | 261.2E6  | 293.2E6 | 69.977     | 83.529     |
| 22) S DCBP (S)              | 9.525  | 10.576 | 270.6E6  | 205.9E6 | 88.817     | 92.286     |
| Target Compounds            |        |        |          |         |            |            |
| 2) a-BHC                    | 5.885  | 6.635  | 1220658  | 37544   | 0.248      | 0.049 #    |
| 3) g-BHC                    | 6.169  | 6.949  | 35390    | 184199  | 0.008      | 0.047 #    |
| 4) b-BHC                    | 6.233  | 7.006  | 509287   | 202784  | 0.257      | 0.108 #    |
| 5) Heptachlor               | 6.573  | 7.333  | 442984   | 148000  | 0.105      | 0.005 #    |
| 6) d-BHC                    | 6.422f | 7.261  | 101841   | 221192  | 0.025      | 0.091 #    |
| 7) Aldrin                   | 6.813  | 7.610f | 159978   | 259008  | 0.037      | 0.062 #    |
| 8) Heptachlo...             | 7.268  | 8.001  | 211.7E6  | 315975  | 52.288     | 0.086 #    |
| 9) trans-Chl...             | 7.379  | 8.148  | 555817   | 211.4E6 | 0.134      | 57.061 #   |
| 10) cis-Chlor...            | 7.478f | 8.267  | 157567   | 234102  | 0.038      | 0.066 #    |
| 11) Endosulfa...            | 7.518f | 8.305  | 334.7E6  | 184040  | 88.720     | 0.056 #    |
| 12) 4,4'-DDE                | 7.518  | 8.368  | 334.7E6  | 345.3E6 | 81.881     | 87.119     |
| 13) Dieldrin                | 0.000  | 8.520  | 0        | 205.2E6 | N.D.       | 55.795 #   |
| 14) Endrin                  | 0.000  | 8.745  | 0        | 242.1E6 | N.D.       | 87.171 #   |
| 15) 4,4'-DDD                | 7.938  | 8.783  | 286.1E6  | 296.8E6 | 85.665     | 90.019     |
| 16) Endosulfa...            | 0.000  | 8.891  | 0        | 689045  | N.D.       | 0.235 #    |
| 17) 4,4'-DDT                | 8.135  | 9.010  | 291.1E6  | 293.6E6 | 94.223     | 94.420     |
| 18) Endrin Al...            | 8.346  | 9.132  | 334012   | 319066  | 0.101      | 0.112      |
| 19) Endosulfa...            | 8.638  | 9.291f | 29964    | 164565  | 0.010      | 0.021 #    |
| 20) Methoxychlor            | 8.476  | 9.488  | 159803   | 160081  | 0.105      | 0.108      |
| 21) Endrin Ke...            | 8.809f | 9.724  | 21606354 | 230496  | 9.347      | 0.032 #    |
| 23) Hexachlor...            | 3.124  | 3.718  | 264733   | 343868  | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.714  | 6.486  | 2411123  | 2190585 | 0.450      | 0.437      |
| 25) Oxychlorane             | 7.173  | 7.942  | 254180   | 105108  | 104477.277 | BelowCal # |
| 26) 2,4'-DDE                | 7.268  | 8.148  | 211.7E6  | 211.4E6 | 80.925     | 85.849     |
| 27) trans-Non...            | 7.425f | 0.000  | 244344   | 0       | BelowCal   | N.D.       |
| 28) 2,4'-DDD                | 7.639  | 8.520  | 203.0E6  | 205.2E6 | 89.376     | 93.703     |
| 29) 2,4'-DDT                | 7.821  | 8.745  | 238.5E6  | 242.1E6 | 99.328     | 104.361    |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:12  
 Operator : MJB  
 Sample : 0080030-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:35:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

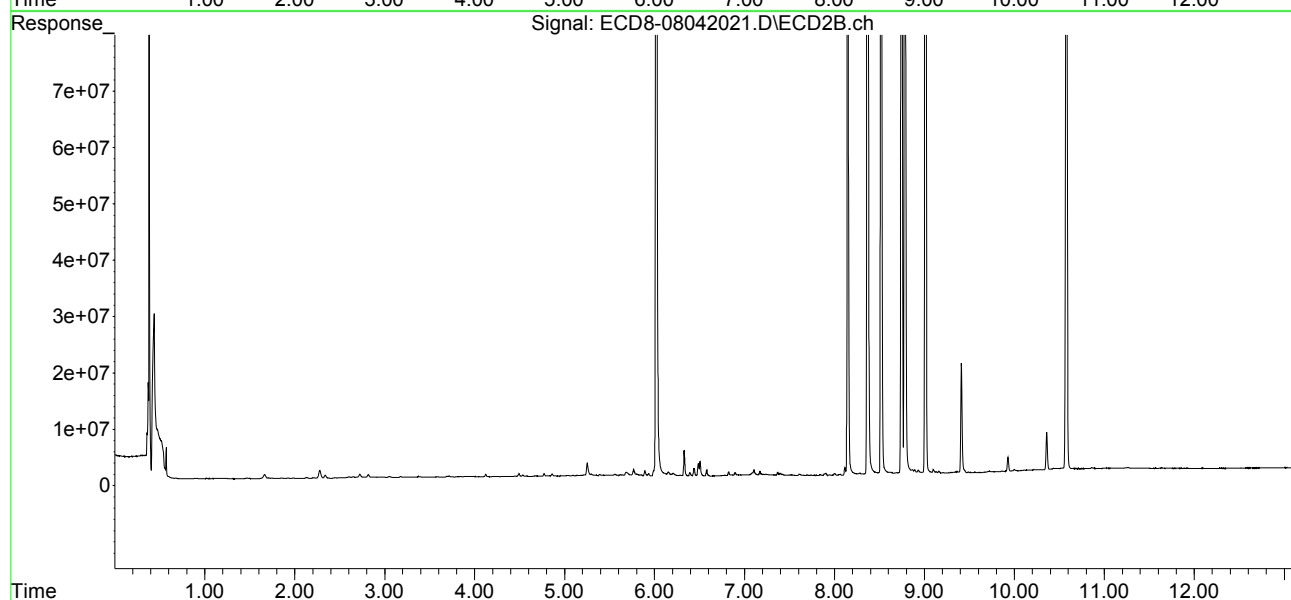
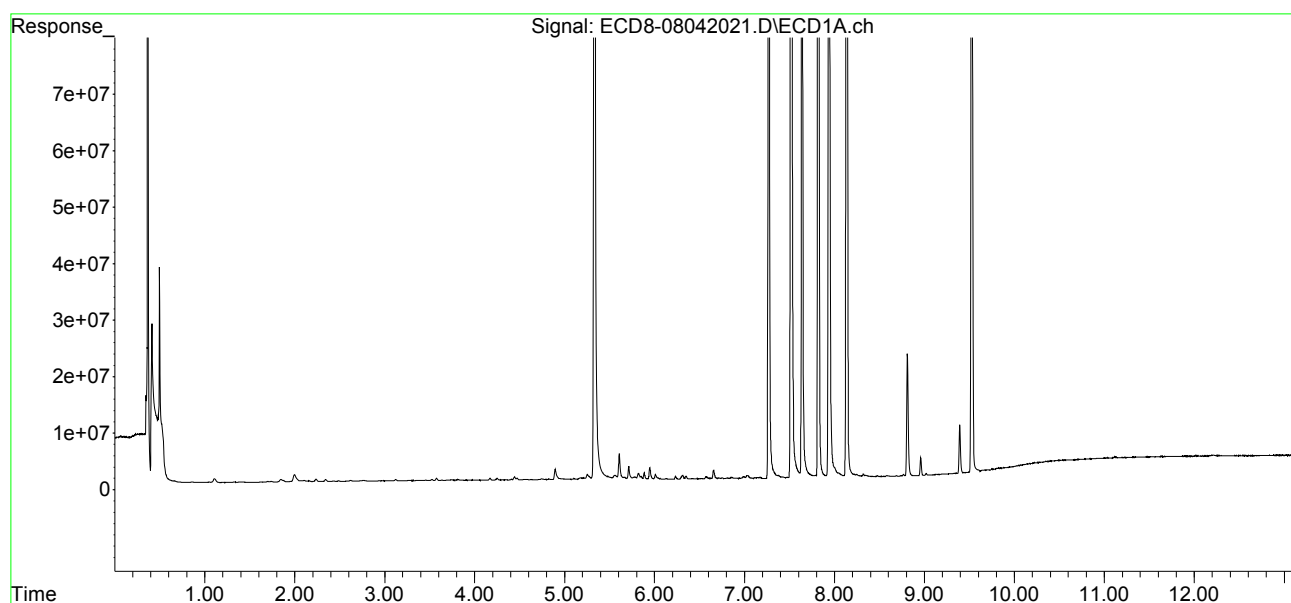
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.938f | 8.783  | 286.1E6 | 296.8E6 | 69.583    | 77.356     |
| 31) | Mirex        | 8.578  | 9.724  | 209747  | 230496  | 14904.373 | BelowCal # |
| 32) | Chlordane... | 7.379  | 8.148  | 555817  | 211.4E6 | 1.229     | 478.562 #  |
| 33) | Chlordane... | 7.478  | 8.267  | 157567  | 234102  | 0.286     | 0.629 #    |
| 34) | Chlordane... | 0.000  | 8.929  | 0       | 638915  | N.D.      | BelowCal   |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.478  | 8.520f | 157567  | 205.2E6 | 9.160     | 6786.364 # |
| 37) | Toxaphene... | 7.788  | 8.891  | 474420  | 689045  | 11.494    | 17.534 #   |
| 38) | Toxaphene... | 0.000  | 8.929  | 0       | 638915  | N.D.      | 10.104 #   |
| 39) | Toxaphene... | 8.319  | 9.010  | 548650  | 293.6E6 | 3.255     | 2504.238 # |
| 40) | Toxaphene... | 8.551  | 9.159  | 19440   | 401095  | 0.348     | 7.065 #    |
| 41) | Toxaphene... | 8.638  | 9.564  | 29964   | 109273  | 0.390     | 1.688 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042021.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:12  
Operator : MJB  
Sample : 0080030-BS1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:35:53 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:29  
 Operator : MJB  
 Sample : A0E0670-26  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 20 Sample Multiplier: 1

*ATML 08/05/20*

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:38:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL         |
|-----------------------------|--------|--------|----------|----------|----------|---------------|
| -----                       |        |        |          |          |          |               |
| System Monitoring Compounds |        |        |          |          |          |               |
| 1) S TCMX (S)               | 5.332  | 6.020  | 249.8E6  | 268.5E6  | 66.938   | 76.485        |
| 22) S DCBP (S)              | 9.525  | 10.577 | 252.4E6  | 195.3E6  | 82.860   | 87.883        |
| Target Compounds            |        |        |          |          |          |               |
| 2) a-BHC                    | 5.877  | 6.596f | 6257887  | 7262380  | 1.271    | 1.681 #       |
| 3) g-BHC                    | 6.155  | 6.910f | 10199511 | 13142748 | 2.306    | 3.380 #       |
| 4) b-BHC                    | 6.232  | 6.993  | 14102601 | 13955325 | 7.103    | 7.402         |
| 5) Heptachlor               | 6.551  | 7.314  | 15613365 | 16101690 | 3.688    | 4.169         |
| 6) d-BHC                    | 6.395  | 7.254  | 12317722 | 15720899 | 2.986    | 4.152 #       |
| 7) Aldrin                   | 6.811  | 7.573  | 1980544  | 18320979 | 0.454    | 4.968 #       |
| 8) Heptachlo...             | 7.270  | 0.000  | 1769767  | 0        | 0.437    | N.D. #        |
| 9) trans-Chl...             | 7.355  | 0.000  | 1656752  | 0        | 0.400    | N.D. #        |
| 10) cis-Chlor...            | 7.458  | 0.000  | 1694424  | 0        | 0.413    | N.D. #        |
| 11) Endosulfa...            | 7.562  | 0.000  | 1816242  | 0        | 0.481    | N.D. #        |
| 12) 4,4'-DDE                | 7.520  | 8.348f | 1807072  | 8272252  | 0.442    | 2.419m# P-01  |
| 13) Dieldrin                | 7.724  | 8.513  | 1722150  | 5518696  | 0.407    | 1.501 #       |
| 14) Endrin                  | 7.884  | 8.741  | 1690838  | 3431540  | 0.559    | 1.385 #       |
| 15) 4,4'-DDD                | 7.938  | 8.781  | 1685497  | 3169401  | 0.505    | 1.114 # P-01  |
| 16) Endosulfa...            | 8.040  | 8.929f | 1555951  | 2846122  | 0.481    | 0.970 #       |
| 17) 4,4'-DDT                | 8.132  | 9.010  | 1352634  | 2486882  | 0.438    | 0.951 #       |
| 18) Endrin Al...            | 8.347  | 9.098f | 1088665  | 2568788  | 0.331    | 0.902 #       |
| 19) Endosulfa...            | 8.632  | 9.302  | 346985   | 2332237  | 0.120    | 0.932 #       |
| 20) Methoxychlor            | 8.477  | 9.499  | 633785   | 2428949  | 0.418    | 1.638 #       |
| 21) Endrin Ke...            | 8.808f | 9.724  | 21357788 | 2706918  | 9.240    | 1.543 #       |
| 23) Hexachlor...            | 3.124  | 3.719  | 205413   | 209908   | BelowCal | BelowCal      |
| 24) Hexachlor...            | 5.683f | 6.504  | 13015253 | 7820612  | 3.440    | 2.146 #       |
| 25) Oxychlorane             | 7.206  | 7.940  | 1660851  | 22967629 | 0.302    | 7.699 #       |
| 26) 2,4'-DDE                | 7.270  | 8.206f | 1769767  | 28792635 | 0.513    | 12.666m# P-01 |
| 27) trans-Non...            | 7.448  | 8.206  | 1679876  | 27824021 | 0.214    | 8.440 #       |
| 28) 2,4'-DDD                | 7.638  | 8.513  | 1808822  | 5518696  | 0.615    | 2.623 # P-01  |
| 29) 2,4'-DDT                | 7.819  | 8.741  | 1806133  | 3431540  | 0.597    | 1.501 # P-01  |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:29  
 Operator : MJB  
 Sample : A0E0670-26  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:38:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

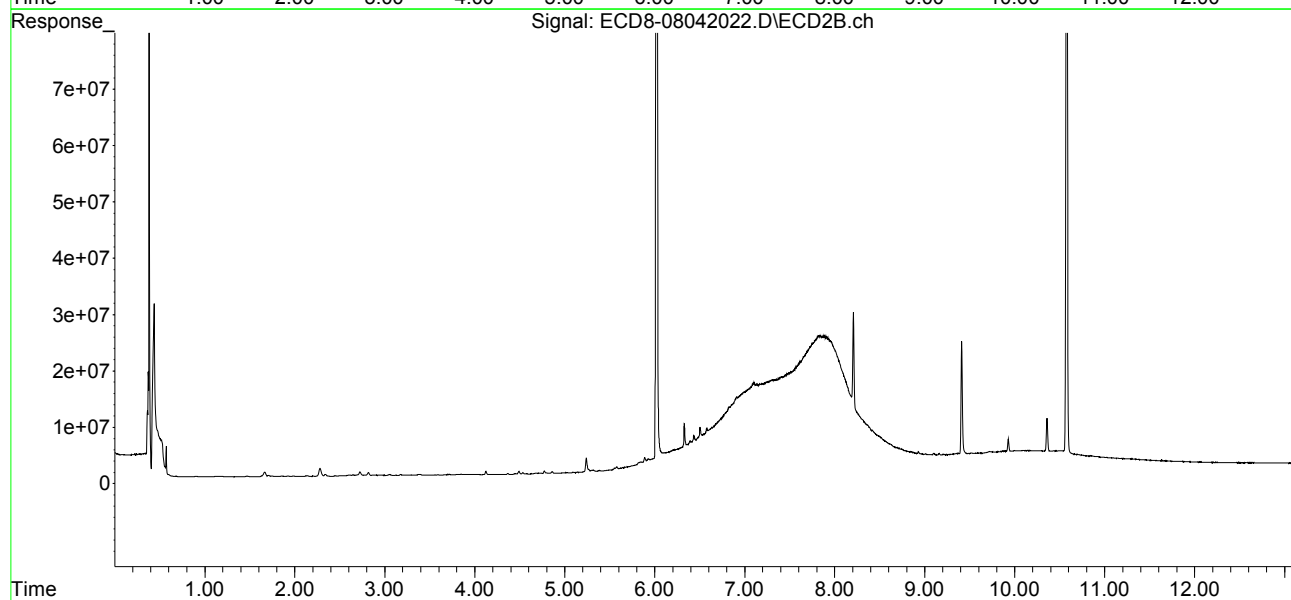
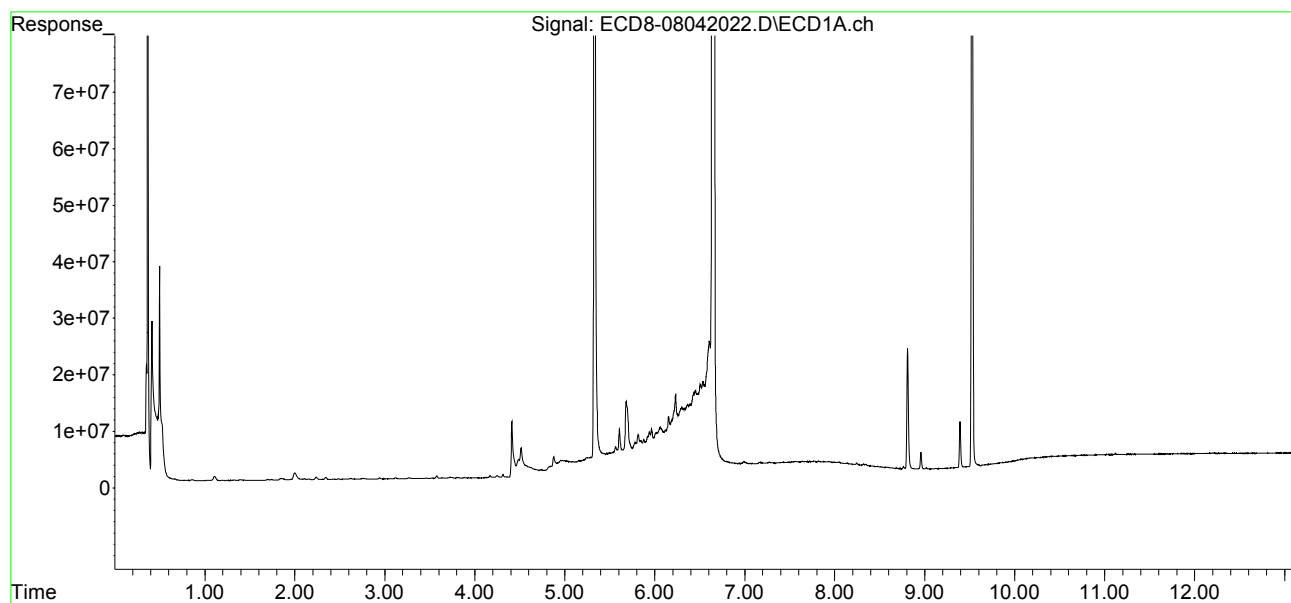
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL     |
|-----|--------------|-------|--------|---------|---------|-----------|-----------|
| 30) | cis-Nonac... | 7.913 | 8.781  | 1634148 | 3169401 | 0.219     | 0.722 #   |
| 31) | Mirex        | 8.580 | 9.724  | 462967  | 2706918 | 14904.277 | 0.872 #   |
| 32) | Chlordane... | 7.374 | 0.000  | 1657856 | 0       | 3.665     | N.D. #    |
| 33) | Chlordane... | 7.458 | 0.000  | 1694424 | 0       | 3.080     | N.D. #    |
| 34) | Chlordane... | 8.004 | 8.929  | 1528043 | 2846122 | 10.536    | 16.978 #  |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.      | N.D.      |
| 36) | Toxaphene... | 7.489 | 8.513f | 1694548 | 5518696 | 98.509    | 182.514 # |
| 37) | Toxaphene... | 7.767 | 8.929f | 1794969 | 2846122 | 52.172    | 72.426 #  |
| 38) | Toxaphene... | 8.084 | 8.929  | 1369368 | 2846122 | 18.174    | 45.007 #  |
| 39) | Toxaphene... | 8.318 | 9.010  | 1171971 | 2486882 | 12.615    | 20.162 #  |
| 40) | Toxaphene... | 8.580 | 9.159  | 462967  | 2512428 | 8.289     | 44.252 #  |
| 41) | Toxaphene... | 8.632 | 9.559  | 346985  | 2436508 | 4.514     | 37.631 #  |
| 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\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

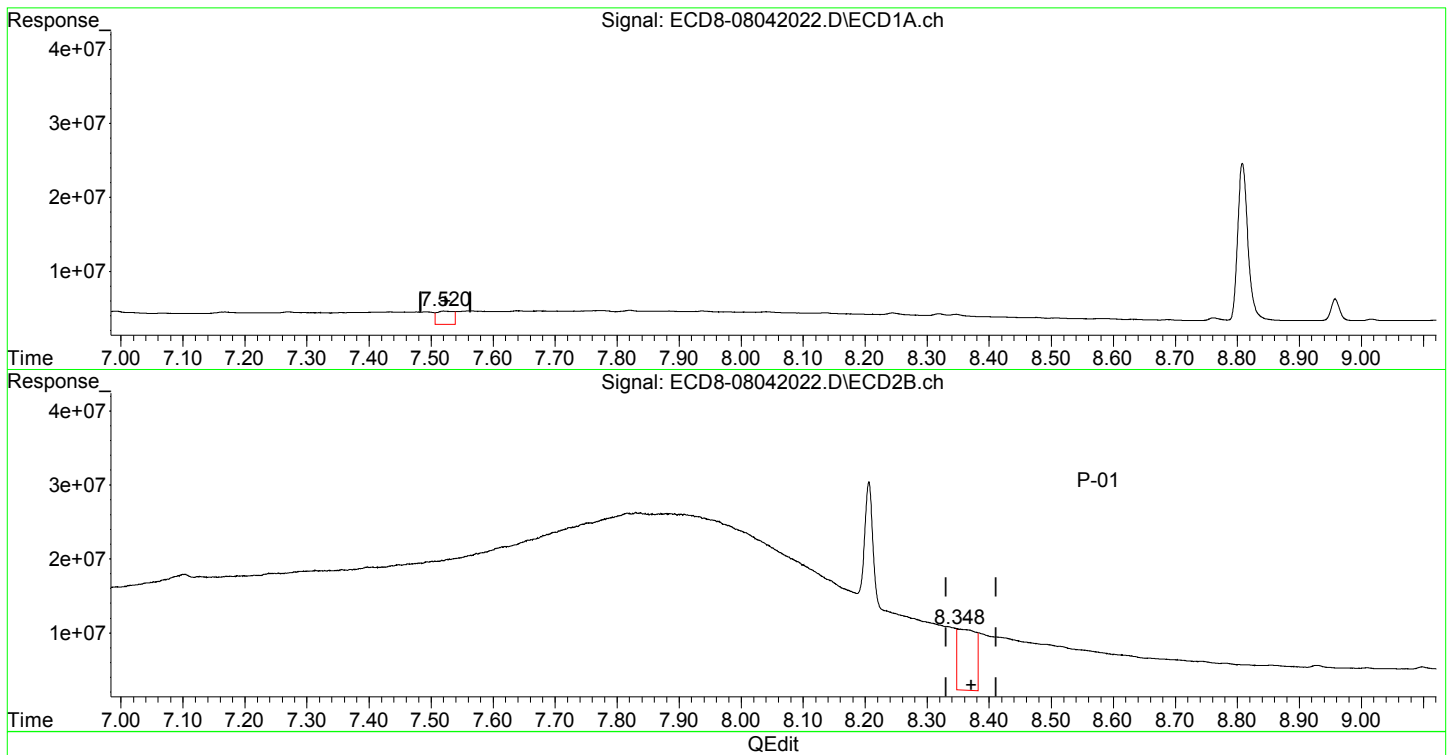
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



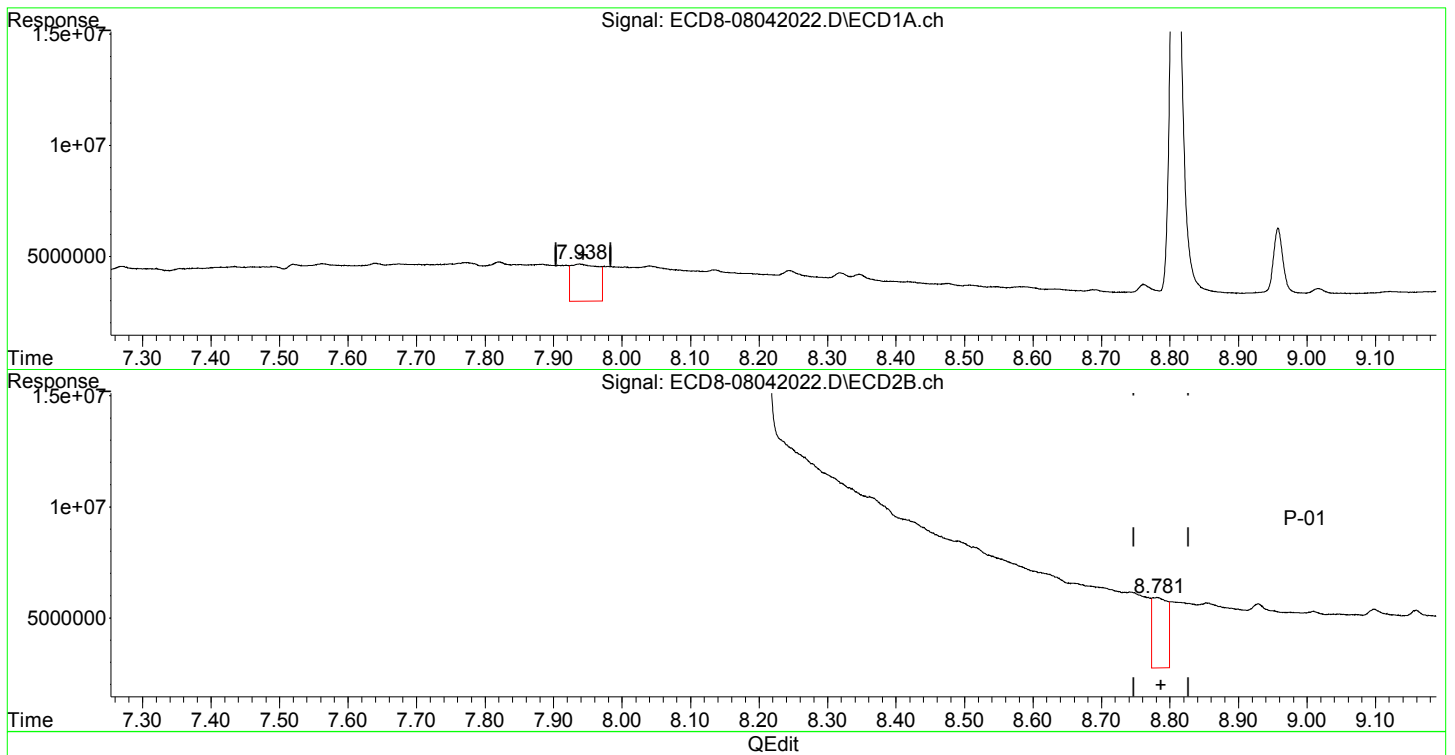
(12) 4,4'-DDE  
7.520min 0.442 ng/mL  
response 1807072

(12) 4,4'-DDE #2  
8.348min 2.419 ng/mL m  
response 8272252

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

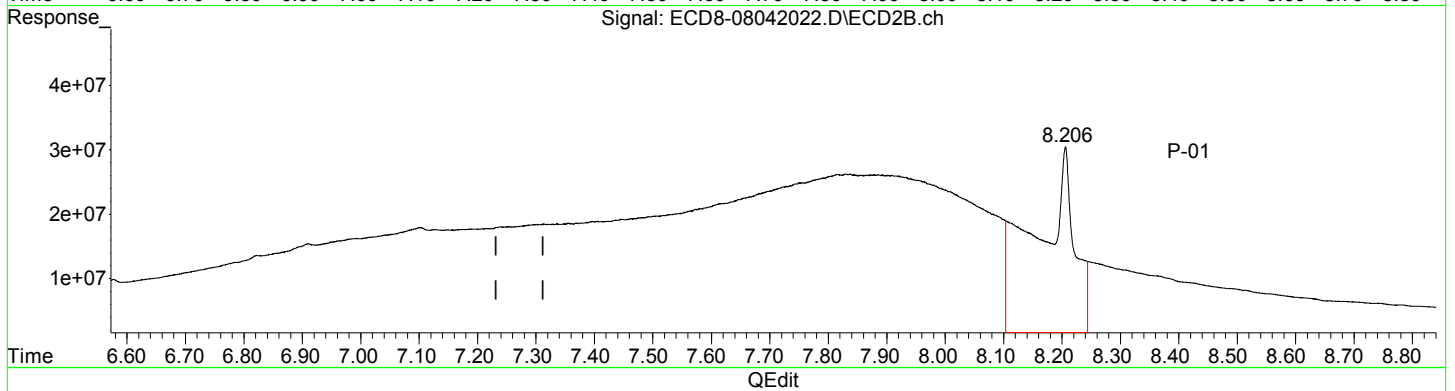
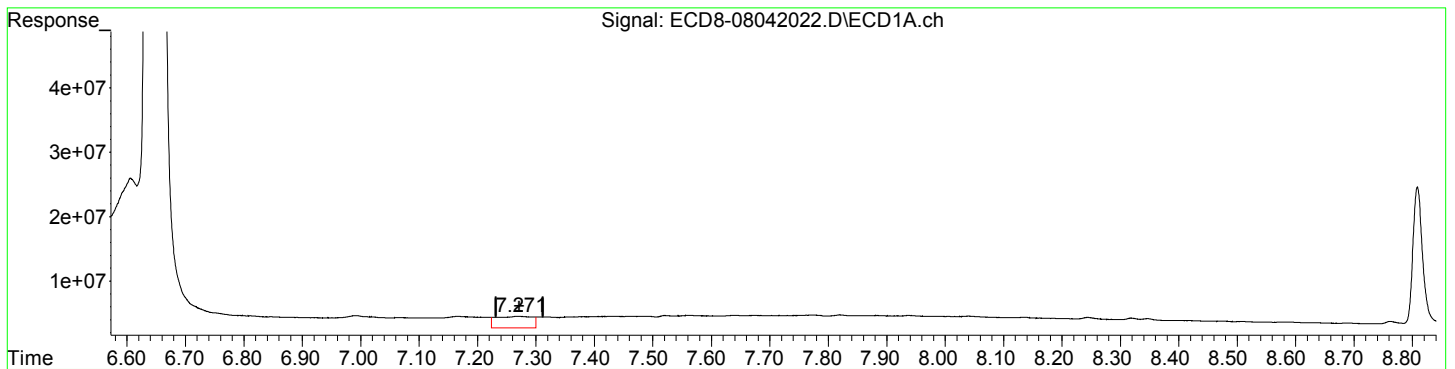


(15) 4,4'-DDD  
7.938min 0.505 ng/mL  
response 1685497  
  
(15) 4,4'-DDD #2  
8.781min 1.114 ng/mL  
response 3169401

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



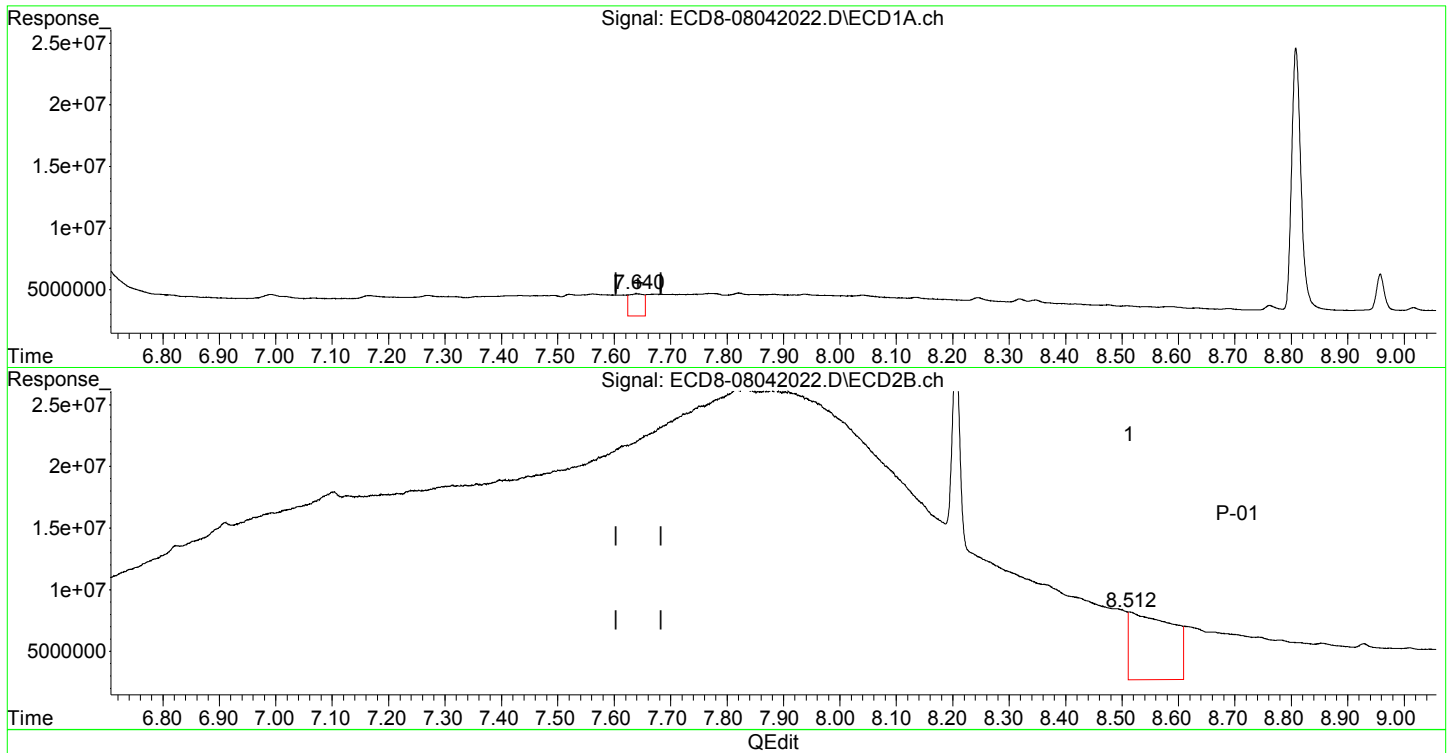
(26) 2,4'-DDE  
7.270min 0.513 ng/mL  
response 1769767

(26) 2,4'-DDE #2  
8.206min 12.666 ng/mL m  
response 28792635

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

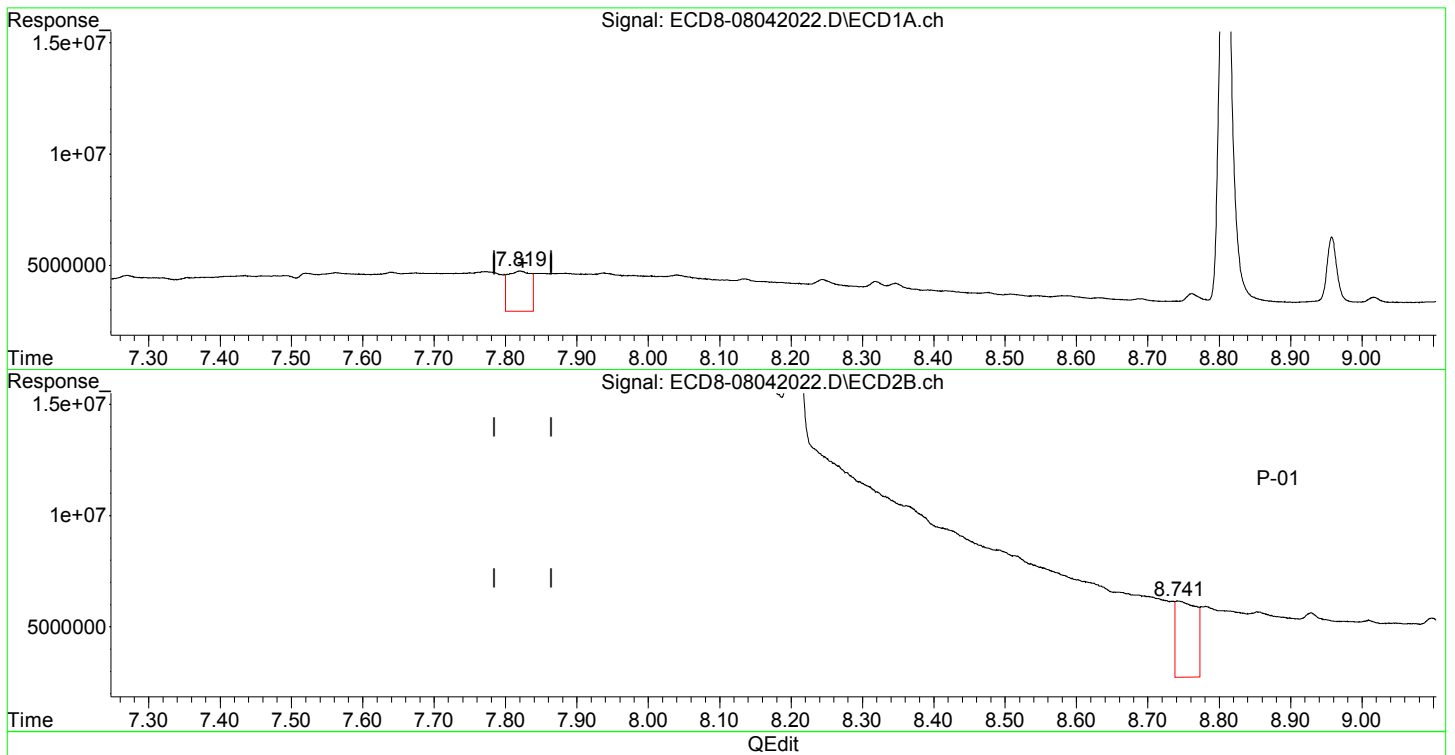


(28) 2,4'-DDD  
7.638min 0.615 ng/mL  
response 1808822  
  
(28) 2,4'-DDD #2  
8.513min 2.623 ng/mL  
response 5518696

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(29) 2,4'-DDT  
7.819min 0.597 ng/mL  
response 1806133

(29) 2,4'-DDT #2  
8.741min 1.501 ng/mL  
response 3431540

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:29  
 Operator : MJB  
 Sample : A0E0670-26  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:38:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| -----                       |        |        |          |          |          |          |
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 5.332  | 6.020  | 249.8E6  | 268.5E6  | 66.938   | 76.485   |
| 22) S DCBP (S)              | 9.525  | 10.577 | 252.4E6  | 195.3E6  | 82.860   | 87.883   |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.877  | 6.596f | 6257887  | 7262380  | 1.271    | 1.681 #  |
| 3) g-BHC                    | 6.155  | 6.910f | 10199511 | 13142748 | 2.306    | 3.380 #  |
| 4) b-BHC                    | 6.232  | 6.993  | 14102601 | 13955325 | 7.103    | 7.402    |
| 5) Heptachlor               | 6.551  | 7.314  | 15613365 | 16101690 | 3.688    | 4.169    |
| 6) d-BHC                    | 6.395  | 7.254  | 12317722 | 15720899 | 2.986    | 4.152 #  |
| 7) Aldrin                   | 6.811  | 7.573  | 1980544  | 18320979 | 0.454    | 4.968 #  |
| 8) Heptachlo...             | 7.270  | 0.000  | 1769767  | 0        | 0.437    | N.D. #   |
| 9) trans-Chl...             | 7.355  | 0.000  | 1656752  | 0        | 0.400    | N.D. #   |
| 10) cis-Chlor...            | 7.458  | 0.000  | 1694424  | 0        | 0.413    | N.D. #   |
| 11) Endosulfa...            | 7.562  | 0.000  | 1816242  | 0        | 0.481    | N.D. #   |
| 12) 4,4'-DDE                | 7.520  | 8.362  | 1807072  | 7810463  | 0.442    | 2.285 #  |
| 13) Dieldrin                | 7.724  | 8.513  | 1722150  | 5518696  | 0.407    | 1.501 #  |
| 14) Endrin                  | 7.884  | 8.741  | 1690838  | 3431540  | 0.559    | 1.385 #  |
| 15) 4,4'-DDD                | 7.938  | 8.781  | 1685497  | 3169401  | 0.505    | 1.114 #  |
| 16) Endosulfa...            | 8.040  | 8.929f | 1555951  | 2846122  | 0.481    | 0.970 #  |
| 17) 4,4'-DDT                | 8.132  | 9.010  | 1352634  | 2486882  | 0.438    | 0.951 #  |
| 18) Endrin Al...            | 8.347  | 9.098f | 1088665  | 2568788  | 0.331    | 0.902 #  |
| 19) Endosulfa...            | 8.632  | 9.302  | 346985   | 2332237  | 0.120    | 0.932 #  |
| 20) Methoxychlor            | 8.477  | 9.499  | 633785   | 2428949  | 0.418    | 1.638 #  |
| 21) Endrin Ke...            | 8.808f | 9.724  | 21357788 | 2706918  | 9.240    | 1.543 #  |
| 23) Hexachlor...            | 3.124  | 3.719  | 205413   | 209908   | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.683f | 6.504  | 13015253 | 7820612  | 3.440    | 2.146 #  |
| 25) Oxychlorane             | 7.206  | 7.940  | 1660851  | 22967629 | 0.302    | 7.699 #  |
| 26) 2,4'-DDE                | 7.270  | 0.000  | 1769767  | 0        | 0.513    | N.D. #   |
| 27) trans-Non...            | 7.448  | 8.206  | 1679876  | 27824021 | 0.214    | 8.440 #  |
| 28) 2,4'-DDD                | 7.638  | 8.513  | 1808822  | 5518696  | 0.615    | 2.623 #  |
| 29) 2,4'-DDT                | 7.819  | 8.741  | 1806133  | 3431540  | 0.597    | 1.501 #  |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:29  
 Operator : MJB  
 Sample : A0E0670-26  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:38:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

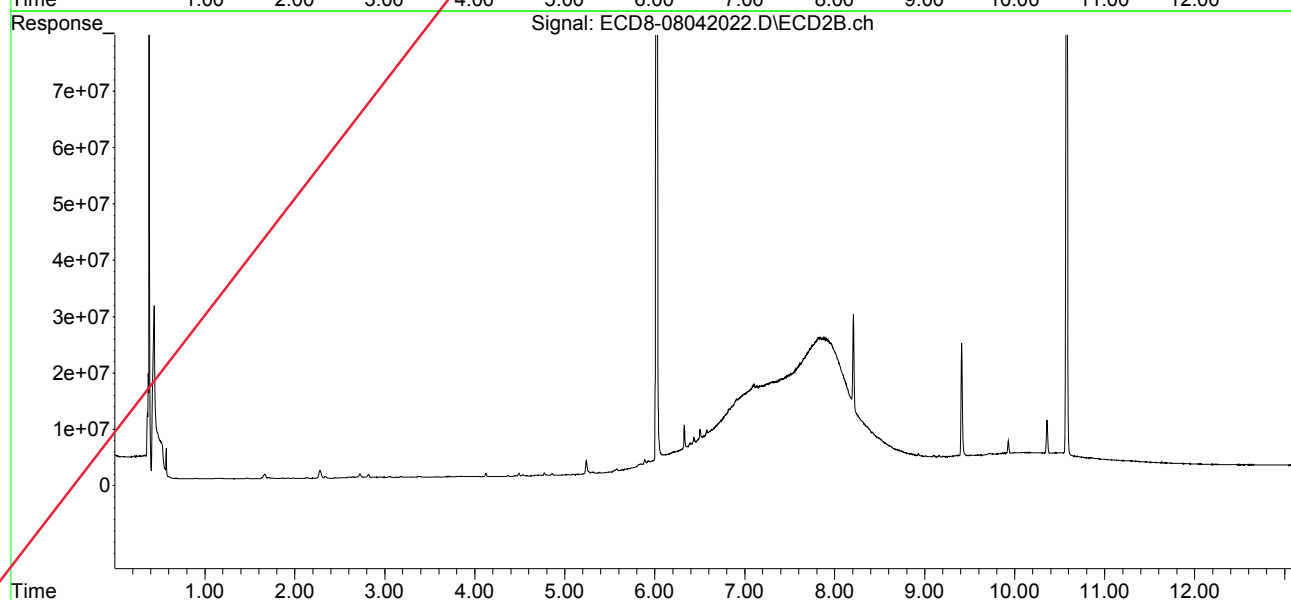
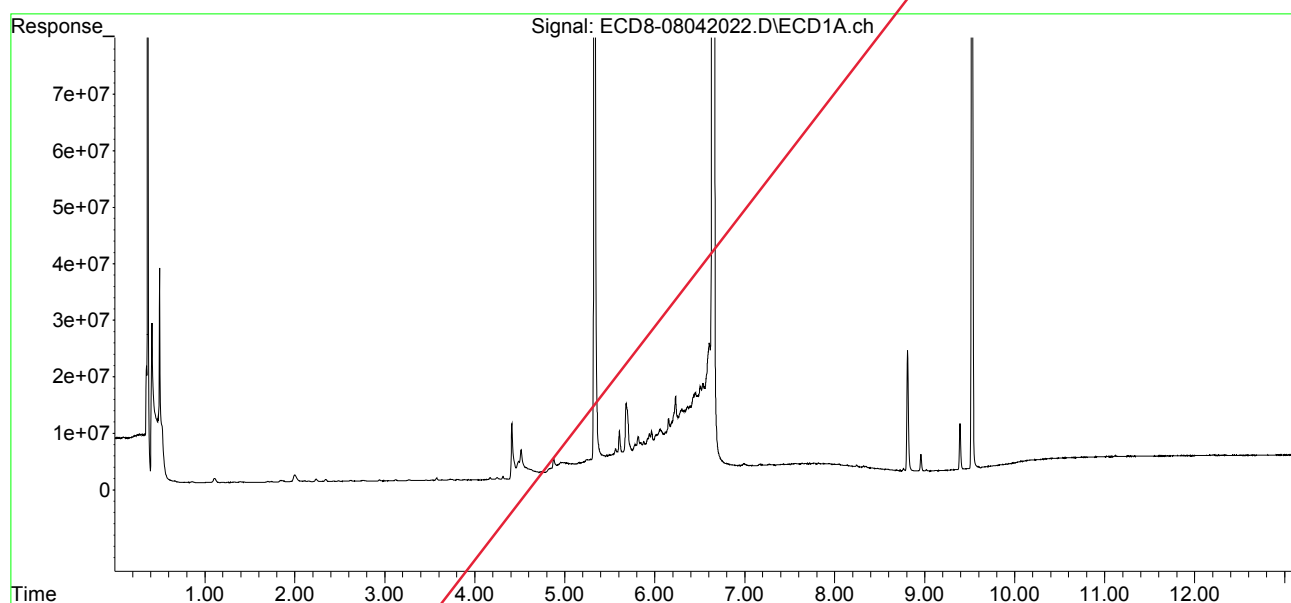
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL     |
|-----|--------------|-------|--------|---------|---------|-----------|-----------|
| 30) | cis-Nonac... | 7.913 | 8.781  | 1634148 | 3169401 | 0.219     | 0.722 #   |
| 31) | Mirex        | 8.580 | 9.724  | 462967  | 2706918 | 14904.277 | 0.872 #   |
| 32) | Chlordane... | 7.374 | 0.000  | 1657856 | 0       | 3.665     | N.D. #    |
| 33) | Chlordane... | 7.458 | 0.000  | 1694424 | 0       | 3.080     | N.D. #    |
| 34) | Chlordane... | 8.004 | 8.929  | 1528043 | 2846122 | 10.536    | 16.978 #  |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.      | N.D.      |
| 36) | Toxaphene... | 7.489 | 8.513f | 1694548 | 5518696 | 98.509    | 182.514 # |
| 37) | Toxaphene... | 7.767 | 8.929f | 1794969 | 2846122 | 52.172    | 72.426 #  |
| 38) | Toxaphene... | 8.084 | 8.929  | 1369368 | 2846122 | 18.174    | 45.007 #  |
| 39) | Toxaphene... | 8.318 | 9.010  | 1171971 | 2486882 | 12.615    | 20.162 #  |
| 40) | Toxaphene... | 8.580 | 9.159  | 462967  | 2512428 | 8.289     | 44.252 #  |
| 41) | Toxaphene... | 8.632 | 9.559  | 346985  | 2436508 | 4.514     | 37.631 #  |
| 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\2020-08\0H04057\  
Data File : ECD8-08042022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:29  
Operator : MJB  
Sample : A0E0670-26  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:38:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:45  
 Operator : MJB  
 Sample : 0080030-DUP1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:52:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*ATML 08/05/20*

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL           |
|-----------------------------|--------|--------|----------|----------|----------|-----------------|
| -----                       |        |        |          |          |          |                 |
| System Monitoring Compounds |        |        |          |          |          |                 |
| 1) S TCMX (S)               | 5.332  | 6.021  | 249.5E6  | 270.2E6  | 66.855   | 76.968          |
| 22) S DCBP (S)              | 9.524  | 10.576 | 254.2E6  | 204.0E6  | 83.458   | 91.497          |
| Target Compounds            |        |        |          |          |          |                 |
| 2) a-BHC                    | 5.877  | 0.000  | 6392140  | 0        | 1.298    | N.D. #          |
| 3) g-BHC                    | 6.154  | 6.925  | 10044153 | 12211088 | 2.271    | 3.141 #         |
| 4) b-BHC                    | 6.232  | 7.029f | 14031762 | 13954906 | 7.068    | 7.402           |
| 5) Heptachlor               | 6.540f | 7.343f | 16373880 | 17669779 | 3.867    | 4.575           |
| 6) d-BHC                    | 6.396  | 7.242f | 12636329 | 16644145 | 3.063    | 4.392 #         |
| 7) Aldrin                   | 6.802  | 7.550f | 2205733  | 20695730 | 0.505    | 5.607 #         |
| 8) Heptachlo...             | 7.265  | 0.000  | 1796343  | 0        | 0.444    | N.D. #          |
| 9) trans-Chl...             | 7.359  | 0.000  | 1816314  | 0        | 0.439    | N.D. #          |
| 10) cis-Chlor...            | 7.455  | 0.000  | 1846783  | 0        | 0.450    | N.D. #          |
| 11) Endosulfa...            | 7.554  | 0.000  | 1961823  | 0        | 0.520    | N.D. #          |
| 12) 4,4'-DDE                | 7.541  | 8.348f | 2007764  | 10700810 | 0.491m   | 3.120m# P-01    |
| 13) Dieldrin                | 7.721  | 0.000  | 1916687  | 0        | 0.453    | N.D. #          |
| 14) Endrin                  | 7.888  | 0.000  | 1867251  | 0        | 0.618    | N.D. #          |
| 15) 4,4'-DDD                | 7.943  | 8.765f | 1792408  | 4715455  | 0.537    | 1.653m# P-01    |
| 16) Endosulfa...            | 8.046  | 8.929f | 1697482  | 3159891  | 0.525    | 1.077 #         |
| 17) 4,4'-DDT                | 8.143  | 8.997  | 1416394  | 3222908  | 0.458    | 1.236m# MDL=MRL |
| 18) Endrin Al...            | 8.346  | 9.159f | 1156238  | 2723666  | 0.351    | 0.957 #         |
| 19) Endosulfa...            | 8.632  | 9.353f | 357960   | 2737696  | 0.124    | 1.102 #         |
| 20) Methoxychlor            | 8.476  | 9.488  | 694972   | 2727950  | 0.459    | 1.840 #         |
| 21) Endrin Ke...            | 8.809f | 9.719  | 20717819 | 3141637  | 8.963    | 1.807 #         |
| 23) Hexachlor...            | 3.124  | 3.718  | 204161   | 223446   | BelowCal | BelowCal        |
| 24) Hexachlor...            | 5.684f | 6.504  | 17889952 | 7197089  | 4.813    | 1.957 #         |
| 25) Oxychlorane             | 7.189  | 7.929  | 1812210  | 29152276 | 0.346    | 9.812 #         |
| 26) 2,4'-DDE                | 7.273  | 8.206f | 1807794  | 35474712 | 0.528    | 15.592m# P-01   |
| 27) trans-Non...            | 7.450  | 8.206  | 1839786  | 34801438 | 0.257    | 10.592 #        |
| 28) 2,4'-DDD                | 7.641  | 8.449f | 1912402  | 8259643  | 0.661    | 4.023m# P-01    |
| 29) 2,4'-DDT                | 7.825  | 8.712f | 1885968  | 4762418  | 0.631    | 2.158m# P-01    |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:45  
 Operator : MJB  
 Sample : 0080030-DUP1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:52:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

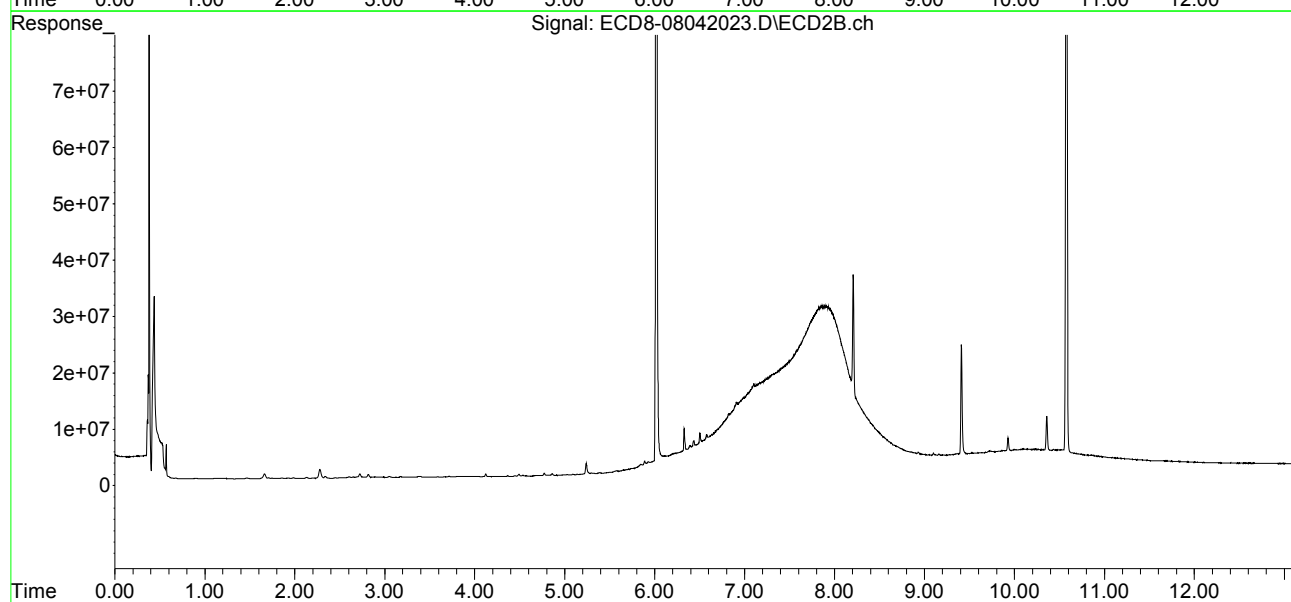
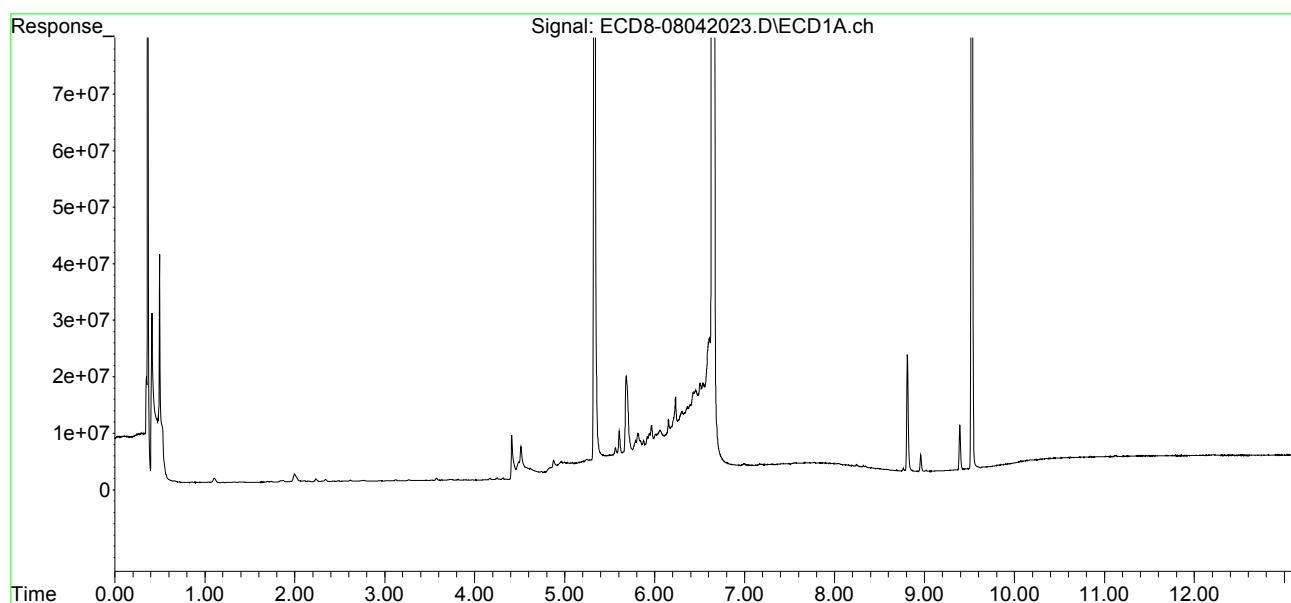
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL    |
|-----|--------------|--------|--------|---------|---------|-----------|----------|
| 30) | cis-Nonac... | 7.943f | 0.000  | 1792408 | 0       | 0.258     | N.D. #   |
| 31) | Mirex        | 8.578  | 9.719  | 488924  | 3141637 | 14904.267 | 1.079 #  |
| 32) | Chlordane... | 7.363  | 0.000  | 1814630 | 0       | 4.011     | N.D. #   |
| 33) | Chlordane... | 7.461  | 0.000  | 1852473 | 0       | 3.367     | N.D. #   |
| 34) | Chlordane... | 8.005  | 8.929  | 1693886 | 3159891 | 11.679    | 19.929 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.     |
| 36) | Toxaphene... | 7.489  | 0.000  | 1854791 | 0       | 107.824   | N.D. #   |
| 37) | Toxaphene... | 7.782  | 8.929f | 1940808 | 3159891 | 56.666    | 80.411 # |
| 38) | Toxaphene... | 8.096  | 8.929  | 1491907 | 3159891 | 19.800    | 49.969 # |
| 39) | Toxaphene... | 8.320  | 0.000  | 1281283 | 0       | 14.256    | N.D. #   |
| 40) | Toxaphene... | 8.548  | 9.159  | 512137  | 2723666 | 9.170     | 47.973 # |
| 41) | Toxaphene... | 8.632  | 9.565  | 357960  | 2782902 | 4.656     | 42.981 # |
| 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\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

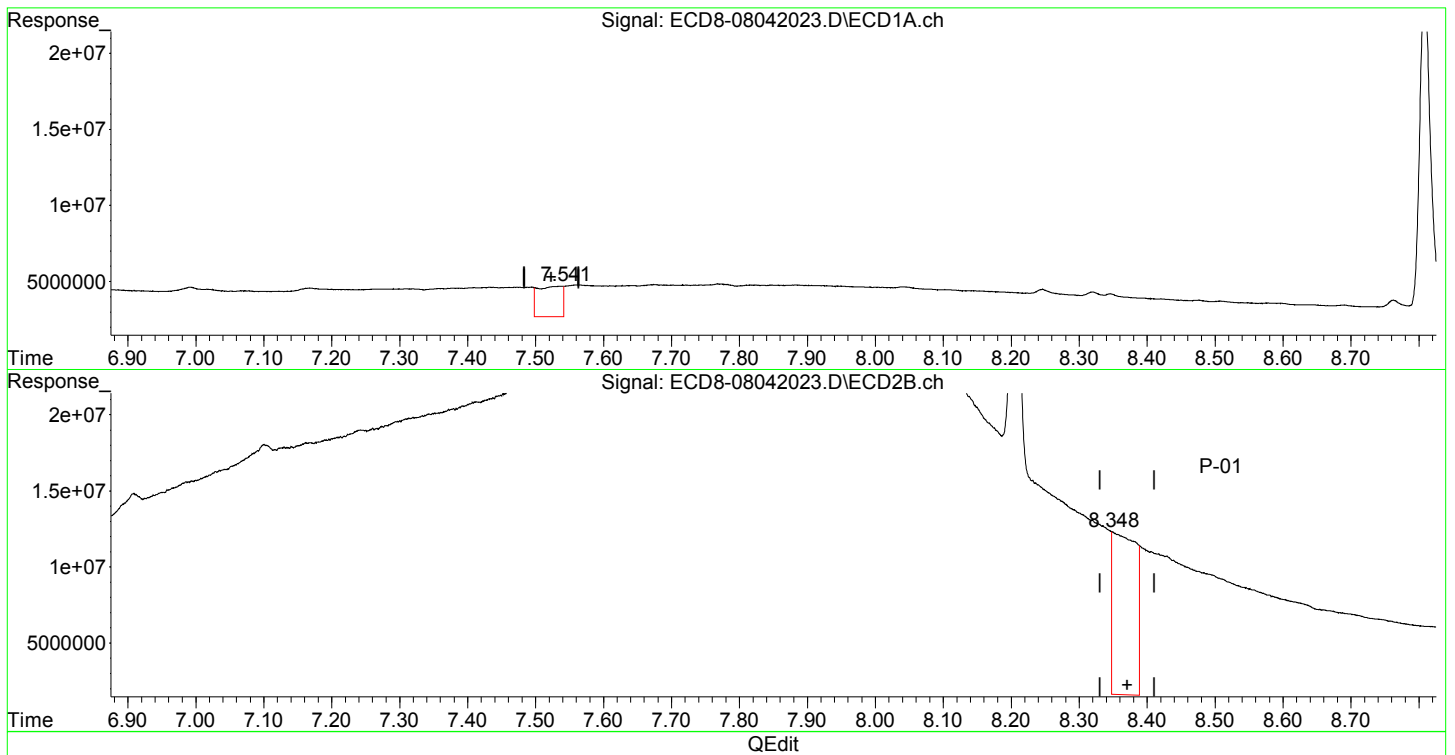
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



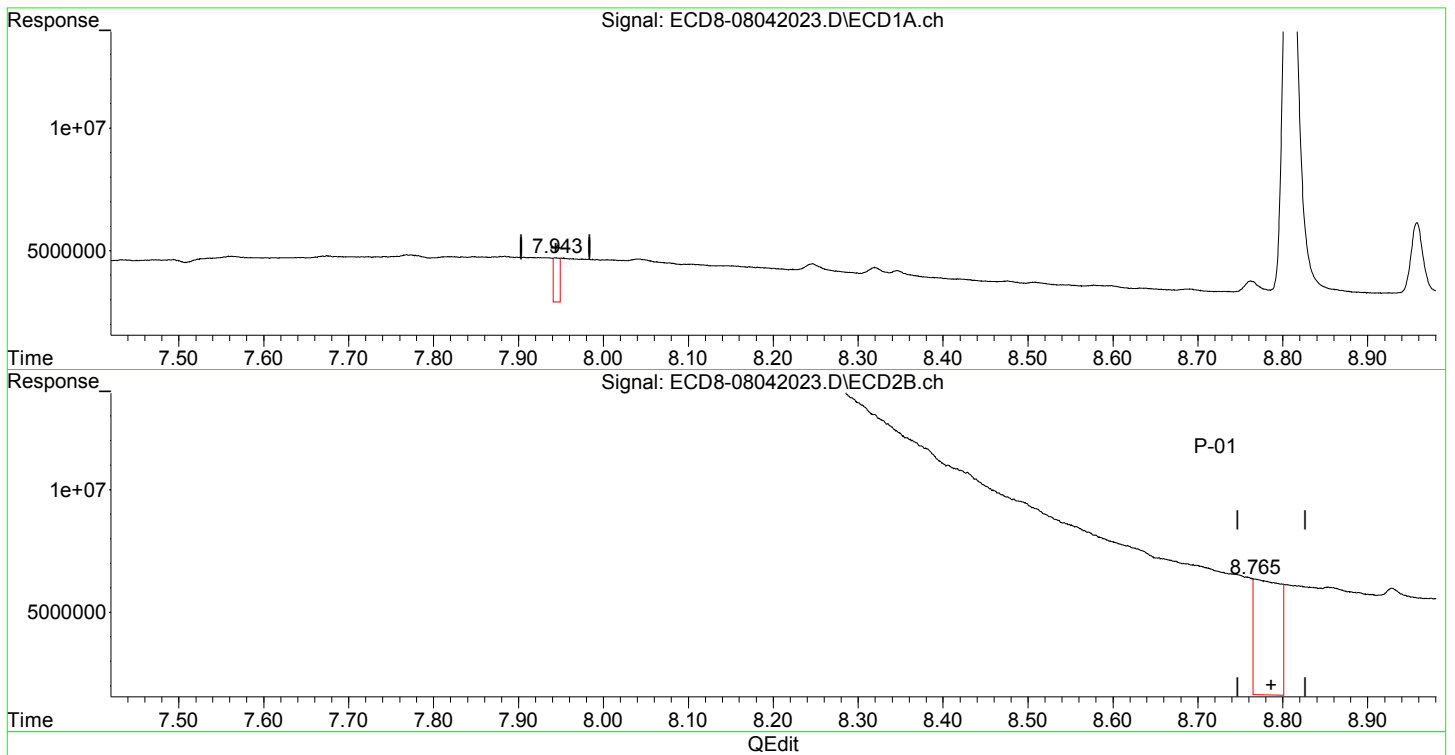
(12) 4,4'-DDE  
7.541min 0.491 ng/mL m  
response 2007764

(12) 4,4'-DDE #2  
8.348min 3.120 ng/mL m  
response 10700810

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



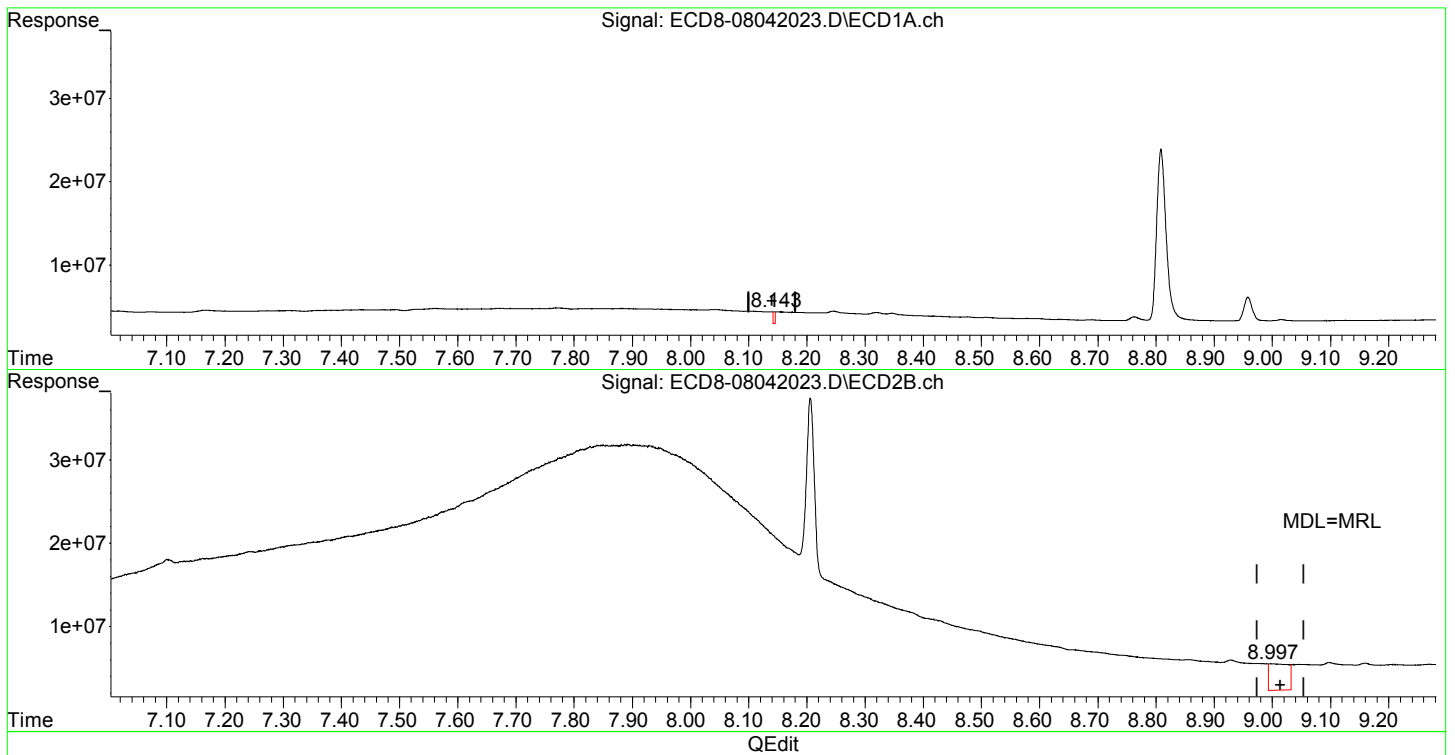
(15) 4,4'-DDD  
7.943min 0.537 ng/mL  
response 1792408

(15) 4,4'-DDD #2  
8.765min 1.653 ng/mL m  
response 4715455

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(17) 4,4'-DDT  
8.143min 0.458 ng/mL  
response 1416394

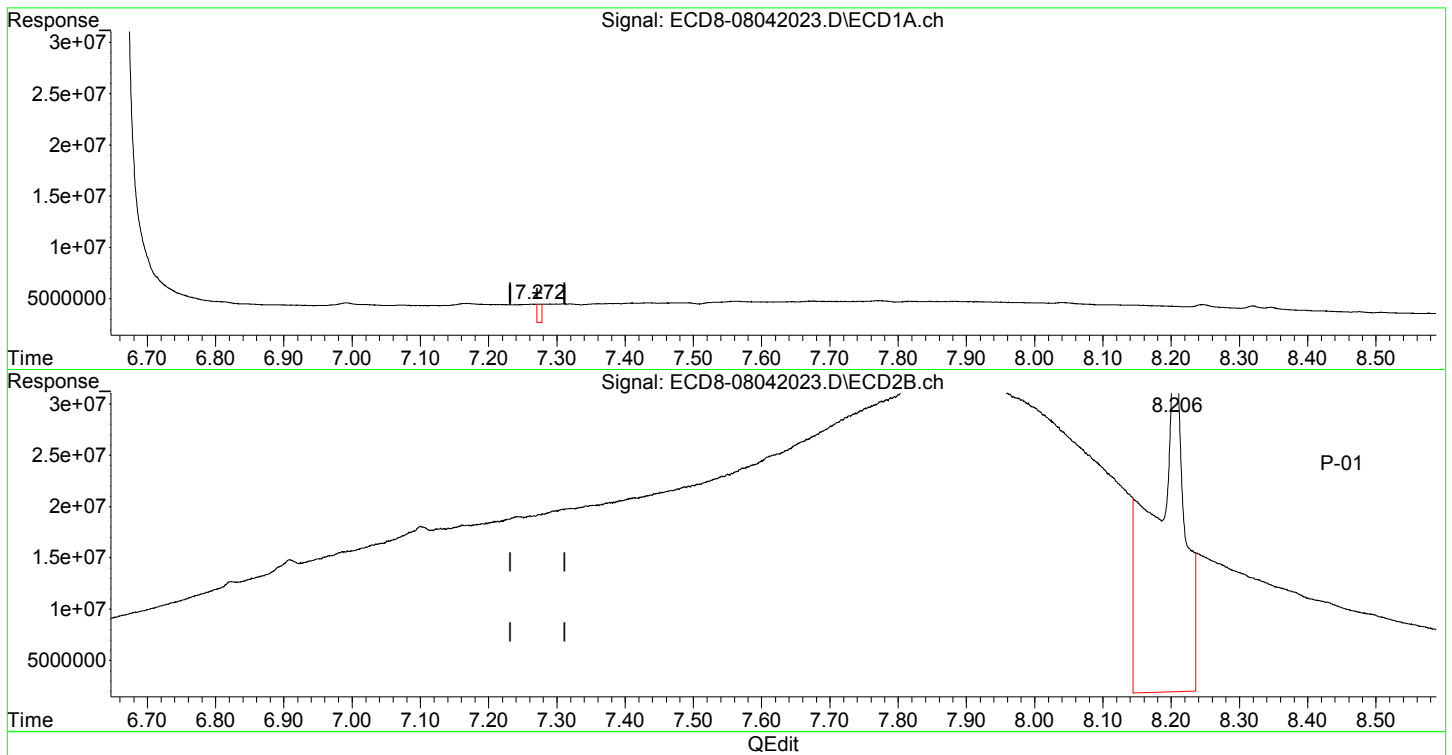
(17) 4,4'-DDT #2  
8.997min 1.236 ng/mL m  
response 3222908



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



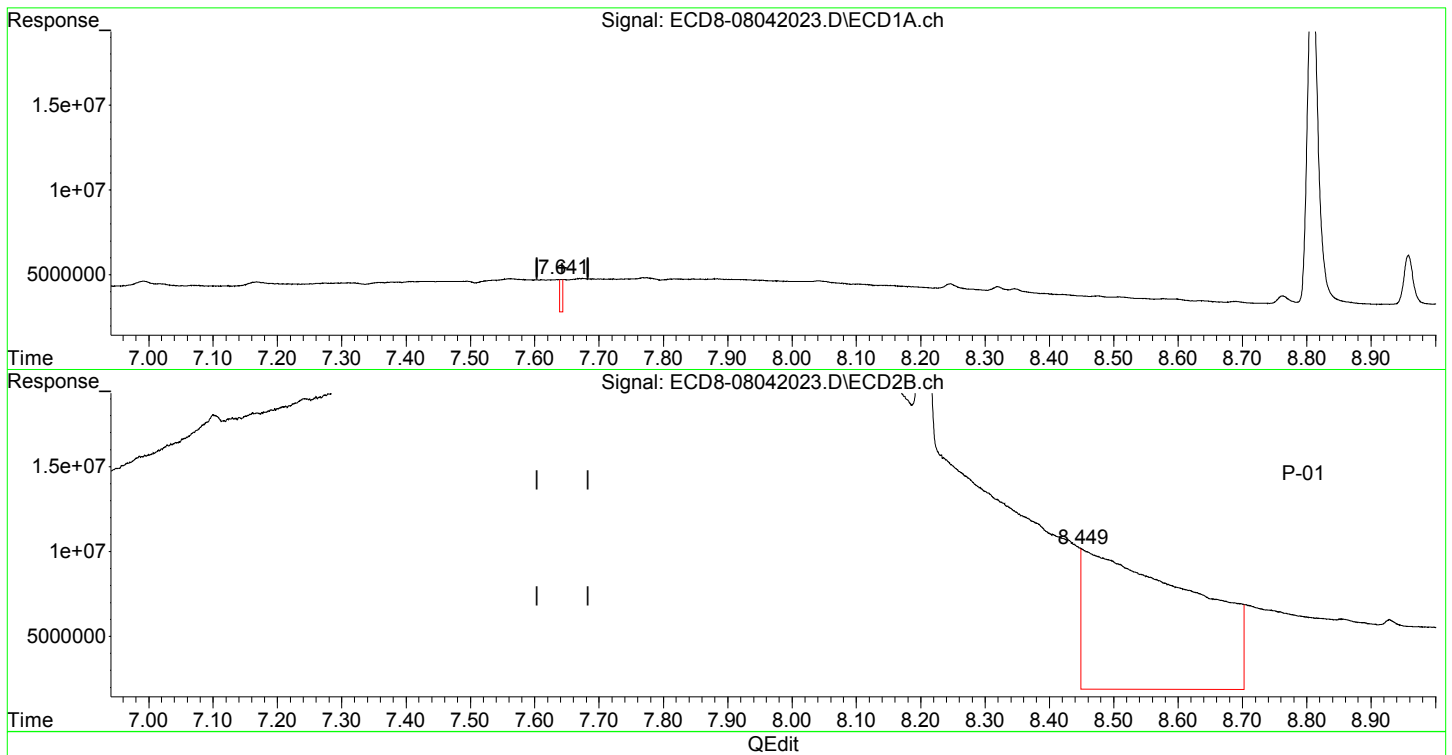
(26) 2,4'-DDE  
7.273min 0.528 ng/mL  
response 1807794

(26) 2,4'-DDE #2  
8.206min 15.592 ng/mL m  
response 35474712

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



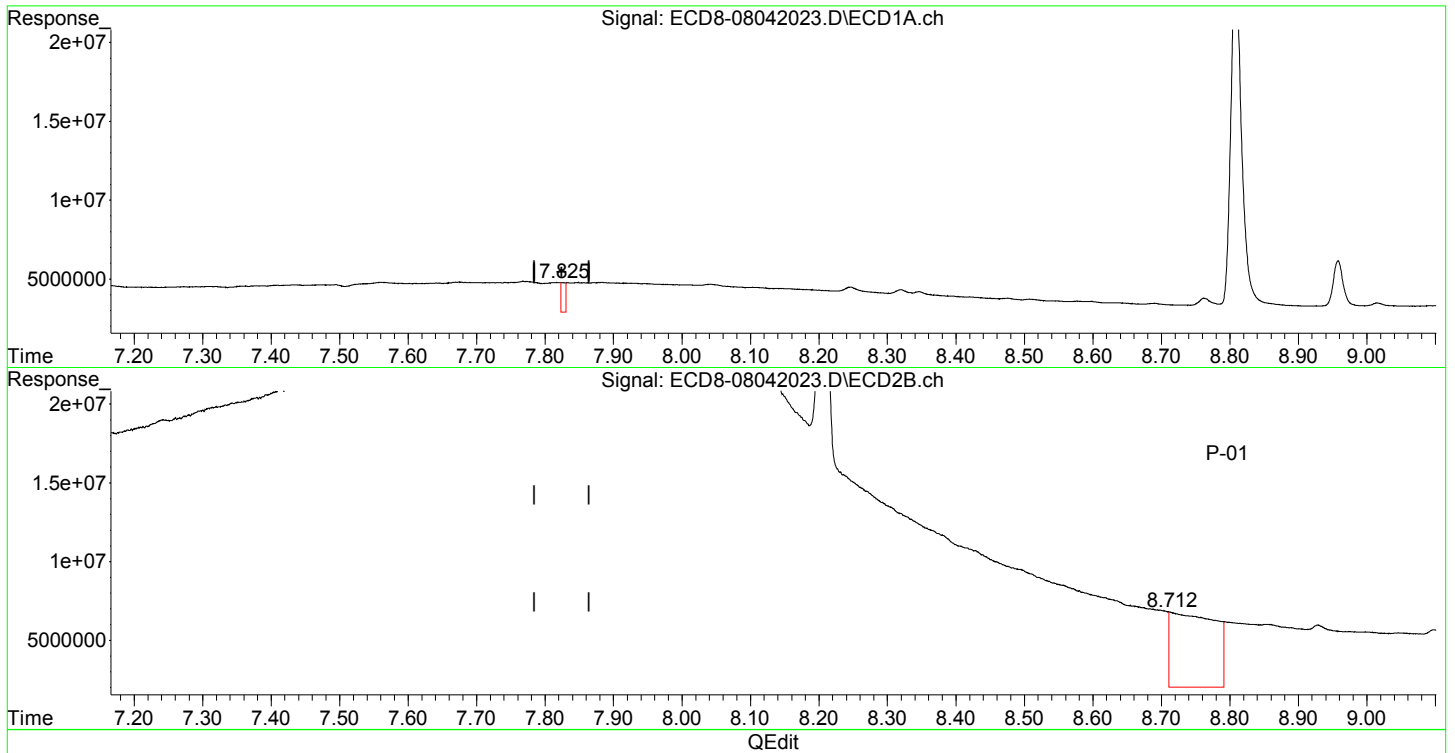
(28) 2,4'-DDD  
7.641min 0.661 ng/mL  
response 1912402

(28) 2,4'-DDD #2  
8.449min 4.023 ng/mL m  
response 8259643

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(29) 2,4'-DDT  
7.825min 0.631 ng/mL  
response 1885968

(29) 2,4'-DDT #2  
8.712min 2.158 ng/mL m  
response 4762418

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:45  
 Operator : MJB  
 Sample : 0080030-DUP1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:52:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 5.332  | 6.021  | 249.5E6  | 270.2E6  | 66.855   | 76.968   |
| 22) S DCBP (S)              | 9.524  | 10.576 | 254.2E6  | 204.0E6  | 83.458   | 91.497   |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.877  | 0.000  | 6392140  | 0        | 1.298    | N.D. #   |
| 3) g-BHC                    | 6.154  | 6.925  | 10044153 | 12211088 | 2.271    | 3.141 #  |
| 4) b-BHC                    | 6.232  | 7.029f | 14031762 | 13954906 | 7.068    | 7.402    |
| 5) Heptachlor               | 6.540f | 7.343f | 16373880 | 17669779 | 3.867    | 4.575    |
| 6) d-BHC                    | 6.396  | 7.242f | 12636329 | 16644145 | 3.063    | 4.392 #  |
| 7) Aldrin                   | 6.802  | 7.550f | 2205733  | 20695730 | 0.505    | 5.607 #  |
| 8) Heptachlo...             | 7.265  | 0.000  | 1796343  | 0        | 0.444    | N.D. #   |
| 9) trans-Chl...             | 7.359  | 0.000  | 1816314  | 0        | 0.439    | N.D. #   |
| 10) cis-Chlor...            | 7.455  | 0.000  | 1846783  | 0        | 0.450    | N.D. #   |
| 11) Endosulfa...            | 7.554  | 0.000  | 1961823  | 0        | 0.520    | N.D. #   |
| 12) 4,4'-DDE                | 7.494f | 0.000  | 1862813  | 0        | 0.456    | N.D. #   |
| 13) Dieldrin                | 7.721  | 0.000  | 1916687  | 0        | 0.453    | N.D. #   |
| 14) Endrin                  | 7.888  | 0.000  | 1867251  | 0        | 0.618    | N.D. #   |
| 15) 4,4'-DDD                | 7.943  | 0.000  | 1792408  | 0        | 0.537    | N.D. #   |
| 16) Endosulfa...            | 8.046  | 8.929f | 1697482  | 3159891  | 0.525    | 1.077 #  |
| 17) 4,4'-DDT                | 8.143  | 9.046f | 1416394  | 2625564  | 0.458    | 1.004 #  |
| 18) Endrin Al...            | 8.346  | 9.159f | 1156238  | 2723666  | 0.351    | 0.957 #  |
| 19) Endosulfa...            | 8.632  | 9.353f | 357960   | 2737696  | 0.124    | 1.102 #  |
| 20) Methoxychlor            | 8.476  | 9.488  | 694972   | 2727950  | 0.459    | 1.840 #  |
| 21) Endrin Ke...            | 8.809f | 9.719  | 20717819 | 3141637  | 8.963    | 1.807 #  |
| 23) Hexachlor...            | 3.124  | 3.718  | 204161   | 223446   | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.684f | 6.504  | 17889952 | 7197089  | 4.813    | 1.957 #  |
| 25) Oxychlorane             | 7.189  | 7.929  | 1812210  | 29152276 | 0.346    | 9.812 #  |
| 26) 2,4'-DDE                | 7.273  | 0.000  | 1807794  | 0        | 0.528    | N.D. #   |
| 27) trans-Non...            | 7.450  | 8.206  | 1839786  | 34801438 | 0.257    | 10.592 # |
| 28) 2,4'-DDD                | 7.641  | 0.000  | 1912402  | 0        | 0.661    | N.D. #   |
| 29) 2,4'-DDT                | 7.825  | 0.000  | 1885968  | 0        | 0.631    | N.D. #   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 20:45  
 Operator : MJB  
 Sample : 0080030-DUP1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 14:52:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

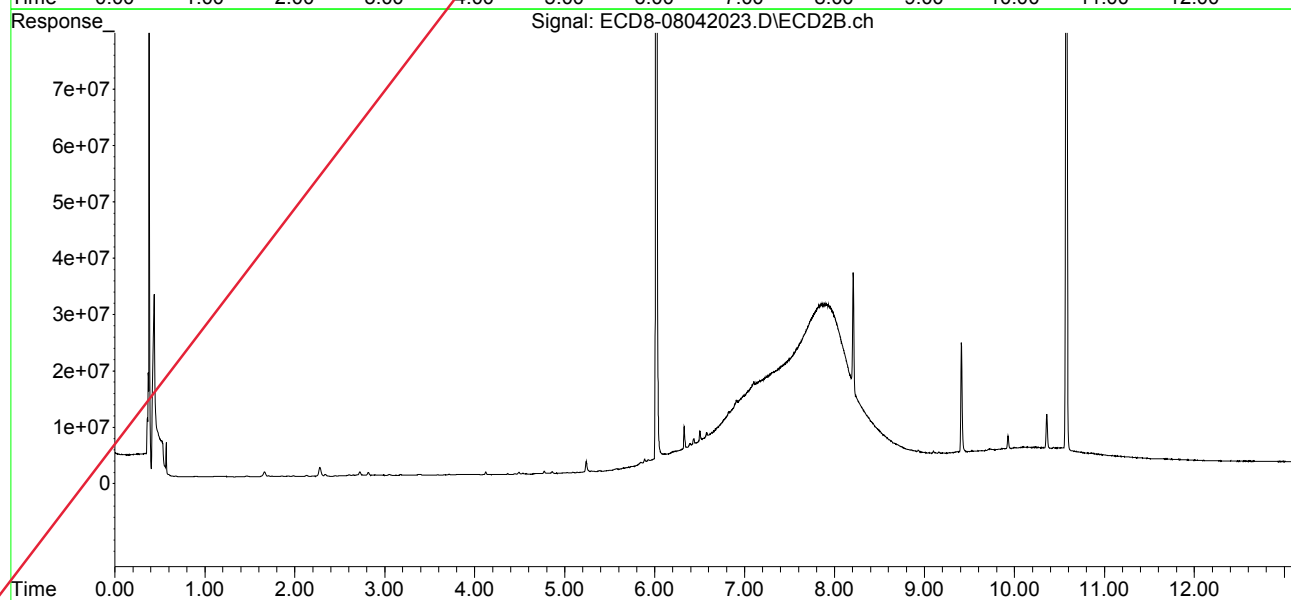
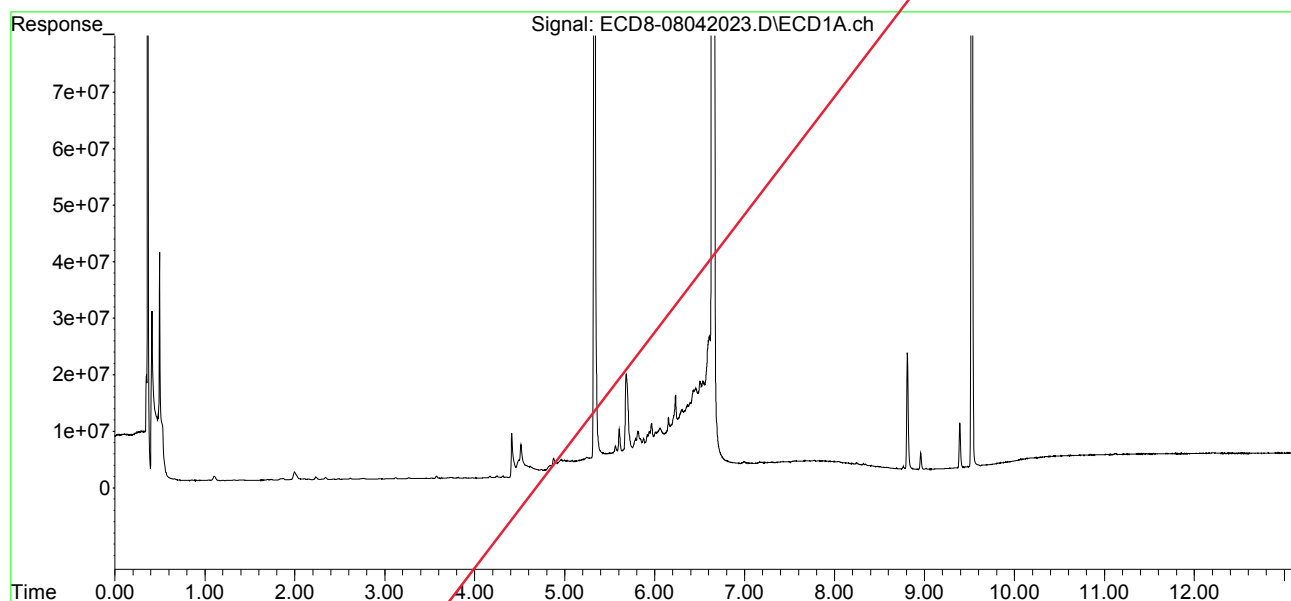
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL    |
|-----|--------------|--------|--------|---------|---------|-----------|----------|
| 30) | cis-Nonac... | 7.943f | 0.000  | 1792408 | 0       | 0.258     | N.D. #   |
| 31) | Mirex        | 8.578  | 9.719  | 488924  | 3141637 | 14904.267 | 1.079 #  |
| 32) | Chlordane... | 7.363  | 0.000  | 1814630 | 0       | 4.011     | N.D. #   |
| 33) | Chlordane... | 7.461  | 0.000  | 1852473 | 0       | 3.367     | N.D. #   |
| 34) | Chlordane... | 8.005  | 8.929  | 1693886 | 3159891 | 11.679    | 19.929 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.     |
| 36) | Toxaphene... | 7.489  | 0.000  | 1854791 | 0       | 107.824   | N.D. #   |
| 37) | Toxaphene... | 7.782  | 8.929f | 1940808 | 3159891 | 56.666    | 80.411 # |
| 38) | Toxaphene... | 8.096  | 8.929  | 1491907 | 3159891 | 19.800    | 49.969 # |
| 39) | Toxaphene... | 8.320  | 0.000  | 1281283 | 0       | 14.256    | N.D. #   |
| 40) | Toxaphene... | 8.548  | 9.159  | 512137  | 2723666 | 9.170     | 47.973 # |
| 41) | Toxaphene... | 8.632  | 9.565  | 357960  | 2782902 | 4.656     | 42.981 # |
| 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\2020-08\0H04057\  
Data File : ECD8-08042023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 20:45  
Operator : MJB  
Sample : 0080030-DUP1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 14:52:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:02  
 Operator : MJB  
 Sample : A0E0670-27  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:03:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*AML 08/05/20*

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL        |
|-----------------------------|--------|--------|----------|----------|----------|--------------|
| -----                       |        |        |          |          |          |              |
| System Monitoring Compounds |        |        |          |          |          |              |
| 1) S TCMX (S)               | 5.331  | 6.020  | 239.0E6  | 258.4E6  | 64.043   | 73.617       |
| 22) S DCBP (S)              | 9.524  | 10.576 | 260.5E6  | 194.5E6  | 85.505   | 87.541       |
| Target Compounds            |        |        |          |          |          |              |
| 2) a-BHC                    | 5.878  | 6.631  | 4103370  | 3669605  | 0.833    | 0.870        |
| 3) g-BHC                    | 6.154  | 6.971f | 5817678  | 7218755  | 1.315    | 1.861 #      |
| 4) b-BHC                    | 6.231  | 7.019  | 8113923  | 7562777  | 4.087    | 4.012        |
| 5) Heptachlor               | 6.562  | 7.323  | 9275180  | 9345187  | 2.191    | 2.412        |
| 6) d-BHC                    | 6.398  | 7.267  | 7683952  | 9047176  | 1.863    | 2.409 #      |
| 7) Aldrin                   | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.         |
| 8) Heptachlo...             | 7.269  | 7.982f | 1094698  | 14205754 | 0.270    | 3.881 #      |
| 9) trans-Chl...             | 7.356  | 0.000  | 1051977  | 0        | 0.254    | N.D. #       |
| 10) cis-Chlor...            | 7.433f | 0.000  | 1651384  | 0        | 0.403    | N.D. #       |
| 11) Endosulfa...            | 7.560  | 0.000  | 1188265  | 0        | 0.315    | N.D. #       |
| 12) 4,4'-DDE                | 7.524  | 8.352  | 1111635  | 3862971  | 0.272    | 1.142m# P-01 |
| 13) Dieldrin                | 7.717  | 8.492f | 1098322  | 3173732  | 0.260    | 0.863 #      |
| 14) Endrin                  | 7.891  | 8.743  | 1082227  | 1276612  | 0.358    | 0.494 #      |
| 15) 4,4'-DDD                | 7.940  | 8.778  | 1077403  | 1077682  | 0.323    | 0.384        |
| 16) Endosulfa...            | 8.040  | 8.929f | 1041466  | 903812   | 0.322    | 0.308        |
| 17) 4,4'-DDT                | 8.137  | 9.012  | 821018   | 441543   | 0.266    | 0.156 #      |
| 18) Endrin Al...            | 8.345  | 9.160f | 687538   | 497670   | 0.209    | 0.175        |
| 19) Endosulfa...            | 8.630  | 9.309  | 157441   | 338115   | 0.054    | 0.094 #      |
| 20) Methoxychlor            | 8.474  | 9.491  | 386941   | 422151   | 0.255    | 0.285        |
| 21) Endrin Ke...            | 8.808f | 9.718  | 21572649 | 752137   | 9.333    | 0.351 #      |
| 23) Hexachlor...            | 3.123  | 3.719  | 198394   | 238092   | BelowCal | BelowCal     |
| 24) Hexachlor...            | 5.680f | 6.503  | 14503549 | 5080735  | 3.859    | 1.315 #      |
| 25) Oxychlorane             | 7.191  | 7.914f | 1060631  | 15192450 | 0.126    | 5.028 #      |
| 26) 2,4'-DDE                | 7.269  | 8.205f | 1094698  | 21044733 | 0.248    | 9.246m# P-01 |
| 27) trans-Non...            | 7.433  | 8.206  | 1651384  | 19716249 | 0.206    | 5.926 #      |
| 28) 2,4'-DDD                | 7.635  | 8.492f | 1120295  | 3173732  | 0.306    | 1.420 # P-01 |
| 29) 2,4'-DDT                | 7.820  | 8.743  | 1114420  | 1276612  | 0.298    | 0.434 #      |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:02  
 Operator : MJB  
 Sample : A0E0670-27  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:03:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.918  | 8.778  | 1066297 | 1077682 | 0.079     | 0.127 #    |
| 31) | Mirex        | 8.585  | 9.718  | 243818  | 752137  | 14904.360 | BelowCal # |
| 32) | Chlordane... | 7.372  | 0.000  | 1040168 | 0       | 2.299     | N.D. #     |
| 33) | Chlordane... | 7.433f | 0.000  | 1651384 | 0       | 3.001     | N.D. #     |
| 34) | Chlordane... | 8.002  | 8.929  | 979021  | 903812  | 6.750     | BelowCal # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.490  | 0.000  | 1091981 | 0       | 63.480    | N.D. #     |
| 37) | Toxaphene... | 7.770  | 8.929f | 1140224 | 903812  | 32.000    | 23.000 #   |
| 38) | Toxaphene... | 8.076  | 8.929  | 903534  | 903812  | 11.991    | 14.293     |
| 39) | Toxaphene... | 8.320  | 9.007  | 805539  | 452981  | 7.114     | BelowCal # |
| 40) | Toxaphene... | 8.565  | 9.179  | 216194  | 296664  | 3.871     | 5.225 #    |
| 41) | Toxaphene... | 8.630  | 9.569  | 157441  | 418240  | 2.048     | 6.460 #    |
| 42) | Toxaphene... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |

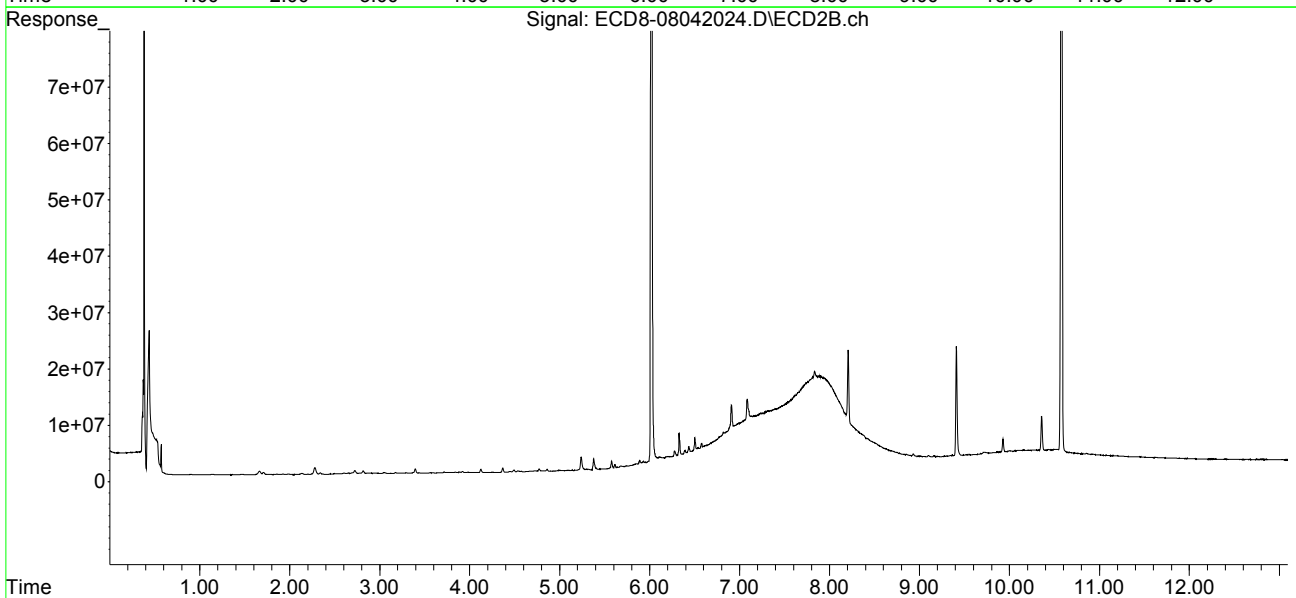
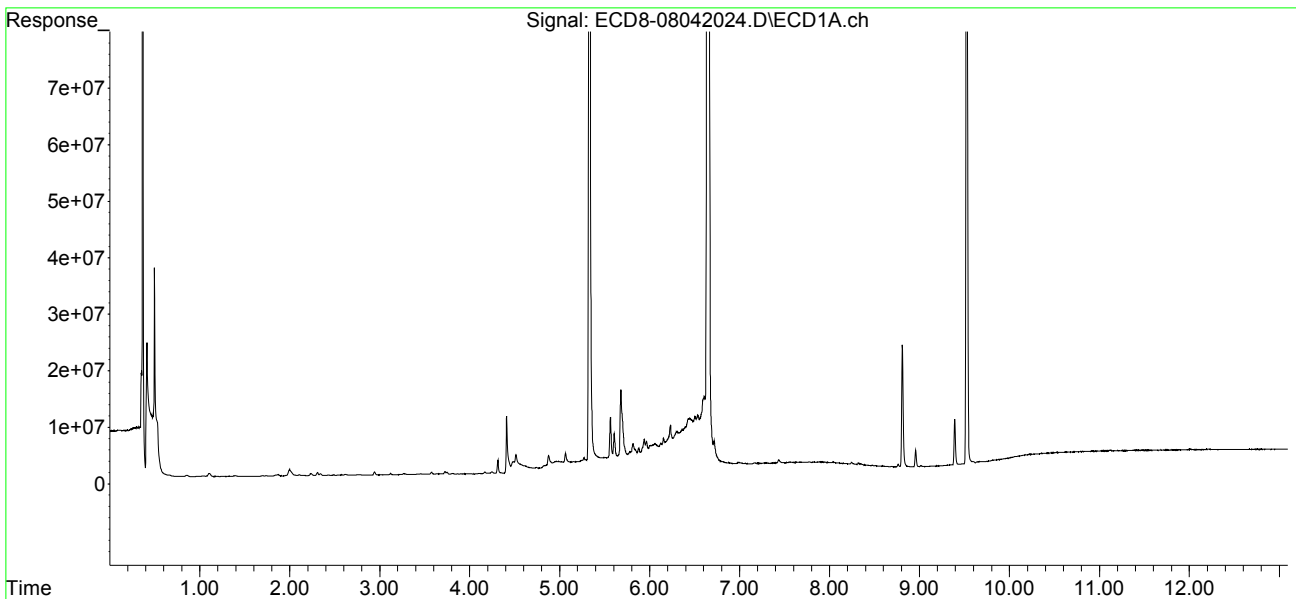
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:02  
Operator : MJB  
Sample : A0E0670-27  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 22 Sample Multiplier: 1

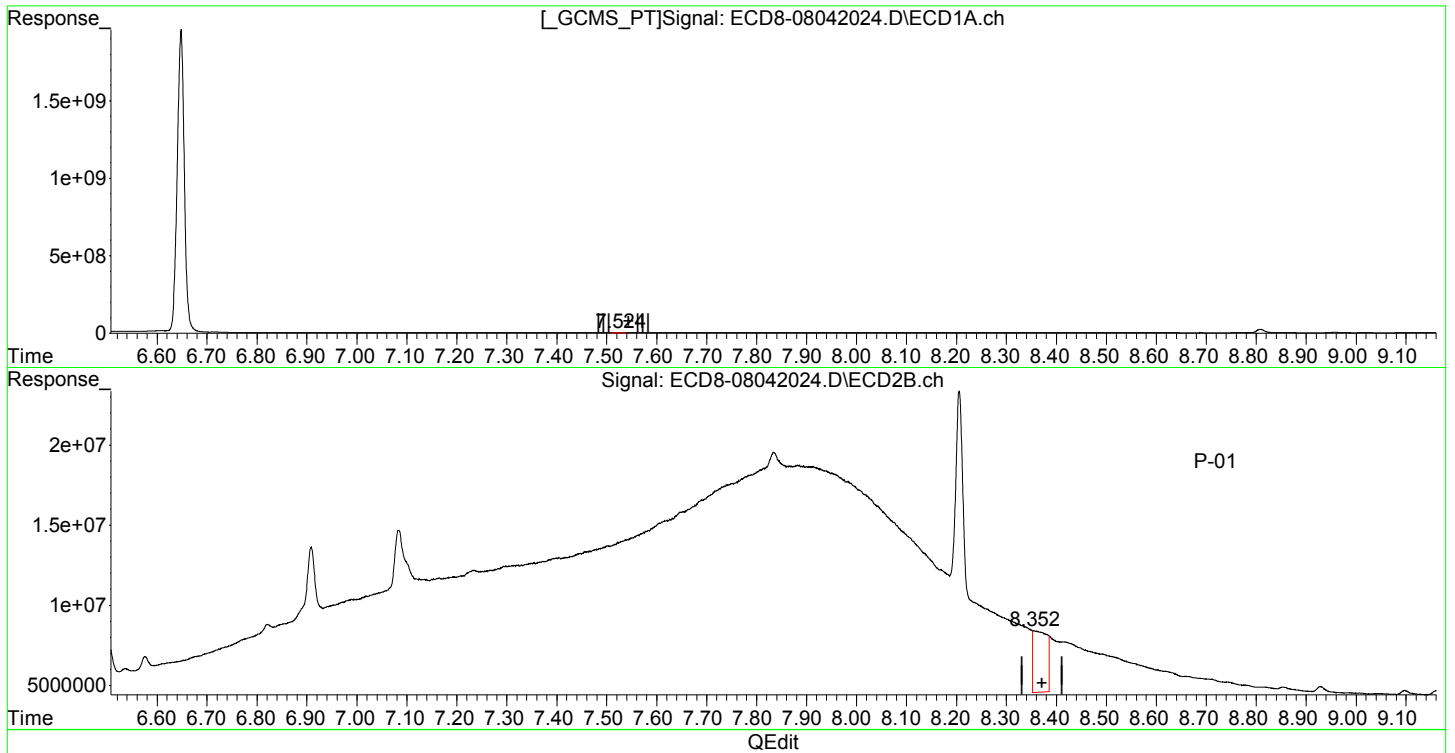
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:03:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:02  
Operator : MJB  
Sample : A0E0670-27  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:03:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(12) 4,4'-DDE  
7.524min 0.272 ng/mL  
response 1111635

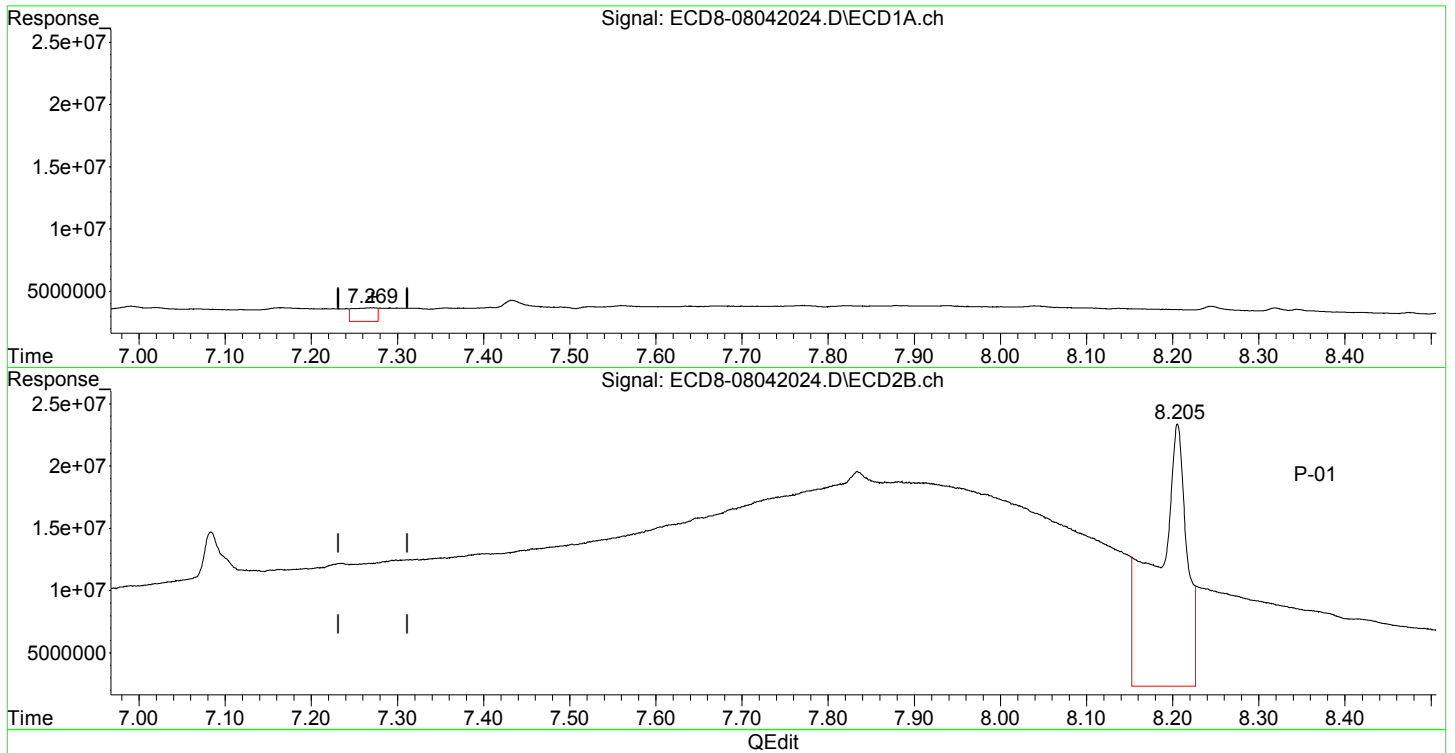
(12) 4,4'-DDE #2  
8.352min 1.142 ng/mL m  
response 3862971

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:02  
Operator : MJB  
Sample : A0E0670-27  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:03:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



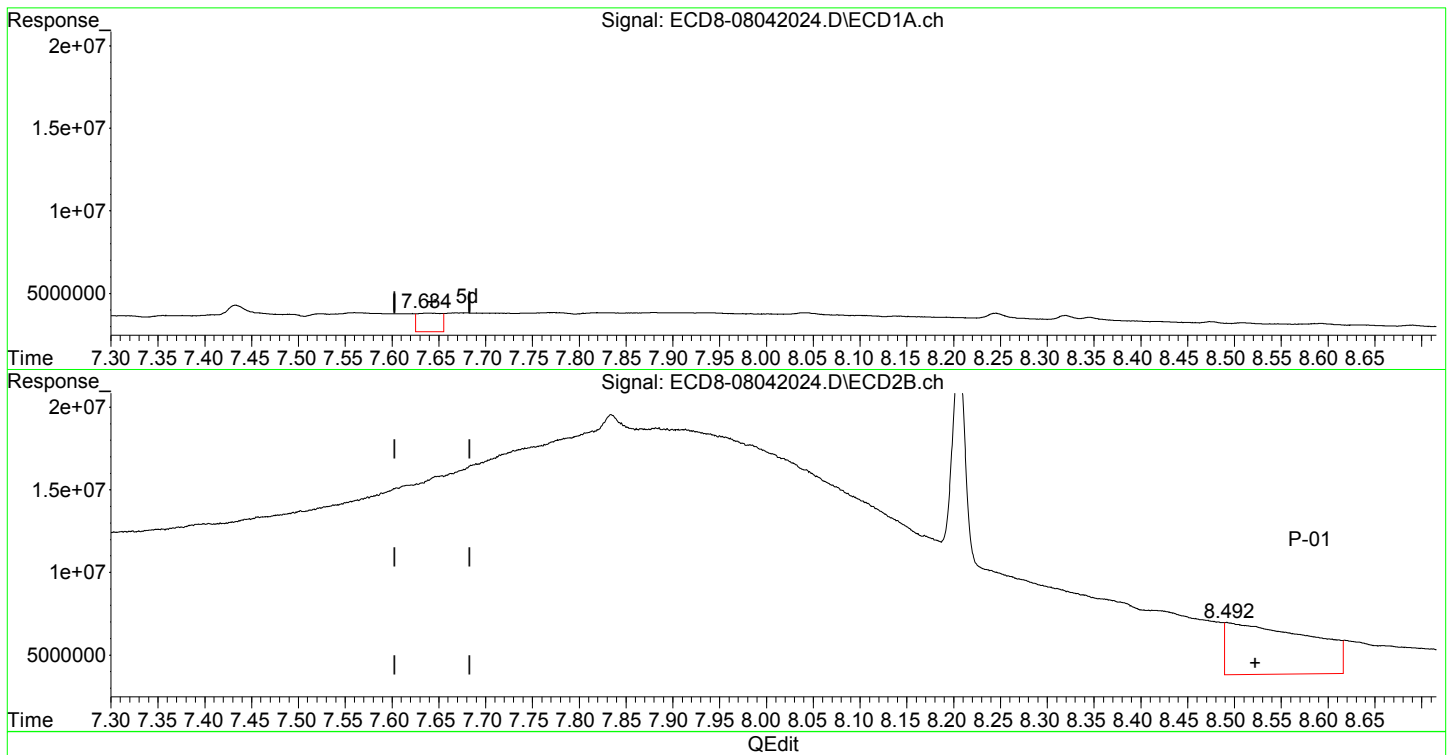
(26) 2,4'-DDE  
7.269min 0.248 ng/mL  
response 1094698

(26) 2,4'-DDE #2  
8.205min 9.246 ng/mL m  
response 21044733

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:02  
Operator : MJB  
Sample : A0E0670-27  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:03:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(28) 2,4'-DDD  
7.635min 0.306 ng/mL  
response 1120295  
  
(28) 2,4'-DDD #2  
8.492min 1.420 ng/mL  
response 3173732

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:02  
 Operator : MJB  
 Sample : A0E0670-27  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:03:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| -----                       |        |        |          |          |          |          |
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 5.331  | 6.020  | 239.0E6  | 258.4E6  | 64.043   | 73.617   |
| 22) S DCBP (S)              | 9.524  | 10.576 | 260.5E6  | 194.5E6  | 85.505   | 87.541   |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.878  | 6.631  | 4103370  | 3669605  | 0.833    | 0.870    |
| 3) g-BHC                    | 6.154  | 6.971f | 5817678  | 7218755  | 1.315    | 1.861 #  |
| 4) b-BHC                    | 6.231  | 7.019  | 8113923  | 7562777  | 4.087    | 4.012    |
| 5) Heptachlor               | 6.562  | 7.323  | 9275180  | 9345187  | 2.191    | 2.412    |
| 6) d-BHC                    | 6.398  | 7.267  | 7683952  | 9047176  | 1.863    | 2.409 #  |
| 7) Aldrin                   | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.     |
| 8) Heptachlo...             | 7.269  | 7.982f | 1094698  | 14205754 | 0.270    | 3.881 #  |
| 9) trans-Chl...             | 7.356  | 0.000  | 1051977  | 0        | 0.254    | N.D. #   |
| 10) cis-Chlor...            | 7.433f | 0.000  | 1651384  | 0        | 0.403    | N.D. #   |
| 11) Endosulfa...            | 7.560  | 0.000  | 1188265  | 0        | 0.315    | N.D. #   |
| 12) 4,4'-DDE                | 7.524  | 0.000  | 1111635  | 0        | 0.272    | N.D. #   |
| 13) Dieldrin                | 7.717  | 8.492f | 1098322  | 3173732  | 0.260    | 0.863 #  |
| 14) Endrin                  | 7.891  | 8.743  | 1082227  | 1276612  | 0.358    | 0.494 #  |
| 15) 4,4'-DDD                | 7.940  | 8.778  | 1077403  | 1077682  | 0.323    | 0.384    |
| 16) Endosulfa...            | 8.040  | 8.929f | 1041466  | 903812   | 0.322    | 0.308    |
| 17) 4,4'-DDT                | 8.137  | 9.012  | 821018   | 441543   | 0.266    | 0.156 #  |
| 18) Endrin Al...            | 8.345  | 9.160f | 687538   | 497670   | 0.209    | 0.175    |
| 19) Endosulfa...            | 8.630  | 9.309  | 157441   | 338115   | 0.054    | 0.094 #  |
| 20) Methoxychlor            | 8.474  | 9.491  | 386941   | 422151   | 0.255    | 0.285    |
| 21) Endrin Ke...            | 8.808f | 9.718  | 21572649 | 752137   | 9.333    | 0.351 #  |
| 23) Hexachlor...            | 3.123  | 3.719  | 198394   | 238092   | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.680f | 6.503  | 14503549 | 5080735  | 3.859    | 1.315 #  |
| 25) Oxychlorane             | 7.191  | 7.914f | 1060631  | 15192450 | 0.126    | 5.028 #  |
| 26) 2,4'-DDE                | 7.269  | 0.000  | 1094698  | 0        | 0.248    | N.D. #   |
| 27) trans-Non...            | 7.433  | 8.206  | 1651384  | 19716249 | 0.206    | 5.926 #  |
| 28) 2,4'-DDD                | 7.635  | 8.492f | 1120295  | 3173732  | 0.306    | 1.420 #  |
| 29) 2,4'-DDT                | 7.820  | 8.743  | 1114420  | 1276612  | 0.298    | 0.434 #  |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:02  
 Operator : MJB  
 Sample : A0E0670-27  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:03:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

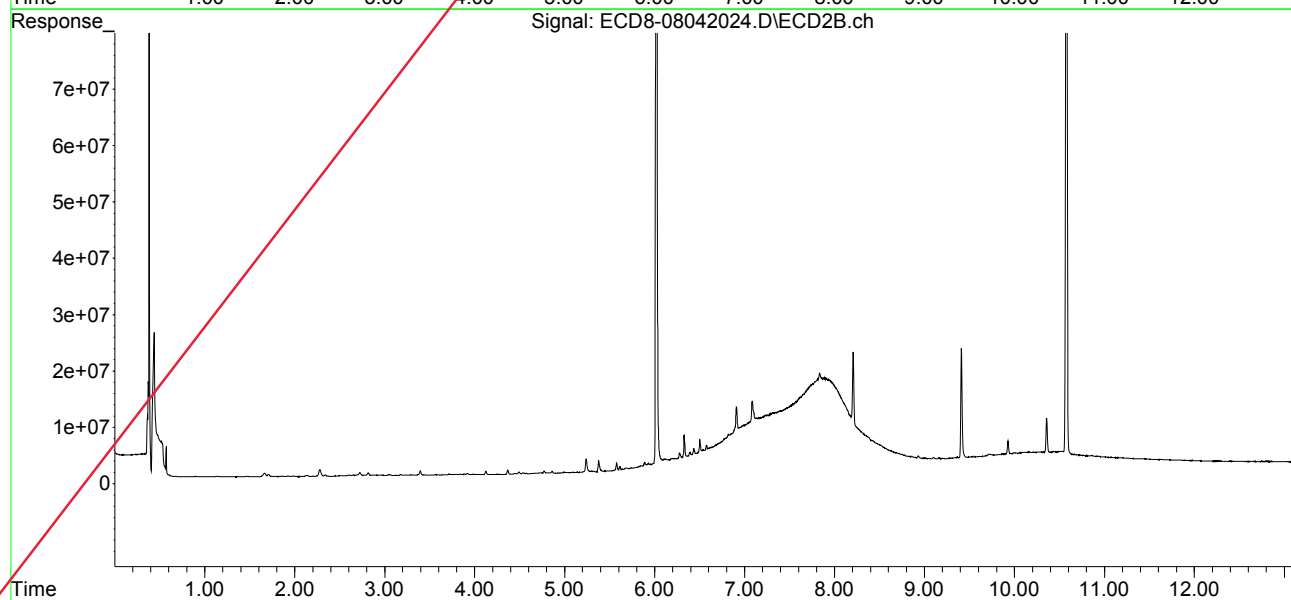
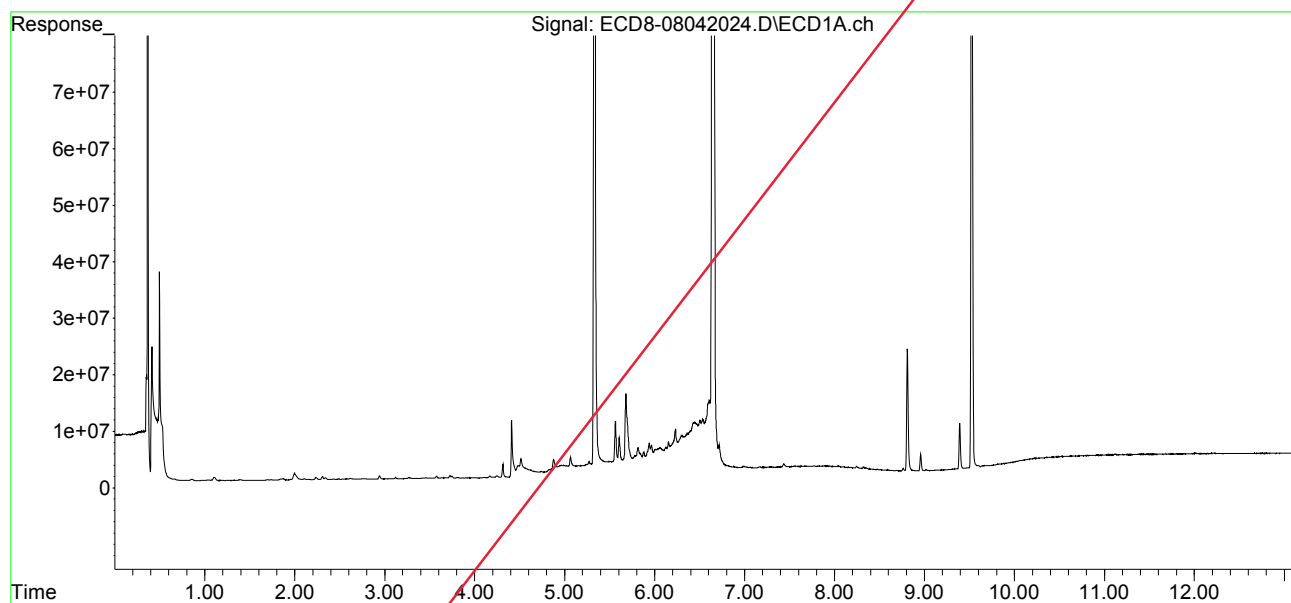
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.918  | 8.778  | 1066297 | 1077682 | 0.079     | 0.127 #    |
| 31) | Mirex        | 8.585  | 9.718  | 243818  | 752137  | 14904.360 | BelowCal # |
| 32) | Chlordane... | 7.372  | 0.000  | 1040168 | 0       | 2.299     | N.D. #     |
| 33) | Chlordane... | 7.433f | 0.000  | 1651384 | 0       | 3.001     | N.D. #     |
| 34) | Chlordane... | 8.002  | 8.929  | 979021  | 903812  | 6.750     | BelowCal # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.490  | 0.000  | 1091981 | 0       | 63.480    | N.D. #     |
| 37) | Toxaphene... | 7.770  | 8.929f | 1140224 | 903812  | 32.000    | 23.000 #   |
| 38) | Toxaphene... | 8.076  | 8.929  | 903534  | 903812  | 11.991    | 14.293     |
| 39) | Toxaphene... | 8.320  | 9.007  | 805539  | 452981  | 7.114     | BelowCal # |
| 40) | Toxaphene... | 8.565  | 9.179  | 216194  | 296664  | 3.871     | 5.225 #    |
| 41) | Toxaphene... | 8.630  | 9.569  | 157441  | 418240  | 2.048     | 6.460 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:02  
Operator : MJB  
Sample : A0E0670-27  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:03:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:18  
 Operator : MJB  
 Sample : 0080030-MS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:09:18 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*AML 08/05/20*

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL    |
|-----------------------------|--------|--------|----------|----------|------------|----------|
| -----                       |        |        |          |          |            |          |
| System Monitoring Compounds |        |        |          |          |            |          |
| 1) S TCMX (S)               | 5.331  | 6.019  | 250.6E6  | 274.9E6  | 67.152     | 78.302   |
| 22) S DCBP (S)              | 9.524  | 10.576 | 253.4E6  | 195.5E6  | 83.195     | 87.970   |
| Target Compounds            |        |        |          |          |            |          |
| 2) a-BHC                    | 5.877  | 6.613  | 3614409  | 3381120  | 0.734      | 0.805    |
| 3) g-BHC                    | 6.154  | 6.942  | 4914213  | 6431751  | 1.111      | 1.658 #  |
| 4) b-BHC                    | 6.230  | 7.014  | 6936200  | 6923468  | 3.494      | 3.672    |
| 5) Heptachlor               | 6.540f | 7.315  | 8341408  | 8458060  | 1.970      | 2.181    |
| 6) d-BHC                    | 6.364f | 7.260  | 6256355  | 8167961  | 1.517      | 2.179 #  |
| 7) Aldrin                   | 0.000  | 7.575  | 0        | 10175322 | N.D.       | 2.764 #  |
| 8) Heptachlo...             | 7.267  | 7.993f | 204.6E6  | 12695141 | 50.529     | 3.468 #  |
| 9) trans-Chl...             | 7.378  | 8.146  | 1287119  | 220.7E6  | 0.311      | 59.564 # |
| 10) cis-Chlor...            | 7.476  | 0.000  | 1075605  | 0        | 0.262      | N.D. #   |
| 11) Endosulfa...            | 7.517f | 0.000  | 327.9E6  | 0        | 86.916     | N.D. #   |
| 12) 4,4'-DDE                | 7.517  | 8.367  | 327.9E6  | 361.3E6  | 80.216 RPT | 90.661   |
| 13) Dieldrin                | 7.735  | 8.519  | 1413879  | 213.3E6  | 0.334      | 57.984 # |
| 14) Endrin                  | 0.000  | 8.744  | 0        | 245.7E6  | N.D.       | 88.324 # |
| 15) 4,4'-DDD                | 7.937  | 8.783  | 278.2E6  | 302.7E6  | 83.307     | 91.595   |
| 16) Endosulfa...            | 8.083f | 8.890  | 1233298  | 1889352  | 0.381      | 0.644 #  |
| 17) 4,4'-DDT                | 8.133  | 9.010  | 279.9E6  | 295.8E6  | 90.597     | 95.023   |
| 18) Endrin Al...            | 8.347  | 9.134  | 783805   | 1347562  | 0.238      | 0.473 #  |
| 19) Endosulfa...            | 8.600f | 9.322  | 230561   | 1226831  | 0.080      | 0.468 #  |
| 20) Methoxychlor            | 8.475  | 9.492  | 371290   | 1325752  | 0.245      | 0.894 #  |
| 21) Endrin Ke...            | 8.809f | 9.725  | 21742688 | 1696821  | 9.406      | 0.928 #  |
| 23) Hexachlor...            | 3.122  | 3.718  | 264726   | 313219   | BelowCal   | BelowCal |
| 24) Hexachlor...            | 5.681f | 6.500  | 14180937 | 6238707  | 3.769      | 1.667 #  |
| 25) Oxychlorane             | 7.196  | 0.000  | 876501   | 0        | 0.072      | N.D. #   |
| 26) 2,4'-DDE                | 7.267  | 8.146  | 204.6E6  | 220.7E6  | 78.253 RPT | 89.251   |
| 27) trans-Non...            | 7.432  | 8.206  | 1724292  | 18657464 | 0.226      | 5.596 #  |
| 28) 2,4'-DDD                | 7.638  | 8.519  | 198.5E6  | 213.3E6  | 87.413 RPT | 97.004   |
| 29) 2,4'-DDT                | 7.819  | 8.744  | 229.9E6  | 245.7E6  | 95.852     | 105.745  |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:18  
 Operator : MJB  
 Sample : 0080030-MS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:09:18 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

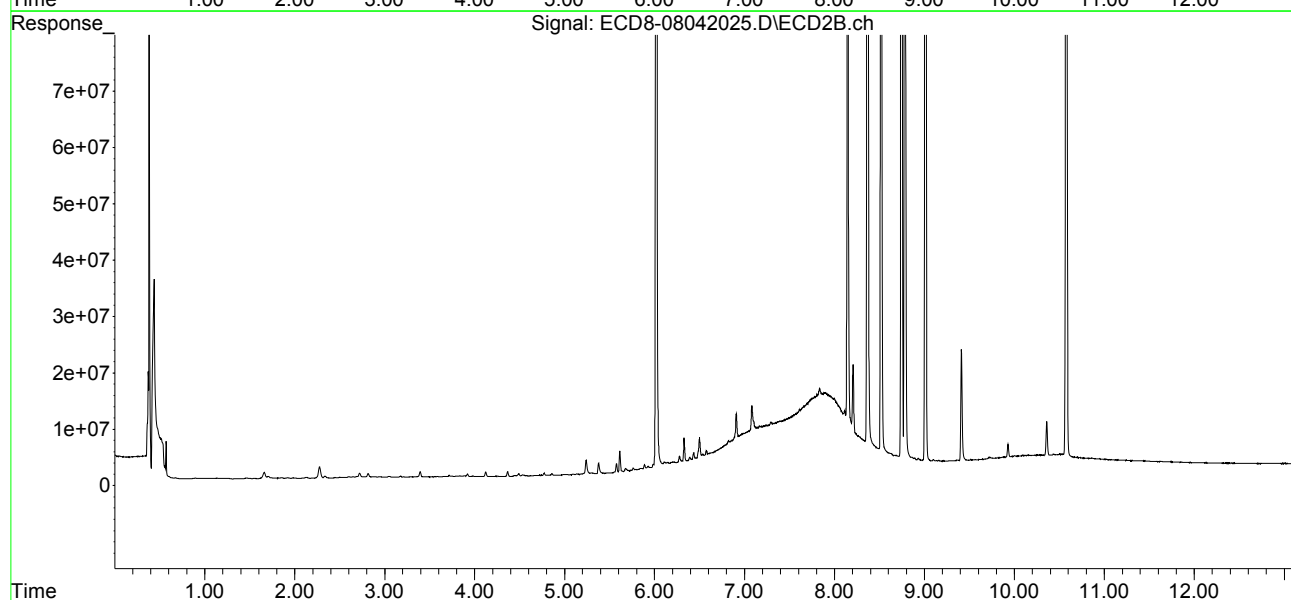
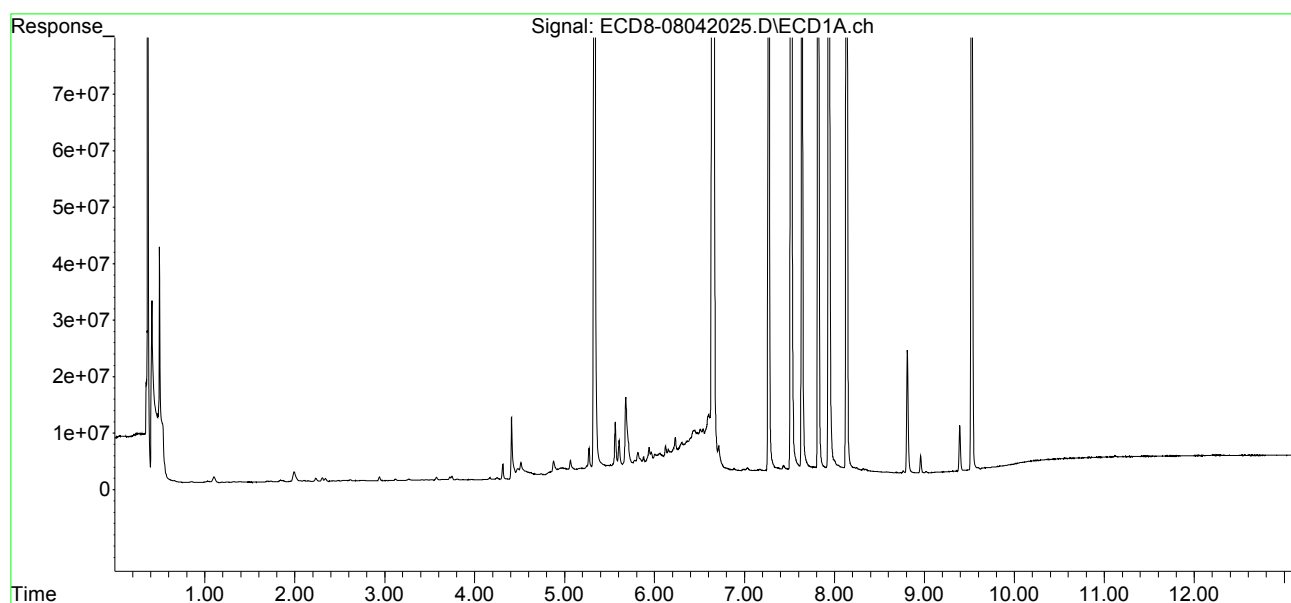
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.937f | 8.783  | 278.2E6 | 302.7E6 | 67.683    | 78.777     |
| 31) | Mirex        | 8.578  | 9.712  | 275559  | 1634312 | 14904.348 | 0.363 #    |
| 32) | Chlordane... | 7.378  | 8.146  | 1287119 | 220.7E6 | 2.845     | 499.550 #  |
| 33) | Chlordane... | 7.476  | 0.000  | 1075605 | 0       | 1.955     | N.D. #     |
| 34) | Chlordane... | 0.000  | 8.930  | 0       | 1813103 | N.D.      | 7.247 #    |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.476  | 8.519f | 1075605 | 213.3E6 | 62.528    | 7052.620 # |
| 37) | Toxaphene... | 7.786  | 8.890  | 1369650 | 1889352 | 39.068    | 48.079     |
| 38) | Toxaphene... | 8.083  | 8.930  | 1233298 | 1813103 | 16.368    | 28.672 #   |
| 39) | Toxaphene... | 8.318  | 9.010  | 908434  | 295.8E6 | 8.659     | 2519.623 # |
| 40) | Toxaphene... | 8.578  | 9.160  | 275559  | 1391276 | 4.934     | 24.505 #   |
| 41) | Toxaphene... | 8.600f | 9.563  | 230561  | 1379765 | 2.999     | 21.310 #   |
| 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\2020-08\0H04057\  
Data File : ECD8-08042025.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:18  
Operator : MJB  
Sample : 0080030-MS1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:09:18 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042026.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:35  
 Operator : MJB  
 Sample : 0H04057-CCV5  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:11:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*AML 08/05/20*

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|-------|--------|----------|----------|----------|------------|
| -----                       |       |        |          |          |          |            |
| System Monitoring Compounds |       |        |          |          |          |            |
| 1) S TCMX (S)               | 5.331 | 6.020  | 167.1E6  | 185.8E6  | 44.781   | 52.929     |
| 22) S DCBP (S)              | 9.526 | 10.576 | 155.6E6  | 121.4E6  | 51.072   | 56.062     |
| Target Compounds            |       |        |          |          |          |            |
| 2) a-BHC                    | 5.874 | 6.625  | 236.5E6  | 263.7E6  | 48.028   | 55.008     |
| 3) g-BHC                    | 6.157 | 6.942  | 198.3E6  | 226.9E6  | 44.823   | 53.698     |
| 4) b-BHC                    | 6.236 | 7.006  | 74310726 | 90946558 | 37.429   | 48.242 #   |
| 5) Heptachlor               | 6.562 | 7.314  | 212.1E6  | 230.7E6  | 50.103   | 55.781     |
| 6) d-BHC                    | 6.388 | 7.261  | 153.6E6  | 212.1E6  | 37.234   | 51.856 #   |
| 7) Aldrin                   | 6.801 | 7.579  | 216.4E6  | 219.0E6  | 49.594   | 55.267     |
| 8) Heptachlo...             | 7.261 | 8.016  | 199.8E6  | 201.4E6  | 49.344   | 55.012     |
| 9) trans-Chl...             | 7.356 | 8.155  | 200.3E6  | 204.2E6  | 48.415   | 55.104     |
| 10) cis-Chlor...            | 7.452 | 8.262  | 192.7E6  | 191.2E6  | 46.984   | 53.890     |
| 11) Endosulfa...            | 7.550 | 8.314  | 182.5E6  | 182.7E6  | 48.364   | 55.154     |
| 12) 4,4'-DDE                | 7.521 | 8.369  | 178.8E6  | 198.8E6  | 43.732   | 52.946     |
| 13) Dieldrin                | 7.721 | 8.514  | 214.6E6  | 213.3E6  | 50.743   | 58.001     |
| 14) Endrin                  | 7.885 | 8.742  | 147.2E6  | 137.5E6  | 48.669   | 52.260     |
| 15) 4,4'-DDD                | 7.942 | 8.784  | 139.5E6  | 168.7E6  | 41.753   | 54.064 #   |
| 16) Endosulfa...            | 8.044 | 8.889  | 149.0E6  | 158.5E6  | 46.068   | 54.017     |
| 17) 4,4'-DDT                | 8.136 | 9.010  | 132.4E6  | 150.5E6  | 42.860   | 52.458     |
| 18) Endrin Al...            | 8.332 | 9.126  | 140.3E6  | 144.4E6  | 42.595   | 50.724     |
| 19) Endosulfa...            | 8.632 | 9.316  | 138.5E6  | 154.1E6  | 47.808   | 59.010     |
| 20) Methoxychlor            | 8.480 | 9.490  | 63989516 | 71246045 | 42.223   | 48.049     |
| 21) Endrin Ke...            | 8.825 | 9.716  | 160.1E6  | 169.0E6  | 69.266   | 86.774 #   |
| 23) Hexachlor...            | 3.123 | 3.718  | 16674    | 13033    | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.715 | 6.486  | 380152   | 19876    | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.198 | 7.933  | 867876   | 245480   | 0.070    | BelowCal # |
| 26) 2,4'-DDE                | 7.261 | 8.155  | 199.8E6  | 204.2E6  | 76.450   | 83.171     |
| 27) trans-Non...            | 7.452 | 8.211  | 192.7E6  | 975698   | 51.016   | 0.053 #    |
| 28) 2,4'-DDD                | 0.000 | 8.514  | 0        | 213.3E6  | N.D.     | 97.029 #   |
| 29) 2,4'-DDT                | 7.822 | 8.742  | 815933   | 137.5E6  | 0.169    | 62.486 #   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042026.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:35  
 Operator : MJB  
 Sample : 0H04057-CCV5  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:11:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

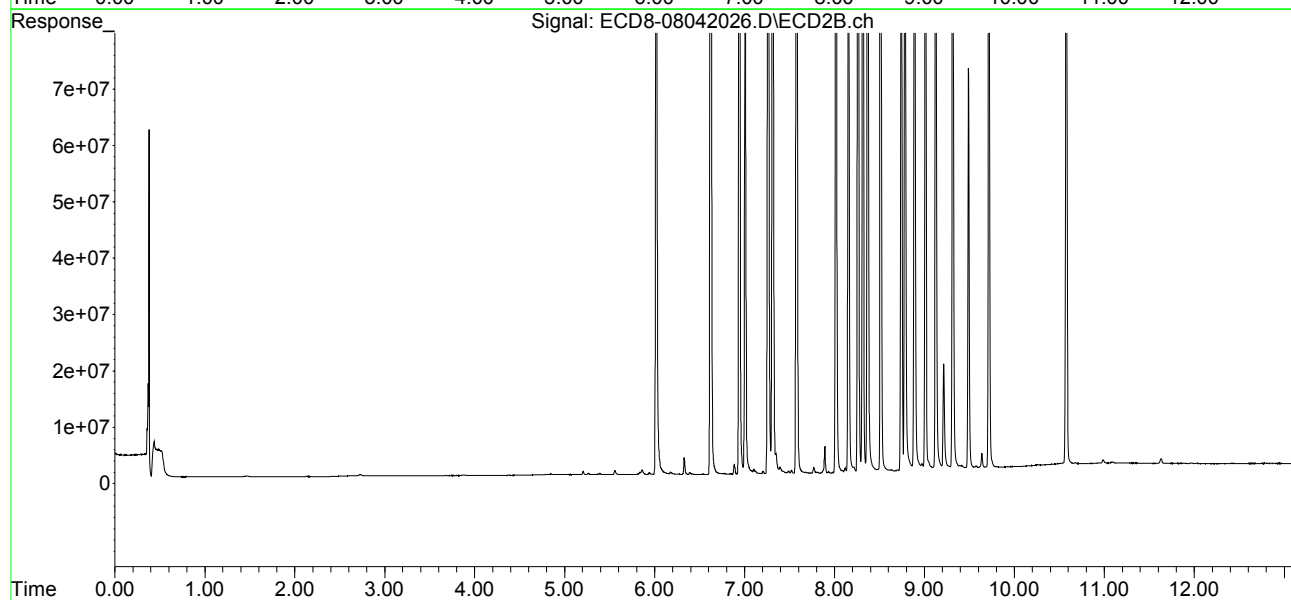
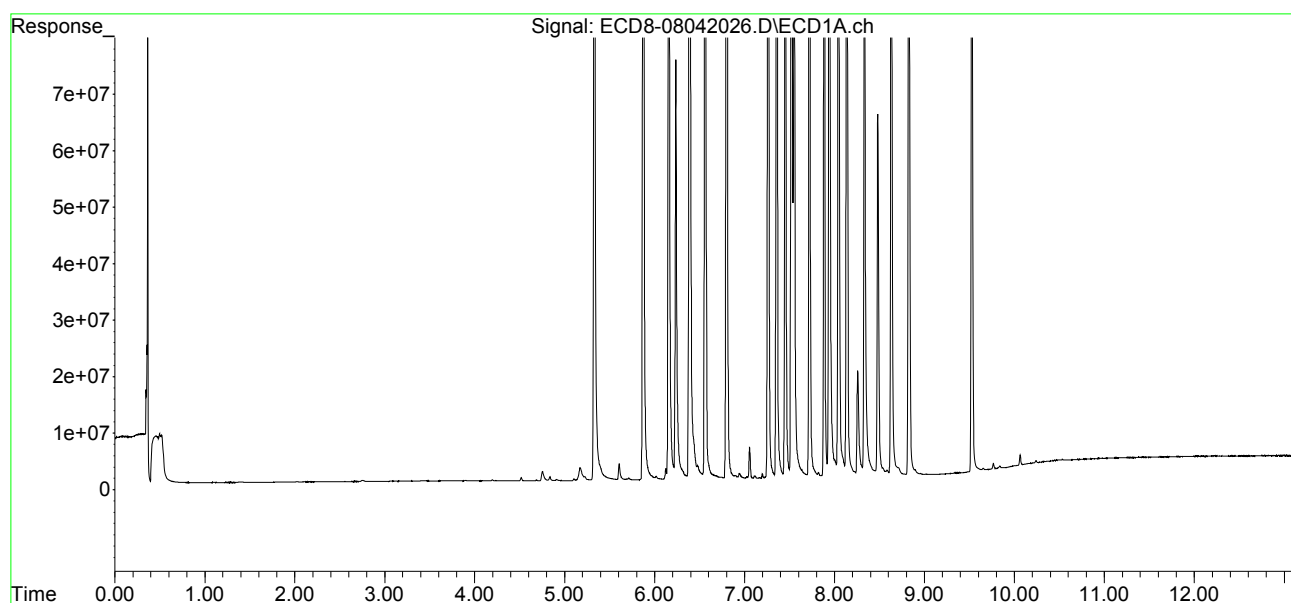
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2   | ng/mL     | ng/mL    |   |
|-----|--------------|--------|--------|---------|----------|-----------|----------|---|
| 30) | cis-Nonac... | 7.942f | 8.784  | 139.5E6 | 168.7E6  | 34.004    | 45.473   | # |
| 31) | Mirex        | 8.584  | 9.716  | 903472  | 169.0E6  | 0.059     | 75.087   | # |
| 32) | Chlordane... | 7.356  | 8.155  | 200.3E6 | 204.2E6  | 442.804   | 462.145  |   |
| 33) | Chlordane... | 7.452  | 8.262  | 192.7E6 | 191.2E6  | 350.208   | 513.667  | # |
| 34) | Chlordane... | 8.002  | 0.000  | 3021501 | 0        | 20.833    | N.D.     | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0        | N.D.      | N.D.     |   |
| 36) | Toxaphene... | 7.521f | 8.514f | 178.8E6 | 213.3E6  | 10393.211 | 7054.672 | # |
| 37) | Toxaphene... | 0.000  | 8.889  | 0       | 158.5E6  | N.D.      | 4032.705 | # |
| 38) | Toxaphene... | 0.000  | 8.972f | 0       | 1334696  | N.D.      | 21.106   | # |
| 39) | Toxaphene... | 8.332  | 9.010  | 140.3E6 | 150.5E6  | 1942.959  | 1418.270 | # |
| 40) | Toxaphene... | 8.584f | 9.214f | 903472  | 18981893 | 16.176    | 334.332  | # |
| 41) | Toxaphene... | 8.632  | 9.574  | 138.5E6 | 788130   | 1801.167  | 12.172   | # |
| 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\2020-08\0H04057\  
Data File : ECD8-08042026.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:35  
Operator : MJB  
Sample : 0H04057-CCV5  
Misc : A20E232, AB 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:11:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042027.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:51  
 Operator : MJB  
 Sample : 0H04057-CCV6  
 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: Aug 05 15:12:57 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*ATML 08/05/20*

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.307f | 6.013  | 2481620 | 215281  | 0.665    | 0.061 #    |
| 22) S DCBP (S)              | 9.526  | 10.583 | 324372  | 633636  | BelowCal | 0.061      |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.897f | 6.624  | 456159  | 371654  | 0.093    | 0.125 #    |
| 3) g-BHC                    | 6.173  | 6.950  | 127080  | 112845  | 0.029    | 0.028      |
| 4) b-BHC                    | 6.221  | 7.008  | 159151  | 125152  | 0.080    | 0.066      |
| 5) Heptachlor               | 6.557  | 7.311  | 588101  | 598269  | 0.139    | 0.123      |
| 6) d-BHC                    | 6.379  | 7.262  | 166335  | 146939  | 0.040    | 0.071 #    |
| 7) Aldrin                   | 6.799  | 7.574  | 155698  | 91010   | 0.036    | 0.016 #    |
| 8) Heptachlo...             | 7.267  | 8.045f | 125.0E6 | 468880  | 30.877   | 0.128 #    |
| 9) trans-Chl...             | 7.354  | 8.147  | 3148916 | 130.3E6 | 0.761    | 35.173 #   |
| 10) cis-Chlor...            | 7.443  | 8.262  | 200.9E6 | 4770092 | 48.978   | 1.344 #    |
| 11) Endosulfa...            | 7.574f | 8.324  | 3778245 | 624923  | 1.001    | 0.189 #    |
| 12) 4,4'-DDE                | 7.532  | 8.372  | 892230  | 213057  | 0.218    | 0.081 #    |
| 13) Dieldrin                | 0.000  | 8.520  | 0       | 118.3E6 | N.D.     | 32.179 #   |
| 14) Endrin                  | 7.912f | 8.743  | 222.1E6 | 123.7E6 | 73.440   | 47.349 #   |
| 15) 4,4'-DDD                | 7.912f | 8.783  | 222.1E6 | 218.3E6 | 66.485   | 68.409     |
| 16) Endosulfa...            | 8.062  | 8.881  | 364189  | 241154  | 0.113    | 0.082 #    |
| 17) 4,4'-DDT                | 8.134  | 8.995  | 315312  | 231993  | 0.102    | 0.074 #    |
| 18) Endrin Al...            | 8.338  | 9.128  | 369113  | 168407  | 0.112    | 0.059 #    |
| 19) Endosulfa...            | 8.675f | 9.323  | 409499  | 91148   | 0.141    | BelowCal # |
| 20) Methoxychlor            | 8.470  | 9.488  | 105534  | 50482   | 0.070    | 0.034 #    |
| 21) Endrin Ke...            | 8.814  | 9.707  | 336223  | 129.8E6 | 0.145    | 68.891 #   |
| 23) Hexachlor...            | 3.123  | 3.719  | 237.2E6 | 280.7E6 | 68.129   | 70.752     |
| 24) Hexachlor...            | 5.712  | 6.485  | 163.1E6 | 187.1E6 | 45.329   | 53.302     |
| 25) Oxychlorane             | 7.186  | 7.944  | 180.8E6 | 177.4E6 | 52.769   | 57.821     |
| 26) 2,4'-DDE                | 7.267  | 8.147  | 125.0E6 | 130.3E6 | 48.140   | 54.926     |
| 27) trans-Non...            | 7.443  | 8.218  | 200.9E6 | 191.4E6 | 53.185   | 56.226     |
| 28) 2,4'-DDD                | 7.639  | 8.520  | 113.1E6 | 118.3E6 | 50.043   | 56.480     |
| 29) 2,4'-DDT                | 7.819  | 8.743  | 126.0E6 | 123.7E6 | 53.208   | 56.598     |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042027.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 21:51  
 Operator : MJB  
 Sample : 0H04057-CCV6  
 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: Aug 05 15:12:57 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

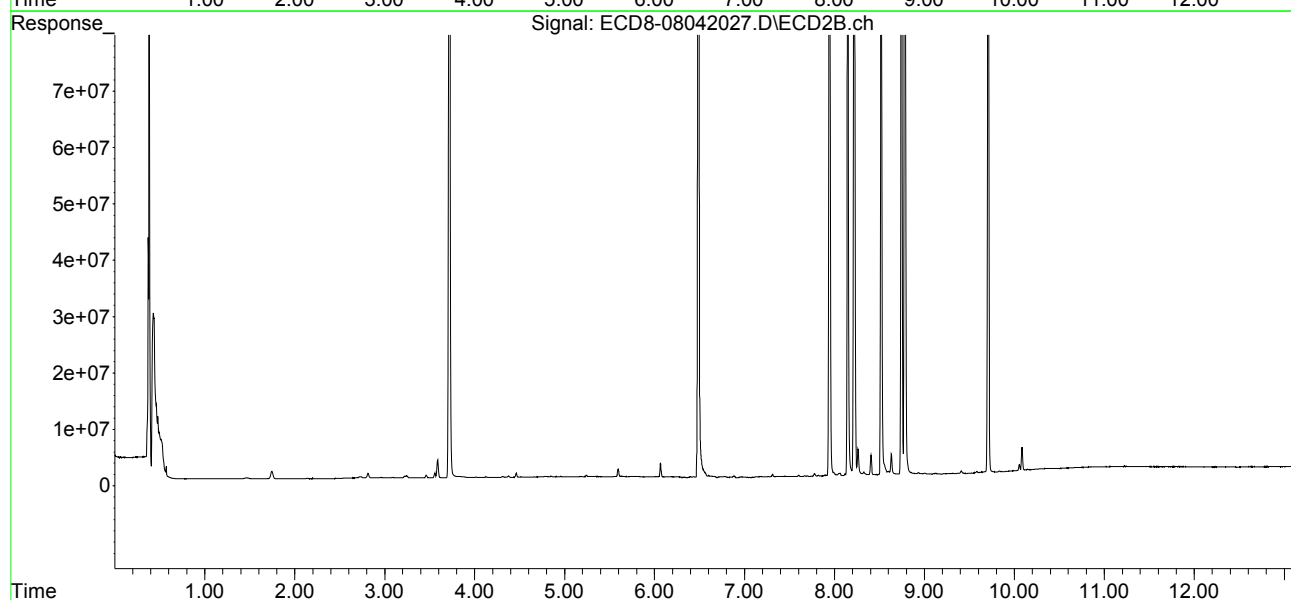
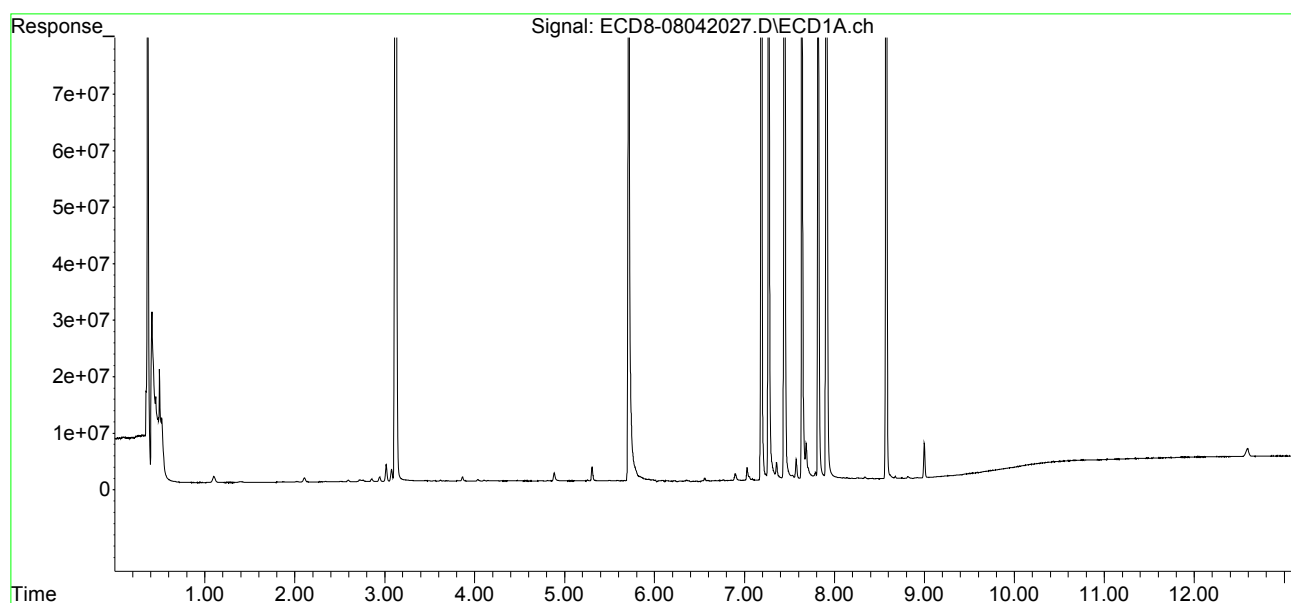
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----|--------------|-------|--------|---------|---------|----------|------------|
| 30) | cis-Nonac... | 7.912 | 8.783  | 222.1E6 | 218.3E6 | 54.090   | 58.066     |
| 31) | Mirex        | 8.575 | 9.707  | 145.2E6 | 129.8E6 | 55.456   | 58.362     |
| 32) | Chlordane... | 7.354 | 8.147  | 3148916 | 130.3E6 | 6.961    | 294.987 #  |
| 33) | Chlordane... | 7.443 | 8.262  | 200.9E6 | 4770092 | 365.067  | 12.815 #   |
| 34) | Chlordane... | 0.000 | 8.932  | 0       | 350306  | N.D.     | BelowCal   |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.     | N.D.       |
| 36) | Toxaphene... | 0.000 | 8.520f | 0       | 118.3E6 | N.D.     | 3913.923 # |
| 37) | Toxaphene... | 7.788 | 8.881  | 1380200 | 241154  | 39.393   | 6.137 #    |
| 38) | Toxaphene... | 8.102 | 8.932  | 327803  | 350306  | 4.350    | 5.540 #    |
| 39) | Toxaphene... | 8.338 | 8.995  | 369113  | 231993  | 0.558    | BelowCal # |
| 40) | Toxaphene... | 8.575 | 9.164  | 145.2E6 | 65411   | 2599.592 | 1.152 #    |
| 41) | Toxaphene... | 0.000 | 9.583f | 0       | 355595  | N.D.     | 5.492 #    |
| 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\2020-08\0H04057\  
Data File : ECD8-08042027.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 21:51  
Operator : MJB  
Sample : 0H04057-CCV6  
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: Aug 05 15:12:57 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 22:08  
 Operator : MJB  
 Sample : 0H04057-CCB3  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:15:45 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

*AML 08/05/20*

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|---------|---------|------------|------------|
| -----                       |        |        |         |         |            |            |
| System Monitoring Compounds |        |        |         |         |            |            |
| 1) S TCMX (S)               | 5.331  | 6.020  | 319.9E6 | 364.7E6 | 85.720     | 103.901    |
| 22) S DCBP (S)              | 9.526  | 10.577 | 276.0E6 | 230.1E6 | 90.589     | 102.276    |
| Target Compounds            |        |        |         |         |            |            |
| 2) a-BHC                    | 5.886  | 6.593f | 36053   | 22025   | 0.007      | 0.046 #    |
| 3) g-BHC                    | 0.000  | 6.957  | 0       | 13647   | N.D.       | 0.002 #    |
| 4) b-BHC                    | 6.226  | 7.003  | 146347  | 11978   | 0.074      | 0.006 #    |
| 5) Heptachlor               | 6.576  | 7.314  | 12324   | 36274   | 0.003      | BelowCal # |
| 6) d-BHC                    | 6.389  | 7.261  | 7980    | 54546   | 0.002      | 0.047 #    |
| 7) Aldrin                   | 6.817  | 7.604f | 145099  | 72491   | 0.033      | 0.011 #    |
| 8) Heptachlo...             | 0.000  | 8.005  | 0       | 11805   | N.D.       | 0.003 #    |
| 9) trans-Chl...             | 7.362  | 8.157  | 180358  | 7984    | 0.044      | 0.002 #    |
| 10) cis-Chlor...            | 7.453  | 8.273  | 11011   | 114479  | 0.003      | 0.032 #    |
| 11) Endosulfa...            | 7.523f | 8.325  | 28765   | 6740    | 0.008      | 0.002 #    |
| 12) 4,4'-DDE                | 7.523  | 8.392f | 28765   | 26834   | 0.007      | 0.026 #    |
| 13) Dieldrin                | 7.719  | 8.533  | 45831   | 16474   | 0.011      | 0.004 #    |
| 14) Endrin                  | 7.921f | 8.745  | 7134    | 22579   | 0.002      | BelowCal # |
| 15) 4,4'-DDD                | 7.963  | 8.811f | 5609    | 13557   | 0.002      | 0.012 #    |
| 16) Endosulfa...            | 0.000  | 8.871f | 0       | 25103   | N.D.       | 0.009 #    |
| 17) 4,4'-DDT                | 8.160  | 8.999  | 12780   | 48853   | 0.004      | 0.003 #    |
| 18) Endrin Al...            | 8.333  | 9.094f | 110439  | 148960  | 0.034      | 0.052 #    |
| 19) Endosulfa...            | 8.638  | 0.000  | 25759   | 0       | 0.009      | N.D. #     |
| 20) Methoxychlor            | 0.000  | 9.468f | 0       | 137985  | N.D.       | 0.093 #    |
| 21) Endrin Ke...            | 8.824  | 0.000  | 249925  | 0       | 0.108      | N.D. #     |
| 23) Hexachlor...            | 3.126  | 3.721  | 26605   | 13121   | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.714  | 6.486  | 672741  | 51085   | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.180  | 7.964  | 11395   | 13023   | 104477.348 | BelowCal # |
| 26) 2,4'-DDE                | 0.000  | 8.157  | 0       | 7984    | N.D.       | BelowCal   |
| 27) trans-Non...            | 7.444  | 0.000  | 13046   | 0       | BelowCal   | N.D.       |
| 28) 2,4'-DDD                | 7.674f | 8.533  | 35416   | 16474   | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.806  | 8.745  | 12804   | 22579   | BelowCal   | BelowCal   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
 Data File : ECD8-08042028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 4 Aug 2020 22:08  
 Operator : MJB  
 Sample : 0H04057-CCB3  
 Misc : A20G257  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Aug 05 15:15:45 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

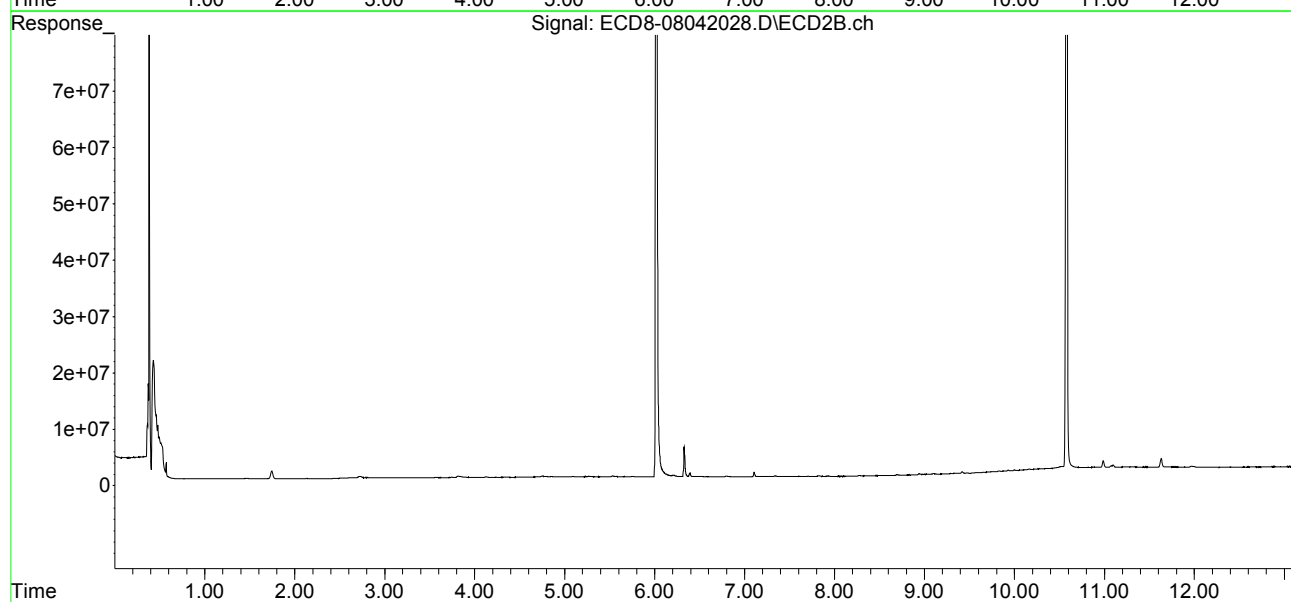
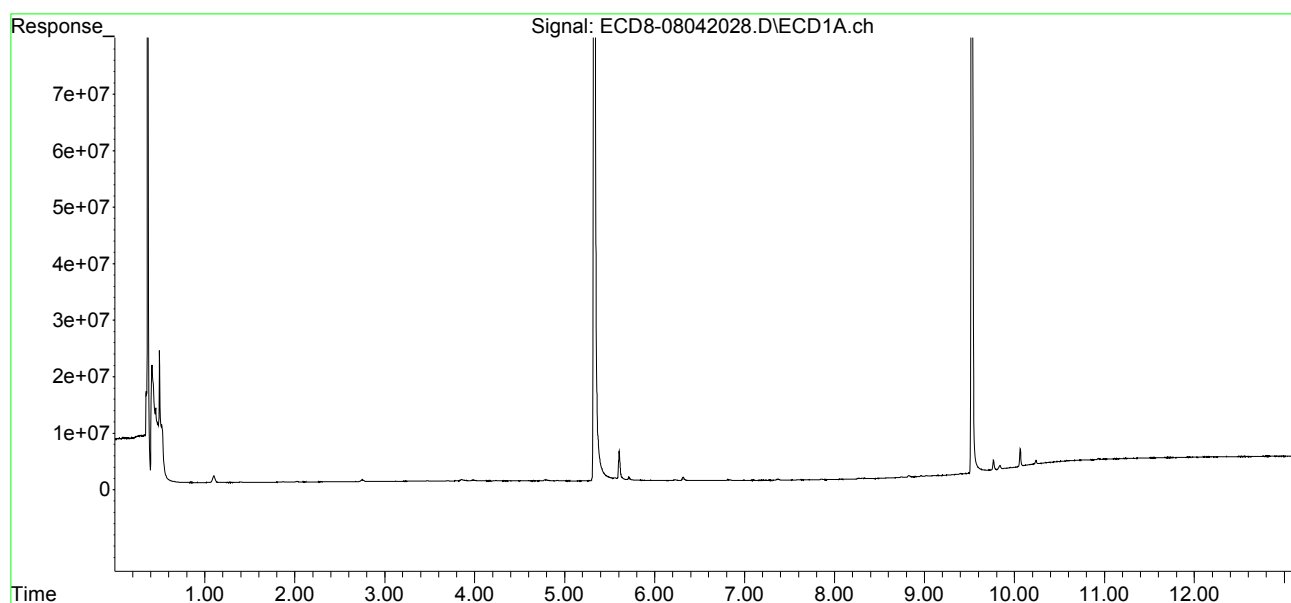
|     | Compound     | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL    |
|-----|--------------|--------|--------|--------|--------|------------|----------|
| 30) | cis-Nonac... | 7.921  | 8.811f | 7134   | 13557  | BelowCal   | BelowCal |
| 31) | Mirex        | 8.582  | 0.000  | 54359  | 0      | 14904.433  | N.D. #   |
| 32) | Chlordane... | 7.362  | 8.157  | 180358 | 7984   | 0.399      | 0.018 #  |
| 33) | Chlordane... | 7.453  | 8.273  | 11011  | 114479 | 0.020      | 0.308 #  |
| 34) | Chlordane... | 0.000  | 8.940  | 0      | 194589 | N.D.       | BelowCal |
| 35) | Chlordane... | 0.000  | 0.000  | 0      | 0      | N.D.       | N.D.     |
| 36) | Toxaphene... | 7.486  | 8.548  | 7999   | 11661  | 0.465      | 0.386    |
| 37) | Toxaphene... | 7.798  | 8.871f | 10615  | 25103  | 125255.122 | 0.639 #  |
| 38) | Toxaphene... | 0.000  | 8.940  | 0      | 194589 | N.D.       | 3.077 #  |
| 39) | Toxaphene... | 8.333  | 8.999  | 110439 | 48853  | BelowCal   | BelowCal |
| 40) | Toxaphene... | 8.582f | 0.000  | 54359  | 0      | 0.973      | N.D. #   |
| 41) | Toxaphene... | 8.638  | 9.568  | 25759  | 118796 | 0.335      | 1.835 #  |
| 42) | Toxaphene... | 0.000  | 0.000  | 0      | 0      | N.D.       | N.D.     |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-08\0H04057\  
Data File : ECD8-08042028.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 4 Aug 2020 22:08  
Operator : MJB  
Sample : 0H04057-CCB3  
Misc : A20G257  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Aug 05 15:15:45 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717RT1.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



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

Sequence 0G17041 (Cal ID A0G2005) DUALECD8



## ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:           **0G17041**

Instrument:           **DUALECD8**

Date:               **07/17/20 16:38**

Calibration:           **A0G2005**

| #  | <u>Lab Number</u> | <u>Matrix</u> | <u>Analysis</u> | <u>Client</u> | <u>Due</u> | <u>Batch</u> | <u>ISTD ID</u> | <u>STD ID</u> |
|----|-------------------|---------------|-----------------|---------------|------------|--------------|----------------|---------------|
| 1  | 0G17041-BKD1      | Water         | QC              | QC            |            |              |                | A20E203       |
| 2  | 0G17041-ICB1      | Water         | QC              | QC            |            |              |                | A20F379       |
| 3  | 0G17041-CAL1      | Water         | QC              | QC            |            |              |                | A20G268       |
| 4  | 0G17041-CAL2      | Water         | QC              | QC            |            |              |                | A20G269       |
| 5  | 0G17041-CAL3      | Water         | QC              | QC            |            |              |                | A20C179       |
| 6  | 0G17041-CAL4      | Water         | QC              | QC            |            |              |                | A20C180       |
| 7  | 0G17041-CAL5      | Water         | QC              | QC            |            |              |                | A20C181       |
| 8  | 0G17041-CAL6      | Water         | QC              | QC            |            |              |                | A20C182       |
| 9  | 0G17041-CAL7      | Water         | QC              | QC            |            |              |                | A20E232       |
| 10 | 0G17041-CAL8      | Water         | QC              | QC            |            |              |                | A20E233       |
| 11 | 0G17041-CAL9      | Water         | QC              | QC            |            |              |                | A20C177       |
| 12 | 0G17041-IBL1      | Water         | QC              | QC            |            |              |                |               |
| 13 | 0G17041-ICV1      | Water         | QC              | QC            |            |              |                | A20C164       |
| 14 | 0G17041-CALA      | Water         | QC              | QC            |            |              |                | A20G270       |
| 15 | 0G17041-CALB      | Water         | QC              | QC            |            |              |                | A20C353       |
| 16 | 0G17041-CALC      | Water         | QC              | QC            |            |              |                | A20C354       |
| 17 | 0G17041-CALD      | Water         | QC              | QC            |            |              |                | A20C355       |
| 18 | 0G17041-CALE      | Water         | QC              | QC            |            |              |                | A20C356       |
| 19 | 0G17041-CALF      | Water         | QC              | QC            |            |              |                | A20C357       |
| 20 | 0G17041-CALG      | Water         | QC              | QC            |            |              |                | A20C358       |
| 21 | 0G17041-CALH      | Water         | QC              | QC            |            |              |                | A20C359       |
| 22 | 0G17041-CALI      | Water         | QC              | QC            |            |              |                | A20C352       |
| 23 | 0G17041-IBL2      | Water         | QC              | QC            |            |              |                |               |
| 24 | 0G17041-ICV2      | Water         | QC              | QC            |            |              |                | A20C360       |
| 25 | 0G17041-CALJ      | Water         | QC              | QC            |            |              |                | A20G271       |
| 26 | 0G17041-CALK      | Water         | QC              | QC            |            |              |                | A20F057       |
| 27 | 0G17041-CALL      | Water         | QC              | QC            |            |              |                | A20F058       |
| 28 | 0G17041-CALM      | Water         | QC              | QC            |            |              |                | A20F059       |
| 29 | 0G17041-CALN      | Water         | QC              | QC            |            |              |                | A20F060       |
| 30 | 0G17041-CALO      | Water         | QC              | QC            |            |              |                | A20F061       |
| 31 | 0G17041-CALP      | Water         | QC              | QC            |            |              |                | A20F056       |
| 32 | 0G17041-IBL3      | Water         | QC              | QC            |            |              |                |               |
| 33 | 0G17041-ICV3      | Water         | QC              | QC            |            |              |                | A20F062       |
| 34 | 0G17041-CALQ      | Water         | QC              | QC            |            |              |                | A20G272       |
| 35 | 0G17041-CALR      | Water         | QC              | QC            |            |              |                | A20F064       |
| 36 | 0G17041-CALS      | Water         | QC              | QC            |            |              |                | A20F065       |
| 37 | 0G17041-CALT      | Water         | QC              | QC            |            |              |                | A20F066       |
| 38 | 0G17041-CALU      | Water         | QC              | QC            |            |              |                | A20D430       |
| 39 | 0G17041-CALV      | Water         | QC              | QC            |            |              |                | A20D431       |
| 40 | 0G17041-CALW      | Water         | QC              | QC            |            |              |                | A20F063       |
| 41 | 0G17041-IBL4      | Water         | QC              | QC            |            |              |                |               |
| 42 | 0G17041-ICV4      | Water         | QC              | QC            |            |              |                | A20F067       |

Data Entered By/Date: MJB 7/21/20  
 Data Reviewed By/Date: MKZ 7/22/2020

Comments: **ICAL**

7/21/2020 11:23:58AM

Page 1 of 1

Calibration Status Report DUALECD8

A0G2005

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020  
 Response Via : Initial Calibration

MJB 7/20/20

| # | ID | Conc | ISTD<br>Conc | Path\File   |
|---|----|------|--------------|---|
| 1 | 1  | 10   | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172037.D |
| 2 | 2  | 50   | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172038.D |
| 3 | 3  | 100  | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172039.D |
| 4 | 4  | 200  | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172040.D |
| 5 | 5  | 500  | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172041.D |
| 6 | 6  | 1000 | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172042.D |
| 7 | 7  | 2000 | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172043.D |
| 8 | 8  | -1   | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172024.D |
| 9 | 9  | -1   | 0            | C:\msdchem\1\data\2020-07\0G17041\ECD8-07172025.D |

| # | ID | Update Time       | Quant Time        | Acquisition Time  |
|---|----|-------------------|-------------------|-------------------|
| 1 | 1  | Jul 20 12:55 2020 | Jul 20 12:44 2020 | 18 Jul 2020 2:57  |
| 2 | 2  | Jul 20 12:55 2020 | Jul 20 12:44 2020 | 18 Jul 2020 3:13  |
| 3 | 3  | Jul 20 12:55 2020 | Jul 20 12:45 2020 | 18 Jul 2020 3:30  |
| 4 | 4  | Jul 20 12:55 2020 | Jul 20 12:45 2020 | 18 Jul 2020 3:46  |
| 5 | 5  | Jul 20 12:55 2020 | Jul 20 12:43 2020 | 18 Jul 2020 4:03  |
| 6 | 6  | Jul 20 12:56 2020 | Jul 20 12:46 2020 | 18 Jul 2020 4:19  |
| 7 | 7  | Jul 20 12:56 2020 | Jul 20 12:47 2020 | 18 Jul 2020 4:36  |
| 8 | 8  | Jul 20 12:53 2020 | Jul 20 12:34 2020 | 17 Jul 2020 23:22 |
| 9 | 9  | Jul 20 12:53 2020 | Jul 20 12:35 2020 | 17 Jul 2020 23:38 |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:54:13 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020  
 Response Via : Initial Calibration

MJB 7/20/20

Calibration Files

1 =ECD8-07172037.D 2 =ECD8-07172038.D 3 =ECD8-07172039.D 4 =ECD8-07172040.D  
 5 =ECD8-07172041.D 6 =ECD8-07172042.D 7 =ECD8-07172043.D 8 =ECD8-07172024.D  
 9 =ECD8-07172025.D

| Compound              | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | Avg   | %RSD |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1) S TCMX (S)         | 4.120 | 3.750 | 3.460 | 3.786 | 3.766 | 3.568 | 3.672 | 3.724 | 3.746 | 3.732 | E6   | 4.83  |
| 2) a-BHC              | 4.901 | 4.624 | 4.338 | 4.985 | 4.898 | 4.932 | 5.254 | 5.102 | 5.283 | 4.924 | E6   | 6.04  |
| 3) g-BHC              | 4.601 | 4.281 | 4.043 | 4.485 | 4.337 | 4.354 | 4.547 | 4.520 | 4.640 | 4.423 | E6   | 4.26  |
| 4) b-BHC              | 2.228 | 2.133 | 1.947 | 1.937 | 1.949 | 1.910 | 1.892 | 1.958 | 1.914 | 1.985 | E6   | 5.79  |
| 5) Heptachlor         | 4.444 | 4.136 | 3.681 | 4.319 | 4.163 | 4.244 | 4.430 | 4.331 | 4.355 | 4.234 | E6   | 5.51  |
| 6) d-BHC              | 4.117 | 3.819 | 3.770 | 4.157 | 4.154 | 4.129 | 4.316 | 4.286 | 4.377 | 4.125 | E6   | 5.06  |
| 7) Aldrin             | 4.575 | 4.287 | 4.064 | 4.394 | 4.421 | 4.245 | 4.442 | 4.420 | 4.426 | 4.364 | E6   | 3.36  |
| 8) Heptachlor Exp...  | 4.456 | 4.194 | 3.894 | 4.072 | 3.997 | 3.865 | 4.101 | 3.920 | 3.945 | 4.049 | E6   | 4.60  |
| 9) trans-Chlordane    | 4.440 | 4.204 | 3.914 | 4.160 | 4.075 | 4.012 | 4.214 | 4.088 | 4.132 | 4.138 | E6   | 3.57  |
| 10) cis-Chlordane     | 4.879 | 4.350 | 3.913 | 4.006 | 3.953 | 3.853 | 4.048 | 3.918 | 3.989 | 4.101 | E6   | 7.92  |
| 11) Endosulfan I      | 4.074 | 3.845 | 3.653 | 3.746 | 3.753 | 3.553 | 3.814 | 3.732 | 3.787 | 3.773 | E6   | 3.78  |
| 12) 4,4'-DDE          | 4.130 | 3.927 | 3.662 | 4.125 | 4.095 | 4.065 | 4.222 | 4.190 | 4.378 | 4.088 | E6   | 4.92  |
| 13) Dieldrin          | 4.477 | 4.077 | 3.959 | 4.293 | 4.163 | 4.073 | 4.457 | 4.235 | 4.327 | 4.229 | E6   | 4.20  |
| 14) Endrin            | 3.116 | 3.010 | 2.626 | 3.053 | 3.088 | 2.988 | 3.084 | 3.120 | 3.129 | 3.024 | E6   | 5.20  |
| 15) 4,4'-DDD          | 3.463 | 3.227 | 3.084 | 3.271 | 3.357 | 3.259 | 3.402 | 3.426 | 3.570 | 3.340 | E6   | 4.36  |
| 16) Endosulfan II     | 3.444 | 3.220 | 3.009 | 3.190 | 3.218 | 3.127 | 3.319 | 3.250 | 3.326 | 3.234 | E6   | 3.86  |
| 17) 4,4'-DDT          | 3.313 | 2.993 | 2.457 | 2.952 | 3.094 | 3.089 | 3.357 | 3.175 | 3.380 | 3.090 | E6   | 9.17  |
| 18) Endrin Aldehyde   | 3.922 | 3.635 | 3.446 | 3.223 | 3.174 | 2.979 | 3.145 | 2.971 | 3.139 | 3.293 | E6   | 9.62  |
| 19) Endosulfan Sul... | 3.039 | 2.785 | 2.586 | 2.807 | 2.975 | 2.854 | 2.997 | 2.953 | 3.072 | 2.896 | E6   | 5.31  |
| 20) Methoxychlor      | 1.738 | 1.581 | 1.271 | 1.513 | 1.408 | 1.493 | 1.549 | 1.512 | 1.575 | 1.516 | E6   | 8.41  |
| 21) Endrin Ketone     | 2.729 | 2.405 | 1.967 | 2.090 | 2.113 | 2.240 | 2.441 | 2.335 | 2.482 | 2.311 | E6   | 10.17 |
| 22) S DCBP (S)        | 4.363 | 3.742 | 3.352 | 3.254 | 3.143 | 2.944 | 3.008 | 3.028 | 3.089 | 3.325 | E6   | 13.78 |
| 23) Hexachlorobuta... | 4.885 | 4.669 | 3.800 |       | 3.533 | 3.456 | 3.670 | 2.993 | 3.686 | 3.837 | E6   | 16.47 |
| 24) Hexachlorobenzene | 5.040 | 4.692 | 3.849 |       | 3.557 | 3.529 | 3.760 | 3.468 | 3.759 | 3.957 | E6   | 14.76 |
| 25) Oxychlorane       | 4.559 | 4.346 | 3.620 |       | 3.412 | 3.392 | 3.613 | 3.219 | 3.477 | 3.705 | E6   | 13.02 |
| 26) 2,4'-DDE          | 3.395 | 3.231 | 2.687 |       | 2.505 | 2.612 | 2.720 | 2.526 | 2.720 | 2.799 | E6   | 11.79 |
| 27) trans-Nonachlor   | 5.417 | 4.867 | 4.073 |       | 3.799 | 3.737 | 3.991 | 3.560 | 3.856 | 4.162 | E6   | 15.41 |

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020

|     |                 |       |       |       |       |       |       |       |       |       |       |    |       |
|-----|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| 28) | 2,4'-DDD        | 3.012 | 2.904 | 2.374 |       | 2.153 | 2.229 | 2.427 | 2.187 | 2.325 | 2.451 | E6 | 13.36 |
| 29) | 2,4'-DDT        | 3.069 | 3.010 | 2.399 |       | 2.195 | 2.376 | 2.601 | 2.247 | 2.506 | 2.550 | E6 | 12.89 |
| 30) | cis-Nonachlor   | 5.421 | 5.147 | 4.282 |       | 4.077 | 4.022 | 4.346 | 3.900 | 4.252 | 4.431 | E6 | 12.45 |
| 31) | Mirex           | 3.985 | 3.681 | 2.897 |       | 2.511 | 2.643 | 2.801 | 2.471 | 2.613 | 2.950 | E6 | 19.27 |
| 32) | Chlordane (1)   | 5.116 | 4.387 | 4.533 | 4.449 | 4.334 | 4.388 | 4.461 |       |       | 4.524 | E5 | 5.94  |
| 33) | Chlordane (2)   | 6.021 | 5.457 | 5.452 | 5.358 | 5.252 | 5.492 | 5.482 |       |       | 5.502 | E5 | 4.44  |
| 34) | Chlordane (3)   | 1.709 | 1.384 | 1.398 | 1.427 | 1.382 | 1.454 | 1.398 |       |       | 1.450 | E5 | 8.07  |
| 35) | Chlordane - AVE |       |       |       |       |       |       |       |       |       | 0.000 |    | -1.00 |
| 36) | Toxaphene (1)   | 1.682 | 1.712 | 1.713 | 1.715 | 1.759 | 1.709 | 1.752 |       |       | 1.720 | E4 | 1.56  |
| 37) | Toxaphene (2)   | 4.252 | 3.476 | 3.397 | 3.229 | 3.275 | 3.184 | 3.224 |       |       | 3.434 | E4 | 10.93 |
| 38) | Toxaphene (3)   | 8.083 | 7.423 | 7.344 | 7.238 | 7.471 | 7.504 | 7.680 |       |       | 7.535 | E4 | 3.69  |
| 39) | Toxaphene (4)   | 9.977 | 7.400 | 6.897 | 6.792 | 7.034 | 6.960 | 7.209 |       |       | 7.467 | E4 | 15.07 |
| 40) | Toxaphene (5)   | 5.706 | 5.390 | 5.573 | 5.370 | 5.625 | 5.536 | 5.896 |       |       | 5.585 | E4 | 3.26  |
| 41) | Toxaphene (6)   | 8.698 | 7.456 | 7.362 | 7.370 | 7.497 | 7.525 | 7.906 |       |       | 7.688 | E4 | 6.26  |
| 42) | Toxaphene - AVE |       |       |       |       |       |       |       |       |       | 0.000 |    | -1.00 |

Signal #2 Calibration Files

|   |                  |   |                  |   |                  |
|---|------------------|---|------------------|---|------------------|
| 1 | =ECD8-07172037.D | 2 | =ECD8-07172038.D | 3 | =ECD8-07172039.D |
| 4 | =ECD8-07172040.D | 5 | =ECD8-07172041.D | 6 | =ECD8-07172042.D |

|     | Compound          | 1     | 2     | 3     | 4     | 5     | 6     | Avg   | %RSD  |       |       |    |       |
|-----|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| 44) | S TCMX (S) #2     | 3.767 | 3.424 | 3.152 | 3.274 | 3.262 | 3.394 | 3.671 | 3.651 | 3.999 | 3.510 | E6 | 7.91  |
| 45) | a-BHC #2          | 4.283 | 4.050 | 3.824 | 4.383 | 4.471 | 4.650 | 5.264 | 5.250 | 5.601 | 4.642 | E6 | 13.02 |
| 46) | g-BHC #2          | 4.040 | 3.729 | 3.485 | 3.932 | 3.945 | 4.123 | 4.548 | 4.515 | 5.121 | 4.160 | E6 | 11.89 |
| 47) | b-BHC #2          | 2.200 | 2.042 | 1.793 | 1.779 | 1.736 | 1.722 | 1.866 | 1.862 | 1.965 | 1.885 | E6 | 8.38  |
| 48) | Heptachlor #2     | 4.226 | 3.872 | 3.374 | 3.873 | 3.827 | 4.061 | 4.550 | 4.452 | 4.831 | 4.118 | E6 | 10.79 |
| 49) | d-BHC #2          | 3.732 | 3.500 | 3.340 | 3.797 | 3.872 | 3.996 | 4.457 | 4.410 | 4.832 | 3.993 | E6 | 12.15 |
| 50) | Aldrin #2         | 3.886 | 3.523 | 3.347 | 3.686 | 3.748 | 3.890 | 4.162 | 4.314 | 4.649 | 3.912 | E6 | 10.37 |
| 51) | Heptachlor Exp... | 4.077 | 3.538 | 3.186 | 3.433 | 3.372 | 3.421 | 3.775 | 3.944 | 4.203 | 3.661 | E6 | 9.63  |
| 52) | trans-Chlordan... | 3.998 | 3.563 | 3.362 | 3.389 | 3.391 | 3.443 | 3.920 | 4.031 | 4.251 | 3.705 | E6 | 9.25  |
| 53) | cis-Chlordane #2  | 3.781 | 3.440 | 3.180 | 3.345 | 3.360 | 3.360 | 3.685 | 3.802 | 3.980 | 3.548 | E6 | 7.61  |
| 54) | Endosulfan I #2   | 3.395 | 3.206 | 3.005 | 3.150 | 3.054 | 3.123 | 3.441 | 3.595 | 3.842 | 3.312 | E6 | 8.40  |
| 55) | 4,4'-DDE #2       | 3.405 | 3.336 | 3.097 | 3.407 | 3.504 | 3.595 | 3.988 | 4.193 | 4.518 | 3.671 | E6 | 12.58 |
| 56) | Dieldrin #2       | 3.648 | 3.411 | 3.285 | 3.395 | 3.474 | 3.575 | 4.028 | 3.965 | 4.318 | 3.678 | E6 | 9.48  |
| 57) | Endrin #2         | 2.673 | 2.507 | 2.068 | 2.445 | 2.424 | 2.637 | 2.913 | 2.853 | 3.155 | 2.631 | E6 | 12.13 |



Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020

|       |                   |       |       |       |       |       |       |       |       |       |       |    |       |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| 58)   | 4,4'-DDD #2       | 2.928 | 2.704 | 2.724 | 2.782 | 2.875 | 2.943 | 3.405 | 3.510 | 3.688 | 3.062 | E6 | 12.09 |
| 59)   | Endosulfan II #2  | 3.118 | 2.803 | 2.690 | 2.712 | 2.716 | 2.727 | 3.129 | 3.131 | 3.378 | 2.934 | E6 | 8.73  |
| 60)   | 4,4'-DDT #2       | 2.788 | 2.566 | 2.160 | 2.535 | 2.591 | 2.885 | 3.186 | 3.247 | 3.566 | 2.836 | E6 | 15.31 |
| 61)   | Endrin Aldehyd... | 3.265 | 3.024 | 2.902 | 2.617 | 2.541 | 2.544 | 2.788 | 2.860 | 3.081 | 2.847 | E6 | 8.84  |
| 62)   | Endosulfan Sul... | 2.676 | 2.449 | 2.269 | 2.392 | 2.388 | 2.479 | 2.792 | 2.879 | 3.063 | 2.598 | E6 | 10.27 |
| 63)   | Methoxychlor #2   | 1.665 | 1.501 | 1.250 | 1.418 | 1.338 | 1.404 | 1.566 | 1.554 | 1.650 | 1.483 | E6 | 9.51  |
| 64)   | Endrin Ketone #2  | 2.043 | 1.780 | 1.622 | 1.604 | 1.702 | 1.753 | 1.951 | 2.073 | 2.282 | 1.868 | E6 | 12.41 |
| 65) S | DCBP (S) #2       | 3.044 | 2.572 | 2.385 | 2.181 | 2.078 | 2.005 | 2.208 | 2.265 | 2.426 | 2.351 | E6 | 13.34 |
| 66)   | Hexachlorobuta... | 5.222 | 4.887 | 4.046 |       | 3.672 | 3.850 | 4.220 | 3.523 | 4.650 | 4.259 | E6 | 14.24 |
| 67)   | Hexachlorobenz... | 4.712 | 4.320 | 3.483 |       | 3.214 | 3.461 | 3.766 | 3.543 | 4.093 | 3.824 | E6 | 13.30 |
| 68)   | Oxychlorane #2    | 4.143 | 3.817 | 3.083 |       | 2.836 | 3.014 | 3.247 | 3.019 | 3.561 | 3.340 | E6 | 13.67 |
| 69)   | 2,4'-DDE #2       | 3.062 | 2.814 | 2.311 |       | 2.138 | 2.283 | 2.560 | 2.491 | 2.769 | 2.553 | E6 | 12.22 |
| 70)   | trans-Nonachlo... | 4.699 | 4.255 | 3.401 |       | 3.145 | 3.295 | 3.626 | 3.466 | 3.964 | 3.731 | E6 | 14.29 |
| 71)   | 2,4'-DDD #2       | 2.709 | 2.522 | 2.067 |       | 1.897 | 2.019 | 2.207 | 2.181 | 2.452 | 2.257 | E6 | 12.34 |
| 72)   | 2,4'-DDT #2       | 2.775 | 2.602 | 2.062 |       | 1.924 | 2.107 | 2.479 | 2.177 | 2.589 | 2.340 | E6 | 13.23 |
| 73)   | cis-Nonachlor #2  | 4.675 | 4.492 | 3.581 |       | 3.370 | 3.611 | 4.106 | 3.884 | 4.283 | 4.000 | E6 | 11.68 |
| 74)   | Mirex #2          | 3.714 | 3.253 | 2.549 |       | 2.063 | 2.119 | 2.368 | 2.149 | 2.519 | 2.592 | E6 | 22.85 |
| 75)   | Chlordane (1) #2  | 4.530 | 4.047 | 4.107 | 4.238 | 4.358 | 4.693 | 4.952 |       |       | 4.418 | E5 | 7.41  |
| 76)   | Chlordane (2) #2  | 4.030 | 3.372 | 3.451 | 3.529 | 3.631 | 3.939 | 4.105 |       |       | 3.722 | E5 | 7.99  |
| 77)   | Chlordane (3) #2  | 2.118 | 1.195 | 1.178 | 1.171 | 1.147 | 1.239 | 1.277 |       |       | 1.332 | E5 | 26.25 |
| 78)   | Chlordane - AV... |       |       |       |       |       |       |       |       |       | 0.000 |    | -1.00 |
| 79)   | Toxaphene (1) #2  | 3.355 | 3.166 | 3.004 | 2.908 | 2.841 | 2.920 | 2.971 |       |       | 3.024 | E4 | 5.90  |
| 80)   | Toxaphene (2) #2  | 4.139 | 3.949 | 3.932 | 3.722 | 3.773 | 3.851 | 4.142 |       |       | 3.930 | E4 | 4.20  |
| 81)   | Toxaphene (3) #2  | 7.235 | 6.185 | 6.129 | 5.886 | 6.017 | 6.260 | 6.553 |       |       | 6.324 | E4 | 7.16  |
| 82)   | Toxaphene (4) #2  | 1.563 | 1.032 | 0.969 | 0.964 | 1.003 | 1.019 | 1.115 |       |       | 1.095 | E5 | 19.40 |
| 83)   | Toxaphene (5) #2  | 6.459 | 5.569 | 5.438 | 5.254 | 5.436 | 5.567 | 6.020 |       |       | 5.678 | E4 | 7.36  |
| 84)   | Toxaphene (6) #2  | 7.350 | 6.290 | 6.294 | 5.983 | 6.146 | 6.310 | 6.950 |       |       | 6.475 | E4 | 7.55  |
| 85)   | Toxaphene - AV... |       |       |       |       |       |       |       |       |       | 0.000 |    | -1.00 |

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 (#) = Out of Range

## Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020  
 Response Via : Initial Calibration

MJB 7/20/20

Total Cpnds : 85

| PK# | Compound Name          | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|------------------------|--------|--------|-----|-----|----|
| 1   | S TCMX (S)             | 5.391  | 1.000  | A   | H   | R  |
| 2   | a-BHC                  | 5.932  | 1.000  | A   | H   | R  |
| 3   | g-BHC                  | 6.217  | 1.000  | A   | H   | R  |
| 4   | b-BHC                  | 6.295  | 1.000  | A   | H   | R  |
| 5   | Heptachlor             | 6.625  | 1.000  | A   | H   | R  |
| 6   | d-BHC                  | 6.445  | 1.000  | A   | H   | R  |
| 7   | Aldrin                 | 6.866  | 1.000  | A   | H   | R  |
| 8   | Heptachlor Expoxide    | 7.327  | 1.000  | A   | H   | R  |
| 9   | trans-Chlordane        | 7.422  | 1.000  | A   | H   | R  |
| 10  | cis-Chlordane          | 7.518  | 1.000  | A   | H   | R  |
| 11  | Endosulfan I           | 7.616  | 1.000  | A   | H   | R  |
| 12  | 4,4'-DDE               | 7.581  | 1.000  | A   | H   | R  |
| 13  | Dieldrin               | 7.787  | 1.000  | A   | H   | R  |
| 14  | Endrin                 | 7.952  | 1.000  | A   | H   | R  |
| 15  | 4,4'-DDD               | 8.002  | 1.000  | A   | H   | R  |
| 16  | Endosulfan II          | 8.111  | 1.000  | A   | H   | R  |
| 17  | 4,4'-DDT               | 8.199  | 1.000  | A   | H   | R  |
| 18  | Endrin Aldehyde        | 8.400  | 1.000  | A   | H   | R  |
| 19  | Endosulfan Sulfate     | 8.702  | 1.000  | A   | H   | R  |
| 20  | Methoxychlor           | 8.541  | 1.000  | A   | H   | R  |
| 21  | Endrin Ketone          | 8.896  | 1.000  | A   | H   | R  |
| 22  | S DCBP (S)             | 9.594  | 1.000  | Q   | H   | R  |
| 23  | Hexachlorobutadiene    | 3.180  | 1.000  | Q   | H   | R  |
| 24  | Hexachlorobenzene      | 5.768  | 1.000  | Q   | H   | R  |
| 25  | Oxychlordane           | 7.248  | 1.000  | Q   | H   | R  |
| 26  | 2,4'-DDE               | 7.325  | 1.000  | Q   | H   | R  |
| 27  | trans-Nonachlor        | 7.504  | 1.000  | Q   | H   | R  |
| 28  | 2,4'-DDD               | 7.697  | 1.000  | Q   | H   | R  |
| 29  | 2,4'-DDT               | 7.880  | 1.000  | Q   | H   | R  |
| 30  | cis-Nonachlor          | 7.974  | 1.000  | Q   | H   | R  |
| 31  | Mirex                  | 8.641  | 1.000  | Q   | H   | R  |
| 32  | Chlordane (1)          | 7.416  | 1.000  | A   | H   | R  |
| 33  | Chlordane (2)          | 7.509  | 1.000  | A   | H   | R  |
| 34  | Chlordane (3)          | 8.056  | 1.000  | A   | H   | R  |
| 35  | Chlordane - AVE        | 0.000  | 1.000  | A   | H   | R  |
| 36  | Toxaphene (1)          | 7.489  | 1.000  | A   | H   | R  |
| 37  | Toxaphene (2)          | 7.781  | 1.000  | Q   | H   | R  |
| 38  | Toxaphene (3)          | 8.093  | 1.000  | A   | H   | R  |
| 39  | Toxaphene (4)          | 8.332  | 1.000  | Q   | H   | R  |
| 40  | Toxaphene (5)          | 8.561  | 1.000  | A   | H   | R  |
| 41  | Toxaphene (6)          | 8.629  | 1.000  | A   | H   | R  |
| 42  | Toxaphene - AVE        | 0.000  | 1.000  | A   | H   | R  |
| 43  | Signal #2              | 0.000  | 1.000  | A   | H   | R  |
| 44  | S TCMX (S) #2          | 6.079  | 1.000  | A   | H   | R  |
| 45  | a-BHC #2               | 6.684  | 1.000  | Q   | H   | R  |
| 46  | g-BHC #2               | 7.002  | 1.000  | Q   | H   | R  |
| 47  | b-BHC #2               | 7.065  | 1.000  | A   | H   | R  |
| 48  | Heptachlor #2          | 7.378  | 1.000  | Q   | H   | R  |
| 49  | d-BHC #2               | 7.321  | 1.000  | Q   | H   | R  |
| 50  | Aldrin #2              | 7.644  | 1.000  | Q   | H   | R  |
| 51  | Heptachlor Expoxide #2 | 8.082  | 1.000  | A   | H   | R  |
| 52  | trans-Chlordane #2     | 8.221  | 1.000  | A   | H   | R  |
| 53  | cis-Chlordane #2       | 8.328  | 1.000  | A   | H   | R  |
| 54  | Endosulfan I #2        | 8.380  | 1.000  | A   | H   | R  |
| 55  | 4,4'-DDE #2            | 8.430  | 1.000  | Q   | H   | R  |
| 56  | Dieldrin #2            | 8.581  | 1.000  | A   | H   | R  |

|    |                        |        |       |   |   |   |
|----|------------------------|--------|-------|---|---|---|
| 57 | Endrin #2              | 8.809  | 1.000 | Q | H | R |
| 58 | 4,4'-DDD #2            | 8.847  | 1.000 | Q | H | R |
| 59 | Endosulfan II #2       | 8.957  | 1.000 | A | H | R |
| 60 | 4,4'-DDT #2            | 9.075  | 1.000 | Q | H | R |
| 61 | Endrin Aldehyde #2     | 9.193  | 1.000 | A | H | R |
| 62 | Endosulfan Sulfate #2  | 9.383  | 1.000 | Q | H | R |
| 63 | Methoxychlor #2        | 9.555  | 1.000 | A | H | R |
| 64 | Endrin Ketone #2       | 9.787  | 1.000 | Q | H | R |
| 65 | S DCBP (S) #2          | 10.658 | 1.000 | Q | H | R |
| 66 | Hexachlorobutadiene #2 | 3.774  | 1.000 | Q | H | R |
| 67 | Hexachlorobenzene #2   | 6.542  | 1.000 | Q | H | R |
| 68 | Oxychlorane #2         | 8.005  | 1.000 | Q | H | R |
| 69 | 2,4'-DDE #2            | 8.207  | 1.000 | Q | H | R |
| 70 | trans-Nonachlor #2     | 8.280  | 1.000 | Q | H | R |
| 71 | 2,4'-DDD #2            | 8.580  | 1.000 | Q | H | R |
| 72 | 2,4'-DDT #2            | 8.806  | 1.000 | Q | H | R |
| 73 | cis-Nonachlor #2       | 8.846  | 1.000 | Q | H | R |
| 74 | Mirex #2               | 9.775  | 1.000 | Q | H | R |
| 75 | Chlordane (1) #2       | 8.215  | 1.000 | A | H | R |
| 76 | Chlordane (2) #2       | 8.322  | 1.000 | A | H | R |
| 77 | Chlordane (3) #2       | 8.986  | 1.000 | Q | H | R |
| 78 | Chlordane - AVE #2     | 0.000  | 1.000 | A | H | R |
| 79 | Toxaphene (1) #2       | 8.550  | 1.000 | A | H | R |
| 80 | Toxaphene (2) #2       | 8.898  | 1.000 | A | H | R |
| 81 | Toxaphene (3) #2       | 8.934  | 1.000 | A | H | R |
| 82 | Toxaphene (4) #2       | 9.001  | 1.000 | Q | H | R |
| 83 | Toxaphene (5) #2       | 9.177  | 1.000 | A | H | R |
| 84 | Toxaphene (6) #2       | 9.560  | 1.000 | A | H | R |
| 85 | Toxaphene - AVE #2     | 0.000  | 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\_200717.M Mon Jul 20 17:56:10 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_200717.M  
 Title : Instrument: DualECD8  
 Last Update : Mon Jul 20 12:56:10 2020  
 Response Via : Initial Calibration

MJB 7/20/20

Calibration Files

1 =ECD8-07172037 2 =ECD8-07172038 3 =ECD8-07172039 4 =ECD8-07172040 5 =ECD8-07172041  
 6 =ECD8-07172042 7 =ECD8-07172043 8 =ECD8-07172024 9 =ECD8-07172025

|       | Compound            | Fit  | Constant  | Linear    | Quad       | RSD/Cf |
|-------|---------------------|------|-----------|-----------|------------|--------|
| 1) S  | TCMX (S)            | Avg  | -----     | 3.7324 e6 | -----      | 0.0483 |
| 2)    | a-BHC               | Avg  | -----     | 4.9242 e6 | -----      | 0.0604 |
| 3)    | g-BHC               | Avg  | -----     | 4.4232 e6 | -----      | 0.0426 |
| 4)    | b-BHC               | Avg  | -----     | 1.9854 e6 | -----      | 0.0579 |
| 5)    | Heptachlor          | Avg  | -----     | 4.2338 e6 | -----      | 0.0551 |
| 6)    | d-BHC               | Avg  | -----     | 4.1250 e6 | -----      | 0.0506 |
| 7)    | Aldrin              | Avg  | -----     | 4.3638 e6 | -----      | 0.0336 |
| 8)    | Heptachlor Epoxide  | Avg  | -----     | 4.0495 e6 | -----      | 0.0460 |
| 9)    | trans-Chlordane     | Avg  | -----     | 4.1376 e6 | -----      | 0.0357 |
| 10)   | cis-Chlordane       | Avg  | -----     | 4.1011 e6 | -----      | 0.0792 |
| 11)   | Endosulfan I        | Avg  | -----     | 3.7730 e6 | -----      | 0.0378 |
| 12)   | 4,4'-DDE            | Avg  | -----     | 4.0881 e6 | -----      | 0.0492 |
| 13)   | Dieldrin            | Avg  | -----     | 4.2291 e6 | -----      | 0.0420 |
| 14)   | Endrin              | Avg  | -----     | 3.0236 e6 | -----      | 0.0520 |
| 15)   | 4,4'-DDD            | Avg  | -----     | 3.3400 e6 | -----      | 0.0436 |
| 16)   | Endosulfan II       | Avg  | -----     | 3.2337 e6 | -----      | 0.0386 |
| 17)   | 4,4'-DDT            | Avg  | -----     | 3.0899 e6 | -----      | 0.0917 |
| 18)   | Endrin Aldehyde     | Avg  | -----     | 3.2928 e6 | -----      | 0.0962 |
| 19)   | Endosulfan Sulfate  | Avg  | -----     | 2.8964 e6 | -----      | 0.0531 |
| 20)   | Methoxychlor        | Avg  | -----     | 1.5155 e6 | -----      | 0.0841 |
| 21)   | Endrin Ketone       | Avg  | -----     | 2.3115 e6 | -----      | 0.1017 |
| 22) S | DCBP (S)            | Quad | 6.8089 e5 | 3.0246 e6 | 1.6151 e2  | 0.9995 |
| 23)   | Hexachlorobutadiene | Quad | 8.0215 e5 | 3.4644 e6 | 7.7982 e1  | 0.9922 |
| 24)   | Hexachlorobenzene   | Quad | 8.1604 e5 | 3.5434 e6 | 7.9061 e2  | 0.9971 |
| 25)   | Oxychlordane        | Quad | 6.3029 e5 | 3.4167 e6 | -3.2702 e1 | 0.9968 |
| 26)   | 2,4'-DDE            | Quad | 4.6006 e5 | 2.5540 e6 | 7.0162 e2  | 0.9973 |
| 27)   | trans-Nonachlor     | Quad | 8.7741 e5 | 3.7505 e6 | 1.8202 e2  | 0.9977 |
| 28)   | 2,4'-DDD            | Quad | 4.3644 e5 | 2.2319 e6 | 3.9265 e2  | 0.9956 |
| 29)   | 2,4'-DDT            | Quad | 4.2453 e5 | 2.3156 e6 | 8.1948 e2  | 0.9932 |
| 30)   | cis-Nonachlor       | Quad | 7.4662 e5 | 4.0579 e6 | 6.2041 e2  | 0.9969 |
| 31)   | Mirex               | Quad | 7.4961 e5 | 2.6143 e6 | -1.7541 e2 | 0.9944 |
| 32)   | Chlordane (1)       | Avg  | -----     | 4.5239 e5 | -----      | 0.0594 |
| 33)   | Chlordane (2)       | Avg  | -----     | 5.5020 e5 | -----      | 0.0444 |
| 34)   | Chlordane (3)       | Avg  | -----     | 1.4504 e5 | -----      | 0.0807 |
| 35)   | Chlordane - AVE     | Avg  | -----     | -----     | -----      | 0.0000 |
| 36)   | Toxaphene (1)       | Avg  | -----     | 1.7202 e4 | -----      | 0.0156 |
| 37)   | Toxaphene (2)       | Quad | 1.0113 e5 | 3.2480 e4 | -0.2593    | 0.9998 |
| 38)   | Toxaphene (3)       | Avg  | -----     | 7.5349 e4 | -----      | 0.0369 |
| 39)   | Toxaphene (4)       | Quad | 3.3199 e5 | 6.6549 e4 | 2.8132     | 0.9998 |
| 40)   | Toxaphene (5)       | Avg  | -----     | 5.5851 e4 | -----      | 0.0326 |
| 41)   | Toxaphene (6)       | Avg  | -----     | 7.6877 e4 | -----      | 0.0626 |
| 42)   | Toxaphene - AVE     | Avg  | -----     | -----     | -----      | 0.0000 |

Signal #2

|      | Compound   | Fit  | Constant   | Linear    | Quad      | RSD/Cf |
|------|------------|------|------------|-----------|-----------|--------|
| 1) S | TCMX (S)   | Avg  | -----      | 3.5103 e6 | -----     | 0.0791 |
| 2)   | a-BHC      | Quad | -1.7955 e5 | 4.4163 e6 | 6.9265 e3 | 0.9954 |
| 3)   | g-BHC      | Quad | 4.1299 e3  | 3.8646 e6 | 6.7077 e3 | 0.9970 |
| 4)   | b-BHC      | Avg  | -----      | 1.8852 e6 | -----     | 0.0838 |
| 5)   | Heptachlor | Quad | 1.2912 e5  | 3.8069 e6 | 5.8506 e3 | 0.9952 |
| 6)   | d-BHC      | Quad | -1.2221 e5 | 3.7921 e6 | 5.8004 e3 | 0.9964 |
| 7)   | Aldrin     | Quad | 3.3523 e4  | 3.6536 e6 | 5.5691 e3 | 0.9975 |

|       |                     |      |            |           |           |        |
|-------|---------------------|------|------------|-----------|-----------|--------|
| 8)    | Heptachlor Epoxide  | Avg  | -----      | 3.6608 e6 | -----     | 0.0963 |
| 9)    | trans-Chlordane     | Avg  | -----      | 3.7054 e6 | -----     | 0.0925 |
| 10)   | cis-Chlordane       | Avg  | -----      | 3.5480 e6 | -----     | 0.0761 |
| 11)   | Endosulfan I        | Avg  | -----      | 3.3124 e6 | -----     | 0.0840 |
| 12)   | 4,4'-DDE            | Quad | -6.3398 e4 | 3.4313 e6 | 6.1175 e3 | 0.9976 |
| 13)   | Dieldrin            | Avg  | -----      | 3.6778 e6 | -----     | 0.0948 |
| 14)   | Endrin              | Quad | 8.3179 e4  | 2.4121 e6 | 4.1760 e3 | 0.9939 |
| 15)   | 4,4'-DDD            | Quad | -2.0889 e4 | 2.8572 e6 | 4.8911 e3 | 0.9968 |
| 16)   | Endosulfan II       | Avg  | -----      | 2.9338 e6 | -----     | 0.0873 |
| 17)   | 4,4'-DDT            | Quad | 4.0773 e4  | 2.5679 e6 | 5.7330 e3 | 0.9928 |
| 18)   | Endrin Aldehyde     | Avg  | -----      | 2.8468 e6 | -----     | 0.0884 |
| 19)   | Endosulfan Sulfate  | Quad | 1.1393 e5  | 2.3771 e6 | 3.9384 e3 | 0.9975 |
| 20)   | Methoxychlor        | Avg  | -----      | 1.4828 e6 | -----     | 0.0951 |
| 21)   | Endrin Ketone       | Quad | 1.7858 e5  | 1.6334 e6 | 3.6020 e3 | 0.9976 |
| 22) S | DCBP (S)            | Quad | 5.0956 e5  | 2.0481 e6 | 1.9204 e3 | 0.9991 |
| 23)   | Hexachlorobutadiene | Quad | 8.4447 e5  | 3.6853 e6 | 3.8182 e3 | 0.9927 |
| 24)   | Hexachlorobenzene   | Quad | 7.5592 e5  | 3.2832 e6 | 3.9841 e3 | 0.9964 |
| 25)   | Oxychlordane        | Quad | 6.8203 e5  | 2.8699 e6 | 3.2289 e3 | 0.9964 |
| 26)   | 2,4'-DDE            | Quad | 4.5277 e5  | 2.1993 e6 | 3.0083 e3 | 0.9968 |
| 27)   | trans-Nonachlor     | Quad | 8.0839 e5  | 3.1674 e6 | 3.9640 e3 | 0.9968 |
| 28)   | 2,4'-DDD            | Quad | 4.1246 e5  | 1.9402 e6 | 2.6178 e3 | 0.9973 |
| 29)   | 2,4'-DDT            | Quad | 4.0278 e5  | 2.0141 e6 | 2.8910 e3 | 0.9926 |
| 30)   | cis-Nonachlor       | Quad | 6.3258 e5  | 3.5090 e6 | 4.1341 e3 | 0.9949 |
| 31)   | Mirex               | Quad | 8.7141 e5  | 2.1028 e6 | 1.8222 e3 | 0.9939 |
| 32)   | Chlordane (1)       | Avg  | -----      | 4.4181 e5 | -----     | 0.0741 |
| 33)   | Chlordane (2)       | Avg  | -----      | 3.7223 e5 | -----     | 0.0799 |
| 34)   | Chlordane (3)       | Quad | 1.0452 e6  | 1.0587 e5 | 1.2032 e1 | 0.9984 |
| 35)   | Chlordane - AVE     | Avg  | -----      | -----     | -----     | 0.0000 |
| 36)   | Toxaphene (1)       | Avg  | -----      | 3.0237 e4 | -----     | 0.0590 |
| 37)   | Toxaphene (2)       | Avg  | -----      | 3.9297 e4 | -----     | 0.0420 |
| 38)   | Toxaphene (3)       | Avg  | -----      | 6.3237 e4 | -----     | 0.0716 |
| 39)   | Toxaphene (4)       | Quad | 6.4989 e5  | 9.0900 e4 | 1.0417 e1 | 0.9997 |
| 40)   | Toxaphene (5)       | Avg  | -----      | 5.6776 e4 | -----     | 0.0736 |
| 41)   | Toxaphene (6)       | Avg  | -----      | 6.4748 e4 | -----     | 0.0755 |
| 42)   | Toxaphene - AVE     | Avg  | -----      | -----     | -----     | 0.0000 |

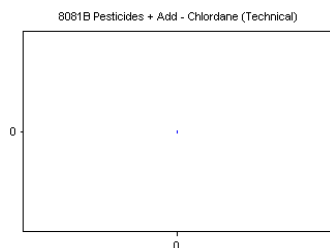
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ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:56:47 2020

### Element Calibration Review Sheet

Calibration ID: **A0G2005**Instrument: **DUALECD8**Calibration Date: **07/20/2020**Analysis: **8081B Pesticides + Add**Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

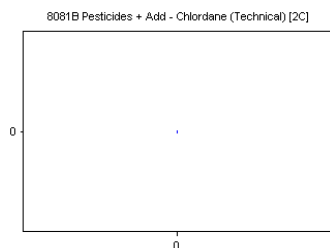
#### Chlordane (Technical)

Curve Fit: **AVERAGE RF**

| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0G17041-CALJ | 40            | 0        | 0.000           | 0.00 |
| 0G17041-CALK | 50            | 0        | 0.000           | 0.00 |
| 0G17041-CALL | 100           | 0        | 0.000           | 0.00 |
| 0G17041-CALM | 200           | 0        | 0.000           | 0.00 |
| 0G17041-CALN | 500           | 0        | 0.000           | 0.00 |
| 0G17041-CALO | 1000          | 0        | 0.000           | 0.00 |
| 0G17041-CALP | 2000          | 0        | 0.000           | 0.00 |

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

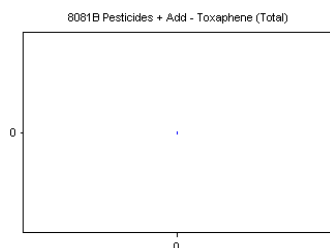
#### Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0G17041-CALJ | 40            | 0        | 0.000           | 0.00 |
| 0G17041-CALK | 50            | 0        | 0.000           | 0.00 |
| 0G17041-CALL | 100           | 0        | 0.000           | 0.00 |
| 0G17041-CALM | 200           | 0        | 0.000           | 0.00 |
| 0G17041-CALN | 500           | 0        | 0.000           | 0.00 |
| 0G17041-CALO | 1000          | 0        | 0.000           | 0.00 |
| 0G17041-CALP | 2000          | 0        | 0.000           | 0.00 |

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

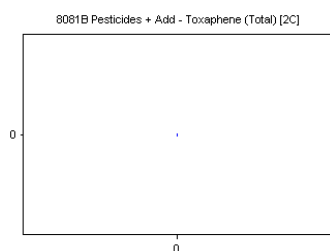
#### Toxaphene (Total)

Curve Fit: **AVERAGE RF**

| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0G17041-CALQ | 40            | 0        | 0.000           | 0.00 |
| 0G17041-CALR | 50            | 0        | 0.000           | 0.00 |
| 0G17041-CALS | 100           | 0        | 0.000           | 0.00 |
| 0G17041-CALT | 200           | 0        | 0.000           | 0.00 |
| 0G17041-CALU | 500           | 0        | 0.000           | 0.00 |
| 0G17041-CALV | 1000          | 0        | 0.000           | 0.00 |
| 0G17041-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   |
|--------------|---------------|----------|-----------------|------|
| 0G17041-CALQ | 40            | 0        | 0.000           | 0.00 |
| 0G17041-CALR | 50            | 0        | 0.000           | 0.00 |
| 0G17041-CALS | 100           | 0        | 0.000           | 0.00 |
| 0G17041-CALT | 200           | 0        | 0.000           | 0.00 |
| 0G17041-CALU | 500           | 0        | 0.000           | 0.00 |
| 0G17041-CALV | 1000          | 0        | 0.000           | 0.00 |
| 0G17041-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: **A0G2005**

Instrument: **DUALECD8**

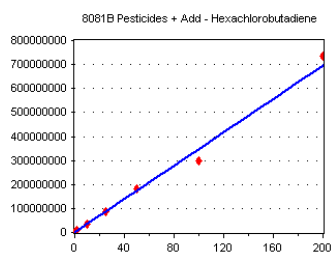
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Hexachlorobutadiene

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

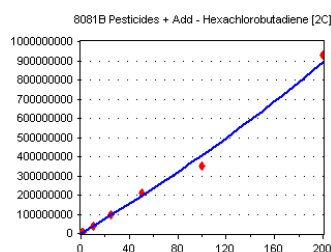


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2442623      | 4885246.000     | 3.18 |
| OG17041-CALB | 1             | 4669498      | 4669498.000     | 3.18 |
| OG17041-CALC | 2             | 7600210      | 3800105.000     | 3.18 |
| OG17041-CALE | 10            | 3.533296E+07 | 3533296.000     | 3.18 |
| OG17041-CALF | 25            | 8.639954E+07 | 3455982.000     | 3.18 |
| OG17041-CALG | 50            | 1.835218E+08 | 3670436.000     | 3.18 |
| OG17041-CALH | 100           | 2.992656E+08 | 2992656.000     | 3.18 |
| OG17041-CALI | 200           | 7.372609E+08 | 3686305.000     | 3.18 |

**AVE RF** 3836690.000 **RF RSD** 16.47 **AVE RT** 3.18

### Hexachlorobutadiene [2C]

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

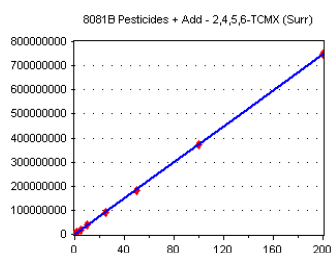


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2610849      | 5221698.000     | 3.78 |
| OG17041-CALB | 1             | 4887151      | 4887151.000     | 3.78 |
| OG17041-CALC | 2             | 8092131      | 4046066.000     | 3.78 |
| OG17041-CALE | 10            | 3.672168E+07 | 3672168.000     | 3.78 |
| OG17041-CALF | 25            | 9.624955E+07 | 3849982.000     | 3.77 |
| OG17041-CALG | 50            | 2.109849E+08 | 4219698.000     | 3.78 |
| OG17041-CALH | 100           | 3.522766E+08 | 3522766.000     | 3.78 |
| OG17041-CALI | 200           | 9.299092E+08 | 4649546.000     | 3.78 |

**AVE RF** 4258634.000 **RF RSD** 14.24 **AVE RT** 3.78

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

Curve Fit: **AVERAGE RF**

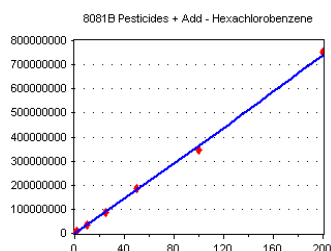


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2059810      | 4119620.000     | 5.39 |
| OG17041-CAL2 | 1             | 3749962      | 3749962.000     | 5.39 |
| OG17041-CAL3 | 2             | 6919197      | 3459599.000     | 5.39 |
| OG17041-CAL4 | 5             | 1.893109E+07 | 3786218.000     | 5.39 |
| OG17041-CAL5 | 10            | 3.766146E+07 | 3766146.000     | 5.39 |
| OG17041-CAL6 | 25            | 8.921113E+07 | 3568445.000     | 5.39 |
| OG17041-CAL7 | 50            | 1.835792E+08 | 3671584.000     | 5.39 |
| OG17041-CAL8 | 100           | 3.723971E+08 | 3723971.000     | 5.39 |
| OG17041-CAL9 | 200           | 7.492439E+08 | 3746220.000     | 5.39 |

**AVE RF** 3732418.000 **RF RSD** 4.83 **AVE RT** 5.39

### Hexachlorobenzene

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2520153      | 5040306.000     | 5.77 |
| OG17041-CALB | 1             | 4691983      | 4691983.000     | 5.77 |
| OG17041-CALC | 2             | 7697940      | 3848970.000     | 5.77 |
| OG17041-CALE | 10            | 3.556693E+07 | 3556693.000     | 5.77 |
| OG17041-CALF | 25            | 8.821553E+07 | 3528621.000     | 5.77 |
| OG17041-CALG | 50            | 1.880231E+08 | 3760462.000     | 5.77 |
| OG17041-CALH | 100           | 3.467913E+08 | 3467913.000     | 5.77 |
| OG17041-CALI | 200           | 7.517308E+08 | 3758654.000     | 5.77 |

**AVE RF** 3956700.000 **RF RSD** 14.76 **AVE RT** 5.77

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

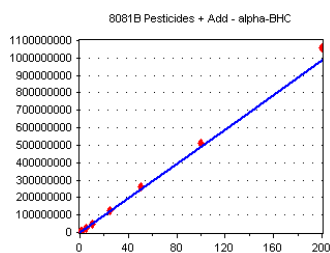
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### alpha-BHC

Curve Fit: **AVERAGE RF**

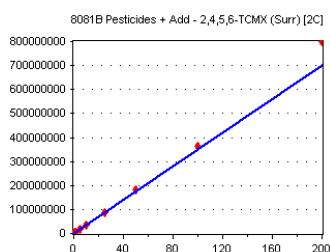


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2450601      | 4901202.000     | 5.93 |
| OG17041-CAL2 | 1             | 4624195      | 4624195.000     | 5.93 |
| OG17041-CAL3 | 2             | 8676234      | 4338117.000     | 5.93 |
| OG17041-CAL4 | 5             | 2.492716E+07 | 4985432.000     | 5.93 |
| OG17041-CAL5 | 10            | 4.897763E+07 | 4897763.000     | 5.93 |
| OG17041-CAL6 | 25            | 1.233125E+08 | 4932500.000     | 5.93 |
| OG17041-CAL7 | 50            | 2.627005E+08 | 5254010.000     | 5.93 |
| OG17041-CAL8 | 100           | 5.101694E+08 | 5101694.000     | 5.93 |
| OG17041-CAL9 | 200           | 1.056583E+09 | 5282915.000     | 5.93 |

**AVE RF** 4924203.000 **RF RSD** 6.04 **AVE RT** 5.93

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

Curve Fit: **AVERAGE RF**

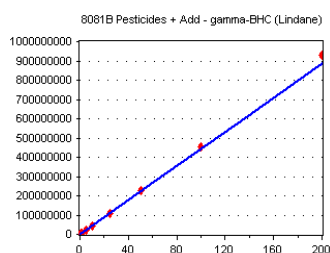


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1883297      | 3766594.000     | 6.08 |
| OG17041-CAL2 | 1             | 3424170      | 3424170.000     | 6.08 |
| OG17041-CAL3 | 2             | 6303438      | 3151719.000     | 6.08 |
| OG17041-CAL4 | 5             | 1.636894E+07 | 3273788.000     | 6.08 |
| OG17041-CAL5 | 10            | 3.26213E+07  | 3262130.000     | 6.08 |
| OG17041-CAL6 | 25            | 8.483927E+07 | 3393571.000     | 6.08 |
| OG17041-CAL7 | 50            | 1.8356E+08   | 3671200.000     | 6.08 |
| OG17041-CAL8 | 100           | 3.65057E+08  | 3650570.000     | 6.08 |
| OG17041-CAL9 | 200           | 7.998355E+08 | 3999178.000     | 6.08 |

**AVE RF** 3510324.000 **RF RSD** 7.91 **AVE RT** 6.08

### gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

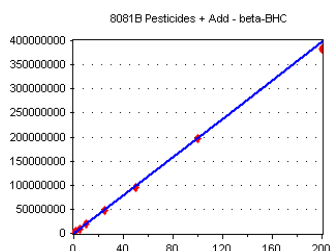


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2300594      | 4601188.000     | 6.22 |
| OG17041-CAL2 | 1             | 4281415      | 4281415.000     | 6.22 |
| OG17041-CAL3 | 2             | 8085541      | 4042771.000     | 6.22 |
| OG17041-CAL4 | 5             | 2.24253E+07  | 4485060.000     | 6.22 |
| OG17041-CAL5 | 10            | 4.337414E+07 | 4337414.000     | 6.22 |
| OG17041-CAL6 | 25            | 1.088576E+08 | 4354304.000     | 6.22 |
| OG17041-CAL7 | 50            | 2.273295E+08 | 4546590.000     | 6.22 |
| OG17041-CAL8 | 100           | 4.519714E+08 | 4519714.000     | 6.22 |
| OG17041-CAL9 | 200           | 9.280513E+08 | 4640257.000     | 6.22 |

**AVE RF** 4423190.000 **RF RSD** 4.26 **AVE RT** 6.22

### beta-BHC

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1113855      | 2227710.000     | 6.30 |
| OG17041-CAL2 | 1             | 2132830      | 2132830.000     | 6.30 |
| OG17041-CAL3 | 2             | 3893858      | 1946929.000     | 6.30 |
| OG17041-CAL4 | 5             | 9687102      | 1937420.000     | 6.30 |
| OG17041-CAL5 | 10            | 1.949252E+07 | 1949252.000     | 6.30 |
| OG17041-CAL6 | 25            | 4.775386E+07 | 1910154.000     | 6.30 |
| OG17041-CAL7 | 50            | 9.462317E+07 | 1892463.000     | 6.30 |
| OG17041-CAL8 | 100           | 1.957514E+08 | 1957514.000     | 6.29 |
| OG17041-CAL9 | 200           | 3.828488E+08 | 1914244.000     | 6.29 |

**AVE RF** 1985391.000 **RF RSD** 5.79 **AVE RT** 6.30



## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

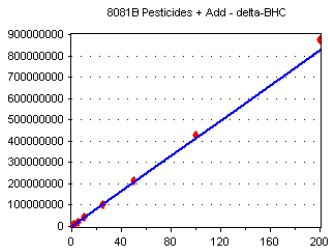
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### delta-BHC

Curve Fit: **AVERAGE RF**

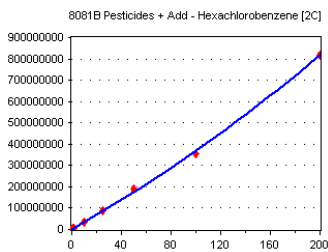


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2058451      | 4116902.000     | 6.45 |
| OG17041-CAL2 | 1             | 3818920      | 3818920.000     | 6.45 |
| OG17041-CAL3 | 2             | 7539593      | 3769797.000     | 6.45 |
| OG17041-CAL4 | 5             | 2.078287E+07 | 4156574.000     | 6.45 |
| OG17041-CAL5 | 10            | 4.154085E+07 | 4154085.000     | 6.45 |
| OG17041-CAL6 | 25            | 1.032225E+08 | 4128900.000     | 6.45 |
| OG17041-CAL7 | 50            | 2.158232E+08 | 4316464.000     | 6.45 |
| OG17041-CAL8 | 100           | 4.285656E+08 | 4285656.000     | 6.44 |
| OG17041-CAL9 | 200           | 8.754516E+08 | 4377258.000     | 6.44 |

**AVE RF** 4124951.000 **RF RSD** 5.06 **AVE RT** 6.45

### Hexachlorobenzene [2C]

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

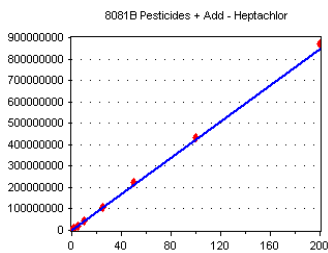


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2355809      | 4711618.000     | 6.54 |
| OG17041-CALB | 1             | 4319699      | 4319699.000     | 6.54 |
| OG17041-CALC | 2             | 6965613      | 3482807.000     | 6.54 |
| OG17041-CALE | 10            | 3.213501E+07 | 3213501.000     | 6.54 |
| OG17041-CALF | 25            | 8.651465E+07 | 3460586.000     | 6.54 |
| OG17041-CALG | 50            | 1.883107E+08 | 3766214.000     | 6.54 |
| OG17041-CALH | 100           | 3.543414E+08 | 3543414.000     | 6.54 |
| OG17041-CALI | 200           | 8.186951E+08 | 4093476.000     | 6.54 |

**AVE RF** 3823914.000 **RF RSD** 13.30 **AVE RT** 6.54

### Heptachlor

Curve Fit: **AVERAGE RF**

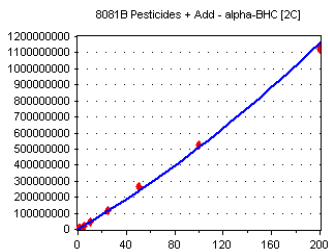


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2222149      | 4444298.000     | 6.63 |
| OG17041-CAL2 | 1             | 4135756      | 4135756.000     | 6.63 |
| OG17041-CAL3 | 2             | 7362354      | 3681177.000     | 6.63 |
| OG17041-CAL4 | 5             | 2.159675E+07 | 4319350.000     | 6.63 |
| OG17041-CAL5 | 10            | 4.162581E+07 | 4162581.000     | 6.63 |
| OG17041-CAL6 | 25            | 1.061098E+08 | 4244392.000     | 6.63 |
| OG17041-CAL7 | 50            | 2.215248E+08 | 4430496.000     | 6.63 |
| OG17041-CAL8 | 100           | 4.331253E+08 | 4331253.000     | 6.63 |
| OG17041-CAL9 | 200           | 8.710138E+08 | 4355069.000     | 6.62 |

**AVE RF** 4233819.000 **RF RSD** 5.51 **AVE RT** 6.63

### alpha-BHC [2C]

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2141378      | 4282756.000     | 6.69 |
| OG17041-CAL2 | 1             | 4050441      | 4050441.000     | 6.69 |
| OG17041-CAL3 | 2             | 7647715      | 3823858.000     | 6.69 |
| OG17041-CAL4 | 5             | 2.191708E+07 | 4383416.000     | 6.69 |
| OG17041-CAL5 | 10            | 4.471332E+07 | 4471332.000     | 6.69 |
| OG17041-CAL6 | 25            | 1.162427E+08 | 4649708.000     | 6.69 |
| OG17041-CAL7 | 50            | 2.632248E+08 | 5264496.000     | 6.69 |
| OG17041-CAL8 | 100           | 5.249579E+08 | 5249579.000     | 6.68 |
| OG17041-CAL9 | 200           | 1.120173E+09 | 5600866.000     | 6.68 |

**AVE RF** 4641828.000 **RF RSD** 13.02 **AVE RT** 6.69

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

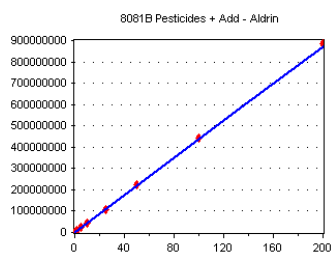
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Aldrin

Curve Fit: **AVERAGE RF**

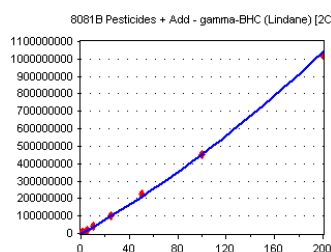


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2287325      | 4574650.000     | 6.87 |
| OG17041-CAL2 | 1             | 4287214      | 4287214.000     | 6.87 |
| OG17041-CAL3 | 2             | 8128193      | 4064097.000     | 6.87 |
| OG17041-CAL4 | 5             | 2.197009E+07 | 4394018.000     | 6.87 |
| OG17041-CAL5 | 10            | 4.421263E+07 | 4421263.000     | 6.87 |
| OG17041-CAL6 | 25            | 1.061179E+08 | 4244716.000     | 6.87 |
| OG17041-CAL7 | 50            | 2.220981E+08 | 4441962.000     | 6.87 |
| OG17041-CAL8 | 100           | 4.419901E+08 | 4419901.000     | 6.87 |
| OG17041-CAL9 | 200           | 8.852156E+08 | 4426078.000     | 6.86 |

**AVE RF** 4363767.000 **RF RSD** 3.36 **AVE RT** 6.87

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

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

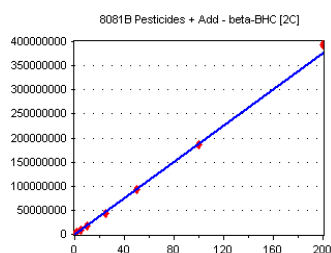


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2019752      | 4039504.000     | 7.00 |
| OG17041-CAL2 | 1             | 3728838      | 3728838.000     | 7.00 |
| OG17041-CAL3 | 2             | 6969061      | 3484531.000     | 7.01 |
| OG17041-CAL4 | 5             | 1.966212E+07 | 3932424.000     | 7.00 |
| OG17041-CAL5 | 10            | 3.945463E+07 | 3945463.000     | 7.00 |
| OG17041-CAL6 | 25            | 1.030663E+08 | 4122652.000     | 7.00 |
| OG17041-CAL7 | 50            | 2.274076E+08 | 4548152.000     | 7.00 |
| OG17041-CAL8 | 100           | 4.514572E+08 | 4514572.000     | 7.00 |
| OG17041-CAL9 | 200           | 1.024229E+09 | 5121145.000     | 7.00 |

**AVE RF** 4159698.000 **RF RSD** 11.89 **AVE RT** 7.00

### beta-BHC [2C]

Curve Fit: **AVERAGE RF**

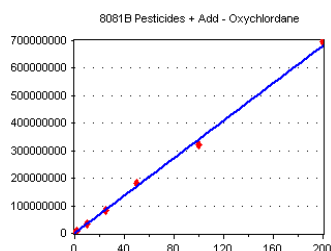


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1100105      | 2200210.000     | 7.07 |
| OG17041-CAL2 | 1             | 2041836      | 2041836.000     | 7.07 |
| OG17041-CAL3 | 2             | 3586376      | 1793188.000     | 7.07 |
| OG17041-CAL4 | 5             | 8897498      | 1779500.000     | 7.07 |
| OG17041-CAL5 | 10            | 1.735607E+07 | 1735607.000     | 7.07 |
| OG17041-CAL6 | 25            | 4.305788E+07 | 1722315.000     | 7.07 |
| OG17041-CAL7 | 50            | 9.332299E+07 | 1866460.000     | 7.07 |
| OG17041-CAL8 | 100           | 1.862453E+08 | 1862453.000     | 7.07 |
| OG17041-CAL9 | 200           | 3.930936E+08 | 1965468.000     | 7.06 |

**AVE RF** 1885226.000 **RF RSD** 8.38 **AVE RT** 7.07

### Oxychlorane

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2279406      | 4558812.000     | 7.26 |
| OG17041-CALB | 1             | 4346224      | 4346224.000     | 7.26 |
| OG17041-CALC | 2             | 7240444      | 3620222.000     | 7.26 |
| OG17041-CALE | 10            | 3.411778E+07 | 3411778.000     | 7.25 |
| OG17041-CALF | 25            | 8.478823E+07 | 3391529.000     | 7.25 |
| OG17041-CALG | 50            | 1.806319E+08 | 3612638.000     | 7.25 |
| OG17041-CALH | 100           | 3.218642E+08 | 3218642.000     | 7.25 |
| OG17041-CALI | 200           | 6.954044E+08 | 3477022.000     | 7.25 |

**AVE RF** 3704608.000 **RF RSD** 13.02 **AVE RT** 7.25

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

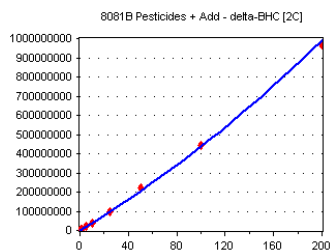
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### delta-BHC [2C]

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

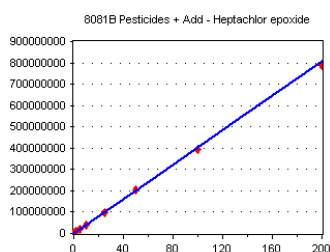


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1866164      | 3732328.000     | 7.32 |
| OG17041-CAL2 | 1             | 3499685      | 3499685.000     | 7.32 |
| OG17041-CAL3 | 2             | 6680796      | 3340398.000     | 7.32 |
| OG17041-CAL4 | 5             | 1.898698E+07 | 3797396.000     | 7.32 |
| OG17041-CAL5 | 10            | 3.871806E+07 | 3871806.000     | 7.32 |
| OG17041-CAL6 | 25            | 9.990544E+07 | 3996218.000     | 7.32 |
| OG17041-CAL7 | 50            | 2.228662E+08 | 4457324.000     | 7.32 |
| OG17041-CAL8 | 100           | 4.409992E+08 | 4409992.000     | 7.32 |
| OG17041-CAL9 | 200           | 9.66454E+08  | 4832270.000     | 7.32 |

**AVE RF** 3993046.000 **RF RSD** 12.15 **AVE RT** 7.32

### Heptachlor epoxide

Curve Fit: **AVERAGE RF**

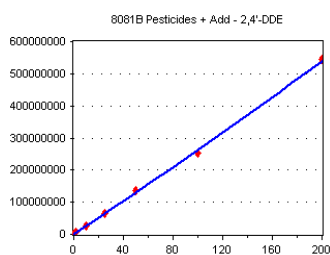


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2227813      | 4455626.000     | 7.33 |
| OG17041-CAL2 | 1             | 4194494      | 4194494.000     | 7.33 |
| OG17041-CAL3 | 2             | 7788065      | 3894033.000     | 7.33 |
| OG17041-CAL4 | 5             | 2.035841E+07 | 4071682.000     | 7.33 |
| OG17041-CAL5 | 10            | 3.997372E+07 | 3997372.000     | 7.33 |
| OG17041-CAL6 | 25            | 9.663315E+07 | 3865326.000     | 7.33 |
| OG17041-CAL7 | 50            | 2.050739E+08 | 4101478.000     | 7.33 |
| OG17041-CAL8 | 100           | 3.920158E+08 | 3920158.000     | 7.33 |
| OG17041-CAL9 | 200           | 7.890219E+08 | 3945110.000     | 7.32 |

**AVE RF** 4049475.000 **RF RSD** 4.60 **AVE RT** 7.33

### 2,4'-DDE

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

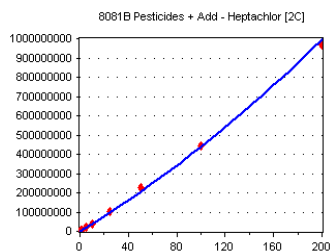


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1697469      | 3394938.000     | 7.33 |
| OG17041-CALB | 1             | 3231037      | 3231037.000     | 7.33 |
| OG17041-CALC | 2             | 5373567      | 2686784.000     | 7.33 |
| OG17041-CALE | 10            | 2.504734E+07 | 2504734.000     | 7.33 |
| OG17041-CALF | 25            | 6.528934E+07 | 2611574.000     | 7.33 |
| OG17041-CALG | 50            | 1.360157E+08 | 2720314.000     | 7.33 |
| OG17041-CALH | 100           | 2.525966E+08 | 2525966.000     | 7.33 |
| OG17041-CALI | 200           | 5.440102E+08 | 2720051.000     | 7.33 |

**AVE RF** 2799425.000 **RF RSD** 11.79 **AVE RT** 7.33

### Heptachlor [2C]

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2112772      | 4225544.000     | 7.38 |
| OG17041-CAL2 | 1             | 3871749      | 3871749.000     | 7.38 |
| OG17041-CAL3 | 2             | 6747350      | 3373675.000     | 7.38 |
| OG17041-CAL4 | 5             | 1.936439E+07 | 3872878.000     | 7.38 |
| OG17041-CAL5 | 10            | 3.827259E+07 | 3827259.000     | 7.38 |
| OG17041-CAL6 | 25            | 1.015269E+08 | 4061076.000     | 7.38 |
| OG17041-CAL7 | 50            | 2.274877E+08 | 4549754.000     | 7.38 |
| OG17041-CAL8 | 100           | 4.452021E+08 | 4452021.000     | 7.38 |
| OG17041-CAL9 | 200           | 9.661757E+08 | 4830879.000     | 7.38 |

**AVE RF** 4118315.000 **RF RSD** 10.79 **AVE RT** 7.38

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

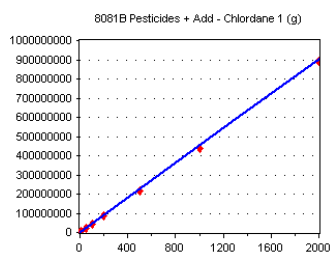
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

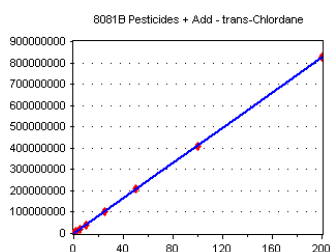


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 5115943      | 511594.300      | 7.42 |
| OG17041-CALK | 50            | 2.193323E+07 | 438664.600      | 7.42 |
| OG17041-CALL | 100           | 4.533478E+07 | 453347.800      | 7.42 |
| OG17041-CALM | 200           | 8.898434E+07 | 444921.700      | 7.42 |
| OG17041-CALN | 500           | 2.16677E+08  | 433354.000      | 7.42 |
| OG17041-CALO | 1000          | 4.387869E+08 | 438786.900      | 7.42 |
| OG17041-CALP | 2000          | 8.921446E+08 | 446072.300      | 7.41 |

**AVE RF** 452391.700 **RF RSD** 5.94 **AVE RT** 7.42

### trans-Chlordane

Curve Fit: **AVERAGE RF**

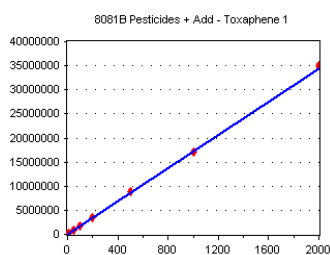


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2220216      | 4440432.000     | 7.43 |
| OG17041-CAL2 | 1             | 4203847      | 4203847.000     | 7.42 |
| OG17041-CAL3 | 2             | 7827529      | 3913765.000     | 7.42 |
| OG17041-CAL4 | 5             | 2.080059E+07 | 4160118.000     | 7.42 |
| OG17041-CAL5 | 10            | 4.075174E+07 | 4075174.000     | 7.42 |
| OG17041-CAL6 | 25            | 1.002928E+08 | 4011712.000     | 7.42 |
| OG17041-CAL7 | 50            | 2.106842E+08 | 4213684.000     | 7.42 |
| OG17041-CAL8 | 100           | 4.087699E+08 | 4087699.000     | 7.42 |
| OG17041-CAL9 | 200           | 8.263369E+08 | 4131685.000     | 7.42 |

**AVE RF** 4137568.000 **RF RSD** 3.57 **AVE RT** 7.42

### Toxaphene 1

Curve Fit: **AVERAGE RF**

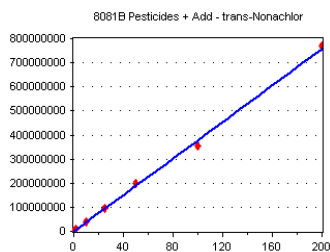


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 168184       | 16818.400       | 7.49 |
| OG17041-CALR | 50            | 855942       | 17118.840       | 7.49 |
| OG17041-CALS | 100           | 1712669      | 17126.690       | 7.49 |
| OG17041-CALT | 200           | 3430159      | 17150.790       | 7.49 |
| OG17041-CALU | 500           | 8796735      | 17593.470       | 7.49 |
| OG17041-CALV | 1000          | 1.708646E+07 | 17086.460       | 7.49 |
| OG17041-CALW | 2000          | 3.503818E+07 | 17519.090       | 7.49 |

**AVE RF** 17201.960 **RF RSD** 1.56 **AVE RT** 7.49

### trans-Nonachlor

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2708442      | 5416884.000     | 7.51 |
| OG17041-CALB | 1             | 4867111      | 4867111.000     | 7.51 |
| OG17041-CALC | 2             | 8145922      | 4072961.000     | 7.51 |
| OG17041-CALE | 10            | 3.799201E+07 | 3799201.000     | 7.51 |
| OG17041-CALF | 25            | 9.342E+07    | 3736800.000     | 7.51 |
| OG17041-CALG | 50            | 1.995276E+08 | 3990552.000     | 7.51 |
| OG17041-CALH | 100           | 3.559772E+08 | 3559772.000     | 7.51 |
| OG17041-CALI | 200           | 7.711263E+08 | 3855631.000     | 7.50 |

**AVE RF** 4162364.000 **RF RSD** 15.41 **AVE RT** 7.51

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

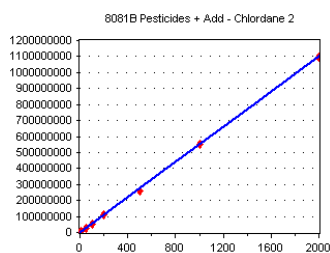
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Chlordane 2

Curve Fit: **AVERAGE RF**

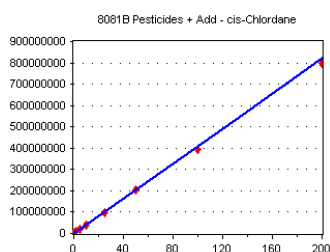


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 6021217      | 602121.700      | 7.51 |
| OG17041-CALK | 50            | 2.728727E+07 | 545745.400      | 7.51 |
| OG17041-CALL | 100           | 5.45154E+07  | 545154.000      | 7.51 |
| OG17041-CALM | 200           | 1.071642E+08 | 535821.000      | 7.51 |
| OG17041-CALN | 500           | 2.625772E+08 | 525154.400      | 7.51 |
| OG17041-CALO | 1000          | 5.492171E+08 | 549217.100      | 7.51 |
| OG17041-CALP | 2000          | 1.096391E+09 | 548195.500      | 7.51 |

**AVE RF** 550201.300 **RF RSD** 4.44 **AVE RT** 7.51

### cis-Chlordane

Curve Fit: **AVERAGE RF**

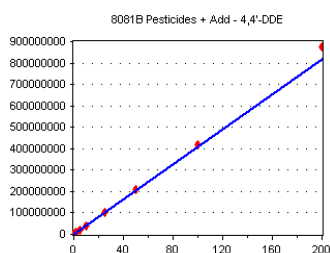


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2439640      | 4879280.000     | 7.52 |
| OG17041-CAL2 | 1             | 4349971      | 4349971.000     | 7.52 |
| OG17041-CAL3 | 2             | 7826014      | 3913007.000     | 7.52 |
| OG17041-CAL4 | 5             | 2.003238E+07 | 4006476.000     | 7.52 |
| OG17041-CAL5 | 10            | 3.953175E+07 | 3953175.000     | 7.52 |
| OG17041-CAL6 | 25            | 9.631571E+07 | 3852629.000     | 7.52 |
| OG17041-CAL7 | 50            | 2.023816E+08 | 4047632.000     | 7.52 |
| OG17041-CAL8 | 100           | 3.918293E+08 | 3918293.000     | 7.52 |
| OG17041-CAL9 | 200           | 7.97833E+08  | 3989165.000     | 7.52 |

**AVE RF** 4101070.000 **RF RSD** 7.92 **AVE RT** 7.52

### 4,4'-DDE

Curve Fit: **AVERAGE RF**

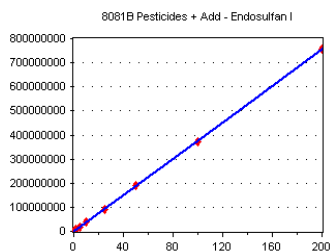


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2065125      | 4130250.000     | 7.58 |
| OG17041-CAL2 | 1             | 3926902      | 3926902.000     | 7.58 |
| OG17041-CAL3 | 2             | 7323605      | 3661803.000     | 7.58 |
| OG17041-CAL4 | 5             | 2.062486E+07 | 4124972.000     | 7.58 |
| OG17041-CAL5 | 10            | 4.094501E+07 | 4094501.000     | 7.58 |
| OG17041-CAL6 | 25            | 1.016359E+08 | 4065436.000     | 7.58 |
| OG17041-CAL7 | 50            | 2.110816E+08 | 4221632.000     | 7.58 |
| OG17041-CAL8 | 100           | 4.189684E+08 | 4189684.000     | 7.58 |
| OG17041-CAL9 | 200           | 8.756063E+08 | 4378032.000     | 7.58 |

**AVE RF** 4088135.000 **RF RSD** 4.92 **AVE RT** 7.58

### Endosulfan I

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2036980      | 4073960.000     | 7.62 |
| OG17041-CAL2 | 1             | 3844786      | 3844786.000     | 7.62 |
| OG17041-CAL3 | 2             | 7306381      | 3653191.000     | 7.62 |
| OG17041-CAL4 | 5             | 1.872789E+07 | 3745578.000     | 7.62 |
| OG17041-CAL5 | 10            | 3.753404E+07 | 3753404.000     | 7.62 |
| OG17041-CAL6 | 25            | 8.882838E+07 | 3553135.000     | 7.62 |
| OG17041-CAL7 | 50            | 1.906874E+08 | 3813748.000     | 7.62 |
| OG17041-CAL8 | 100           | 3.732245E+08 | 3732245.000     | 7.61 |
| OG17041-CAL9 | 200           | 7.57395E+08  | 3786975.000     | 7.61 |

**AVE RF** 3773002.000 **RF RSD** 3.78 **AVE RT** 7.62

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

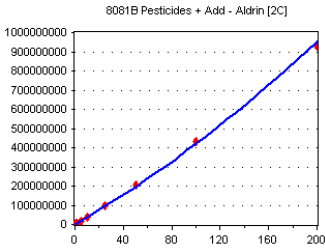
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Aldrin [2C]

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

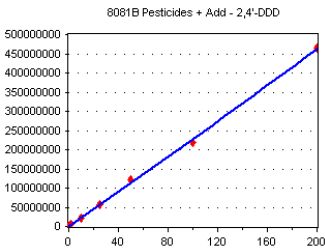


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1943000      | 3886000.000     | 7.65 |
| OG17041-CAL2 | 1             | 3522992      | 3522992.000     | 7.65 |
| OG17041-CAL3 | 2             | 6693503      | 3346752.000     | 7.65 |
| OG17041-CAL4 | 5             | 1.843062E+07 | 3686124.000     | 7.64 |
| OG17041-CAL5 | 10            | 3.747691E+07 | 3747691.000     | 7.64 |
| OG17041-CAL6 | 25            | 9.723854E+07 | 3889542.000     | 7.64 |
| OG17041-CAL7 | 50            | 2.080883E+08 | 4161766.000     | 7.64 |
| OG17041-CAL8 | 100           | 4.313923E+08 | 4313923.000     | 7.64 |
| OG17041-CAL9 | 200           | 9.297929E+08 | 4648965.000     | 7.64 |

**AVE RF** 3911528.000 **RF RSD** 10.37 **AVE RT** 7.64

### 2,4'-DDD

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

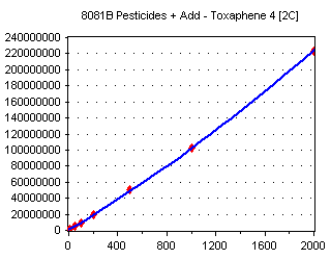


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1506066      | 3012132.000     | 7.70 |
| OG17041-CALB | 1             | 2904094      | 2904094.000     | 7.70 |
| OG17041-CALC | 2             | 4748095      | 2374048.000     | 7.70 |
| OG17041-CALE | 10            | 2.152955E+07 | 2152955.000     | 7.70 |
| OG17041-CALF | 25            | 5.57214E+07  | 2228856.000     | 7.70 |
| OG17041-CALG | 50            | 1.213638E+08 | 2427276.000     | 7.70 |
| OG17041-CALH | 100           | 2.187126E+08 | 2187126.000     | 7.70 |
| OG17041-CALI | 200           | 4.649884E+08 | 2324942.000     | 7.70 |

**AVE RF** 2451429.000 **RF RSD** 13.36 **AVE RT** 7.70

### Toxaphene 4 [2C]

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

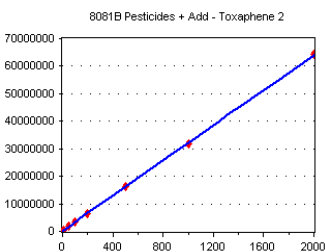


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 1563268      | 156326.800      | 0.00 |
| OG17041-CALR | 50            | 5159111      | 103182.200      | 9.00 |
| OG17041-CALS | 100           | 9694013      | 96940.130       | 9.00 |
| OG17041-CALT | 200           | 1.928455E+07 | 96422.750       | 9.00 |
| OG17041-CALU | 500           | 5.016153E+07 | 100323.100      | 9.00 |
| OG17041-CALV | 1000          | 1.018501E+08 | 101850.100      | 9.00 |
| OG17041-CALW | 2000          | 2.229468E+08 | 111473.400      | 9.00 |

**AVE RF** 109502.600 **RF RSD** 19.40 **AVE RT** 7.72

### Toxaphene 2

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 425175       | 42517.500       | 7.78 |
| OG17041-CALR | 50            | 1738004      | 34760.080       | 7.78 |
| OG17041-CALS | 100           | 3397116      | 33971.160       | 7.78 |
| OG17041-CALT | 200           | 6458181      | 32290.900       | 7.78 |
| OG17041-CALU | 500           | 1.637489E+07 | 32749.780       | 7.78 |
| OG17041-CALV | 1000          | 3.183997E+07 | 31839.970       | 7.78 |
| OG17041-CALW | 2000          | 6.447252E+07 | 32236.260       | 7.78 |

**AVE RF** 34337.950 **RF RSD** 10.93 **AVE RT** 7.78

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

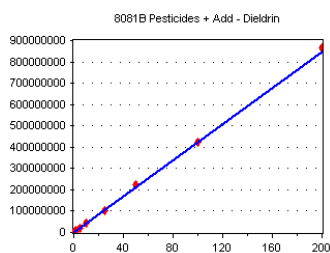
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Dieldrin

Curve Fit: **AVERAGE RF**

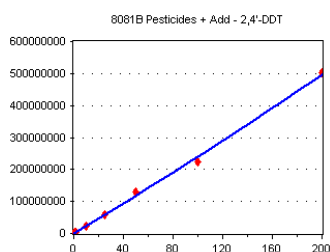


| Standard     | Concentration | Response     | Factor      | RT   |
|--------------|---------------|--------------|-------------|------|
| OG17041-CAL1 | 0.5           | 2238734      | 4477468.000 | 7.79 |
| OG17041-CAL2 | 1             | 4076655      | 4076655.000 | 7.79 |
| OG17041-CAL3 | 2             | 7917841      | 3958921.000 | 7.79 |
| OG17041-CAL4 | 5             | 2.146698E+07 | 4293396.000 | 7.79 |
| OG17041-CAL5 | 10            | 4.162963E+07 | 4162963.000 | 7.79 |
| OG17041-CAL6 | 25            | 1.01828E+08  | 4073120.000 | 7.79 |
| OG17041-CAL7 | 50            | 2.228413E+08 | 4456826.000 | 7.79 |
| OG17041-CAL8 | 100           | 4.234911E+08 | 4234911.000 | 7.79 |
| OG17041-CAL9 | 200           | 8.654676E+08 | 4327338.000 | 7.79 |

**AVE RF** 4229066.000 **RF RSD** 4.20 **AVE RT** 7.79

### 2,4'-DDT

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

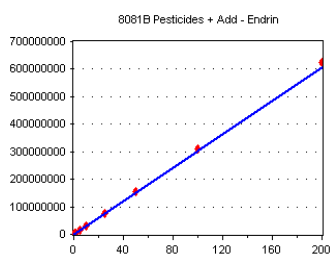


| Standard     | Concentration | Response     | Factor      | RT   |
|--------------|---------------|--------------|-------------|------|
| OG17041-CALA | 0.5           | 1534728      | 3069456.000 | 7.89 |
| OG17041-CALB | 1             | 3010061      | 3010061.000 | 7.89 |
| OG17041-CALC | 2             | 4798715      | 2399358.000 | 7.89 |
| OG17041-CALE | 10            | 2.19496E+07  | 2194960.000 | 7.88 |
| OG17041-CALF | 25            | 5.939049E+07 | 2375620.000 | 7.88 |
| OG17041-CALG | 50            | 1.300343E+08 | 2600686.000 | 7.88 |
| OG17041-CALH | 100           | 2.246783E+08 | 2246783.000 | 7.88 |
| OG17041-CALI | 200           | 5.012161E+08 | 2506081.000 | 7.88 |

**AVE RF** 2550375.000 **RF RSD** 12.89 **AVE RT** 7.88

### Endrin

Curve Fit: **AVERAGE RF**

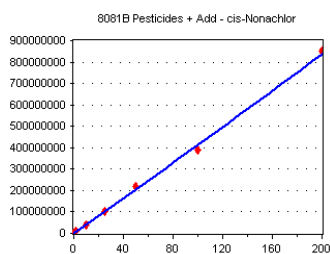


| Standard     | Concentration | Response     | Factor      | RT   |
|--------------|---------------|--------------|-------------|------|
| OG17041-CAL1 | 0.5           | 1557812      | 3115624.000 | 7.96 |
| OG17041-CAL2 | 1             | 3009843      | 3009843.000 | 7.96 |
| OG17041-CAL3 | 2             | 5251034      | 2625517.000 | 7.96 |
| OG17041-CAL4 | 5             | 1.52638E+07  | 3052760.000 | 7.96 |
| OG17041-CAL5 | 10            | 3.087615E+07 | 3087615.000 | 7.95 |
| OG17041-CAL6 | 25            | 7.470544E+07 | 2988218.000 | 7.95 |
| OG17041-CAL7 | 50            | 1.541935E+08 | 3083870.000 | 7.95 |
| OG17041-CAL8 | 100           | 3.120244E+08 | 3120244.000 | 7.95 |
| OG17041-CAL9 | 200           | 6.258257E+08 | 3129129.000 | 7.95 |

**AVE RF** 3023647.000 **RF RSD** 5.20 **AVE RT** 7.95

### cis-Nonachlor

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



| Standard     | Concentration | Response     | Factor      | RT   |
|--------------|---------------|--------------|-------------|------|
| OG17041-CALA | 0.5           | 2710672      | 5421344.000 | 7.98 |
| OG17041-CALB | 1             | 5147187      | 5147187.000 | 7.98 |
| OG17041-CALC | 2             | 8564156      | 4282078.000 | 7.98 |
| OG17041-CALE | 10            | 4.077357E+07 | 4077357.000 | 7.98 |
| OG17041-CALF | 25            | 1.005497E+08 | 4021988.000 | 7.98 |
| OG17041-CALG | 50            | 2.173027E+08 | 4346054.000 | 7.98 |
| OG17041-CALH | 100           | 3.900206E+08 | 3900206.000 | 7.98 |
| OG17041-CALI | 200           | 8.504409E+08 | 4252205.000 | 7.98 |

**AVE RF** 4431052.000 **RF RSD** 12.45 **AVE RT** 7.98

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

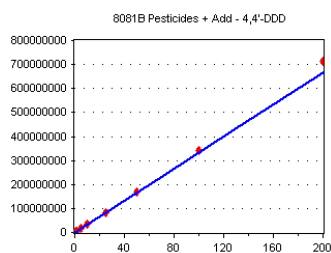
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### 4,4'-DDD

Curve Fit: **AVERAGE RF**

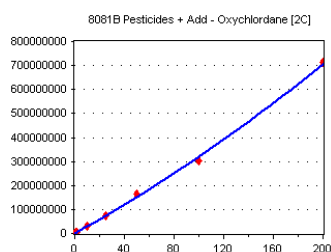


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1731427      | 3462854.000     | 8.01 |
| OG17041-CAL2 | 1             | 3227439      | 3227439.000     | 8.00 |
| OG17041-CAL3 | 2             | 6167478      | 3083739.000     | 8.00 |
| OG17041-CAL4 | 5             | 1.635583E+07 | 3271166.000     | 8.00 |
| OG17041-CAL5 | 10            | 3.356588E+07 | 3356588.000     | 8.00 |
| OG17041-CAL6 | 25            | 8.147943E+07 | 3259177.000     | 8.00 |
| OG17041-CAL7 | 50            | 1.701168E+08 | 3402336.000     | 8.00 |
| OG17041-CAL8 | 100           | 3.426073E+08 | 3426073.000     | 8.00 |
| OG17041-CAL9 | 200           | 7.140369E+08 | 3570185.000     | 8.00 |

**AVE RF 3339951.000 RF RSD 4.36 AVE RT 8.00**

### Oxychlorane [2C]

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

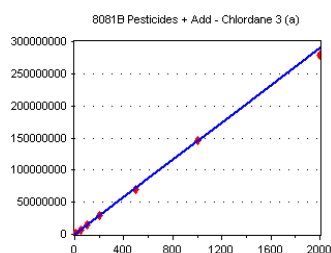


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2071594      | 4143188.000     | 8.01 |
| OG17041-CALB | 1             | 3816786      | 3816786.000     | 8.01 |
| OG17041-CALC | 2             | 6165205      | 3082603.000     | 8.01 |
| OG17041-CALE | 10            | 2.835892E+07 | 2835892.000     | 8.01 |
| OG17041-CALF | 25            | 7.534904E+07 | 3013962.000     | 8.01 |
| OG17041-CALG | 50            | 1.623497E+08 | 3246994.000     | 8.01 |
| OG17041-CALH | 100           | 3.019234E+08 | 3019234.000     | 8.01 |
| OG17041-CALI | 200           | 7.122413E+08 | 3561207.000     | 8.01 |

**AVE RF 3339983.000 RF RSD 13.67 AVE RT 8.01**

### Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

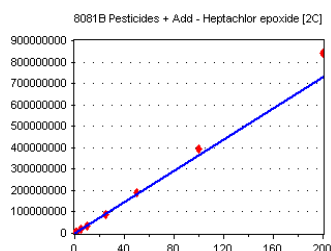


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 1709262      | 170926.200      | 8.06 |
| OG17041-CALK | 50            | 6922066      | 138441.300      | 8.06 |
| OG17041-CALL | 100           | 1.39777E+07  | 139777.000      | 8.06 |
| OG17041-CALM | 200           | 2.854694E+07 | 142734.700      | 8.06 |
| OG17041-CALN | 500           | 6.90897E+07  | 138179.400      | 8.06 |
| OG17041-CALO | 1000          | 1.45425E+08  | 145425.000      | 8.06 |
| OG17041-CALP | 2000          | 2.795564E+08 | 139778.200      | 8.06 |

**AVE RF 145037.400 RF RSD 8.07 AVE RT 8.06**

### Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2038283      | 4076566.000     | 8.08 |
| OG17041-CAL2 | 1             | 3537621      | 3537621.000     | 8.08 |
| OG17041-CAL3 | 2             | 6371510      | 3185755.000     | 8.08 |
| OG17041-CAL4 | 5             | 1.716362E+07 | 3432724.000     | 8.08 |
| OG17041-CAL5 | 10            | 3.372099E+07 | 3372099.000     | 8.08 |
| OG17041-CAL6 | 25            | 8.551709E+07 | 3420684.000     | 8.08 |
| OG17041-CAL7 | 50            | 1.887457E+08 | 3774914.000     | 8.08 |
| OG17041-CAL8 | 100           | 3.944076E+08 | 3944076.000     | 8.08 |
| OG17041-CAL9 | 200           | 8.405274E+08 | 4202637.000     | 8.08 |

**AVE RF 3660786.000 RF RSD 9.63 AVE RT 8.08**



## Element Calibration Review Sheet

Calibration ID: **AOG2005**

Instrument: **DUALECD8**

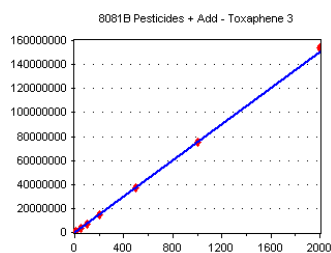
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Toxaphene 3

Curve Fit: **AVERAGE RF**

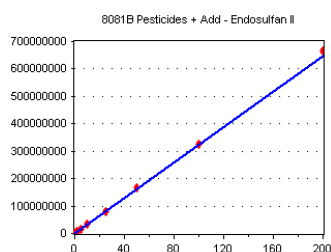


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 808329       | 80832.900       | 8.09 |
| OG17041-CALR | 50            | 3711254      | 74225.080       | 8.09 |
| OG17041-CALS | 100           | 7343945      | 73439.450       | 8.09 |
| OG17041-CALT | 200           | 1.44769E+07  | 72384.500       | 8.09 |
| OG17041-CALU | 500           | 3.735685E+07 | 74713.700       | 8.09 |
| OG17041-CALV | 1000          | 7.504475E+07 | 75044.750       | 8.09 |
| OG17041-CALW | 2000          | 1.536024E+08 | 76801.200       | 8.09 |

**AVE RF** 75348.800    **RF RSD** 3.69    **AVE RT** 8.09

### Endosulfan II

Curve Fit: **AVERAGE RF**

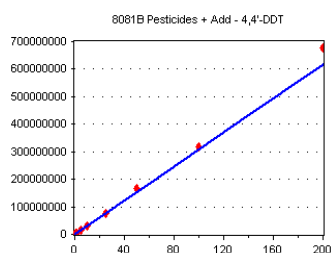


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1722193      | 3444386.000     | 8.12 |
| OG17041-CAL2 | 1             | 3220135      | 3220135.000     | 8.12 |
| OG17041-CAL3 | 2             | 6017590      | 3008795.000     | 8.12 |
| OG17041-CAL4 | 5             | 1.595231E+07 | 3190462.000     | 8.12 |
| OG17041-CAL5 | 10            | 3.218172E+07 | 3218172.000     | 8.11 |
| OG17041-CAL6 | 25            | 7.81807E+07  | 3127228.000     | 8.11 |
| OG17041-CAL7 | 50            | 1.659302E+08 | 3318604.000     | 8.11 |
| OG17041-CAL8 | 100           | 3.249503E+08 | 3249503.000     | 8.11 |
| OG17041-CAL9 | 200           | 6.652398E+08 | 3326199.000     | 8.11 |

**AVE RF** 3233720.000    **RF RSD** 3.86    **AVE RT** 8.11

### 4,4'-DDT

Curve Fit: **AVERAGE RF**

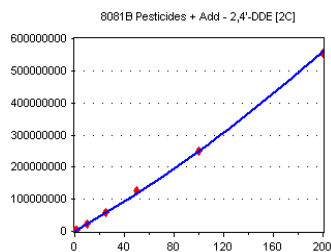


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1656264      | 3312528.000     | 8.20 |
| OG17041-CAL2 | 1             | 2992885      | 2992885.000     | 8.20 |
| OG17041-CAL3 | 2             | 4913313      | 2456657.000     | 8.20 |
| OG17041-CAL4 | 5             | 1.475894E+07 | 2951788.000     | 8.20 |
| OG17041-CAL5 | 10            | 3.094088E+07 | 3094088.000     | 8.20 |
| OG17041-CAL6 | 25            | 7.723442E+07 | 3089377.000     | 8.20 |
| OG17041-CAL7 | 50            | 1.678445E+08 | 3356890.000     | 8.20 |
| OG17041-CAL8 | 100           | 3.175497E+08 | 3175497.000     | 8.20 |
| OG17041-CAL9 | 200           | 6.759237E+08 | 3379619.000     | 8.20 |

**AVE RF** 3089925.000    **RF RSD** 9.17    **AVE RT** 8.20

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

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1531133      | 3062266.000     | 8.21 |
| OG17041-CALB | 1             | 2813710      | 2813710.000     | 8.21 |
| OG17041-CALC | 2             | 4622970      | 2311485.000     | 8.21 |
| OG17041-CALE | 10            | 2.137816E+07 | 2137816.000     | 8.21 |
| OG17041-CALF | 25            | 5.706652E+07 | 2282661.000     | 8.21 |
| OG17041-CALG | 50            | 1.279959E+08 | 2559918.000     | 8.21 |
| OG17041-CALH | 100           | 2.490613E+08 | 2490613.000     | 8.21 |
| OG17041-CALI | 200           | 5.537113E+08 | 2768557.000     | 8.21 |

**AVE RF** 2553378.000    **RF RSD** 12.22    **AVE RT** 8.21

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

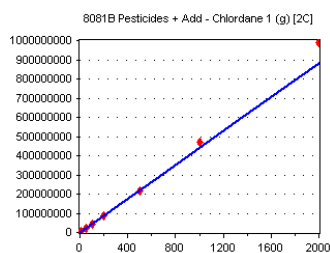
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

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

Curve Fit: **AVERAGE RF**

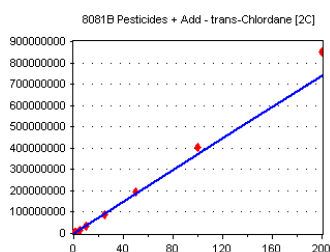


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 4529535      | 452953.500      | 8.22 |
| OG17041-CALK | 50            | 2.023664E+07 | 404732.800      | 8.22 |
| OG17041-CALL | 100           | 4.107347E+07 | 410734.700      | 8.22 |
| OG17041-CALM | 200           | 8.476404E+07 | 423820.200      | 8.22 |
| OG17041-CALN | 500           | 2.179246E+08 | 435849.200      | 8.22 |
| OG17041-CALO | 1000          | 4.693387E+08 | 469338.700      | 8.22 |
| OG17041-CALP | 2000          | 9.904589E+08 | 495229.400      | 8.21 |

**AVE RF** 441808.400 **RF RSD** 7.41 **AVE RT** 8.22

### trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

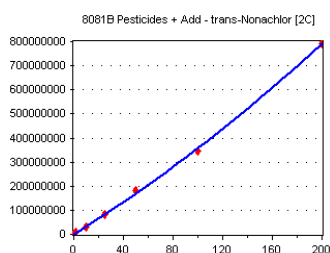


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1998781      | 3997562.000     | 8.22 |
| OG17041-CAL2 | 1             | 3562892      | 3562892.000     | 8.22 |
| OG17041-CAL3 | 2             | 6724097      | 3362049.000     | 8.22 |
| OG17041-CAL4 | 5             | 1.694547E+07 | 3389094.000     | 8.22 |
| OG17041-CAL5 | 10            | 3.391445E+07 | 3391445.000     | 8.22 |
| OG17041-CAL6 | 25            | 8.607344E+07 | 3442938.000     | 8.22 |
| OG17041-CAL7 | 50            | 1.960189E+08 | 3920378.000     | 8.22 |
| OG17041-CAL8 | 100           | 4.031362E+08 | 4031362.000     | 8.22 |
| OG17041-CAL9 | 200           | 8.501055E+08 | 4250528.000     | 8.22 |

**AVE RF** 3705361.000 **RF RSD** 9.25 **AVE RT** 8.22

### trans-Nonachlor [2C]

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

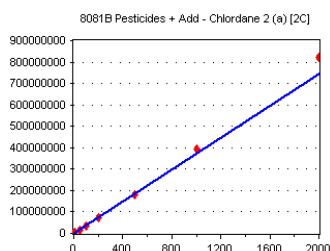


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2349402      | 4698804.000     | 8.28 |
| OG17041-CALB | 1             | 4254521      | 4254521.000     | 8.28 |
| OG17041-CALC | 2             | 6801997      | 3400999.000     | 8.28 |
| OG17041-CALE | 10            | 3.144882E+07 | 3144882.000     | 8.28 |
| OG17041-CALF | 25            | 8.237169E+07 | 3294868.000     | 8.28 |
| OG17041-CALG | 50            | 1.81277E+08  | 3625540.000     | 8.28 |
| OG17041-CALH | 100           | 3.466326E+08 | 3466326.000     | 8.28 |
| OG17041-CALI | 200           | 7.928869E+08 | 3964435.000     | 8.28 |

**AVE RF** 3731297.000 **RF RSD** 14.29 **AVE RT** 8.28

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

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 4030003      | 403000.300      | 8.32 |
| OG17041-CALK | 50            | 1.686064E+07 | 337212.800      | 8.32 |
| OG17041-CALL | 100           | 3.45052E+07  | 345052.000      | 8.32 |
| OG17041-CALM | 200           | 7.057051E+07 | 352852.600      | 8.32 |
| OG17041-CALN | 500           | 1.815522E+08 | 363104.400      | 8.32 |
| OG17041-CALO | 1000          | 3.939103E+08 | 393910.300      | 8.32 |
| OG17041-CALP | 2000          | 8.209335E+08 | 410466.800      | 8.32 |

**AVE RF** 372228.400 **RF RSD** 7.99 **AVE RT** 8.32

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

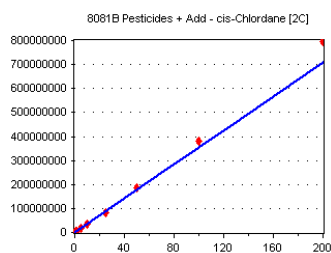
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

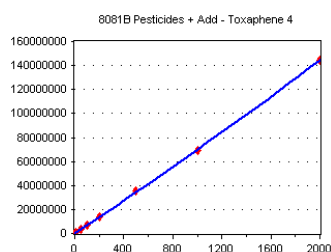


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1890414      | 3780828.000     | 8.33 |
| OG17041-CAL2 | 1             | 3440076      | 3440076.000     | 8.33 |
| OG17041-CAL3 | 2             | 6359764      | 3179882.000     | 8.33 |
| OG17041-CAL4 | 5             | 1.672319E+07 | 3344638.000     | 8.33 |
| OG17041-CAL5 | 10            | 3.360184E+07 | 3360184.000     | 8.33 |
| OG17041-CAL6 | 25            | 8.400322E+07 | 3360129.000     | 8.33 |
| OG17041-CAL7 | 50            | 1.84225E+08  | 3684500.000     | 8.33 |
| OG17041-CAL8 | 100           | 3.802116E+08 | 3802116.000     | 8.33 |
| OG17041-CAL9 | 200           | 7.959508E+08 | 3979754.000     | 8.33 |

**AVE RF** 3548012.000 **RF RSD** 7.61 **AVE RT** 8.33

### Toxaphene 4

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

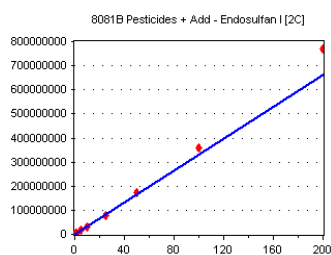


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 997698       | 99769.800       | 8.33 |
| OG17041-CALR | 50            | 3700248      | 74004.960       | 8.33 |
| OG17041-CALS | 100           | 6896854      | 68968.540       | 8.33 |
| OG17041-CALT | 200           | 1.358354E+07 | 67917.700       | 8.33 |
| OG17041-CALU | 500           | 3.516775E+07 | 70335.510       | 8.33 |
| OG17041-CALV | 1000          | 6.959812E+07 | 69598.120       | 8.33 |
| OG17041-CALW | 2000          | 1.441765E+08 | 72088.250       | 8.33 |

**AVE RF** 74668.980 **RF RSD** 15.07 **AVE RT** 8.33

### Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

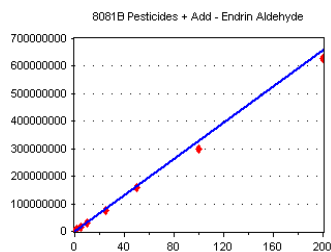


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1697626      | 3395252.000     | 8.38 |
| OG17041-CAL2 | 1             | 3206256      | 3206256.000     | 8.38 |
| OG17041-CAL3 | 2             | 6010589      | 3005295.000     | 8.38 |
| OG17041-CAL4 | 5             | 1.5748E+07   | 3149600.000     | 8.38 |
| OG17041-CAL5 | 10            | 3.053644E+07 | 3053644.000     | 8.38 |
| OG17041-CAL6 | 25            | 7.807344E+07 | 3122938.000     | 8.38 |
| OG17041-CAL7 | 50            | 1.720562E+08 | 3441124.000     | 8.38 |
| OG17041-CAL8 | 100           | 3.594954E+08 | 3594954.000     | 8.38 |
| OG17041-CAL9 | 200           | 7.684431E+08 | 3842215.000     | 8.38 |

**AVE RF** 3312364.000 **RF RSD** 8.40 **AVE RT** 8.38

### Endrin Aldehyde

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1961121      | 3922242.000     | 8.41 |
| OG17041-CAL2 | 1             | 3634935      | 3634935.000     | 8.41 |
| OG17041-CAL3 | 2             | 6892476      | 3446238.000     | 8.40 |
| OG17041-CAL4 | 5             | 1.611602E+07 | 3223204.000     | 8.40 |
| OG17041-CAL5 | 10            | 3.173576E+07 | 3173576.000     | 8.40 |
| OG17041-CAL6 | 25            | 7.448588E+07 | 2979435.000     | 8.40 |
| OG17041-CAL7 | 50            | 1.572567E+08 | 3145134.000     | 8.40 |
| OG17041-CAL8 | 100           | 2.970894E+08 | 2970894.000     | 8.40 |
| OG17041-CAL9 | 200           | 6.278462E+08 | 3139231.000     | 8.40 |

**AVE RF** 3292765.000 **RF RSD** 9.62 **AVE RT** 8.40

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

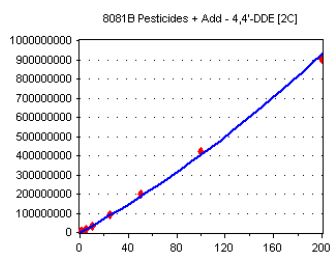
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

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

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

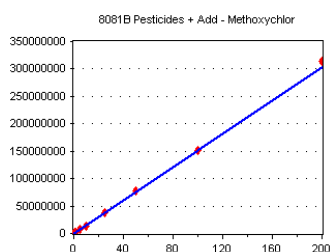


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1702667      | 3405334.000     | 8.43 |
| OG17041-CAL2 | 1             | 3336158      | 3336158.000     | 8.43 |
| OG17041-CAL3 | 2             | 6193968      | 3096984.000     | 8.43 |
| OG17041-CAL4 | 5             | 1.703514E+07 | 3407028.000     | 8.43 |
| OG17041-CAL5 | 10            | 3.503807E+07 | 3503807.000     | 8.43 |
| OG17041-CAL6 | 25            | 8.987557E+07 | 3595023.000     | 8.43 |
| OG17041-CAL7 | 50            | 1.99416E+08  | 3988320.000     | 8.43 |
| OG17041-CAL8 | 100           | 4.192813E+08 | 4192813.000     | 8.43 |
| OG17041-CAL9 | 200           | 9.035551E+08 | 4517776.000     | 8.43 |

**AVE RF** 3671471.000 **RF RSD** 12.58 **AVE RT** 8.43

### Methoxychlor

Curve Fit: **AVERAGE RF**

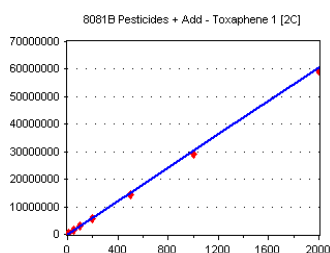


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 868824       | 1737648.000     | 8.55 |
| OG17041-CAL2 | 1             | 1581473      | 1581473.000     | 8.54 |
| OG17041-CAL3 | 2             | 2542453      | 1271227.000     | 8.54 |
| OG17041-CAL4 | 5             | 7562519      | 1512504.000     | 8.54 |
| OG17041-CAL5 | 10            | 1.408358E+07 | 1408358.000     | 8.54 |
| OG17041-CAL6 | 25            | 3.731787E+07 | 1492715.000     | 8.54 |
| OG17041-CAL7 | 50            | 7.74573E+07  | 1549146.000     | 8.54 |
| OG17041-CAL8 | 100           | 1.511606E+08 | 1511606.000     | 8.54 |
| OG17041-CAL9 | 200           | 3.149976E+08 | 1574988.000     | 8.54 |

**AVE RF** 1515518.000 **RF RSD** 8.41 **AVE RT** 8.54

### Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

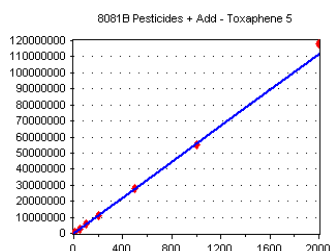


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 335512       | 33551.200       | 8.55 |
| OG17041-CALR | 50            | 1583081      | 31661.620       | 8.55 |
| OG17041-CALS | 100           | 3003906      | 30039.060       | 8.55 |
| OG17041-CALT | 200           | 5816913      | 29084.560       | 8.55 |
| OG17041-CALU | 500           | 1.420429E+07 | 28408.580       | 8.55 |
| OG17041-CALV | 1000          | 2.920344E+07 | 29203.440       | 8.55 |
| OG17041-CALW | 2000          | 5.942247E+07 | 29711.240       | 8.55 |

**AVE RF** 30237.100 **RF RSD** 5.90 **AVE RT** 8.55

### Toxaphene 5

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 570568       | 57056.800       | 8.56 |
| OG17041-CALR | 50            | 2695138      | 53902.760       | 8.56 |
| OG17041-CALS | 100           | 5572830      | 55728.300       | 8.56 |
| OG17041-CALT | 200           | 1.074054E+07 | 53702.700       | 8.56 |
| OG17041-CALU | 500           | 2.812695E+07 | 56253.900       | 8.56 |
| OG17041-CALV | 1000          | 5.535758E+07 | 55357.580       | 8.56 |
| OG17041-CALW | 2000          | 1.179128E+08 | 58956.400       | 8.56 |

**AVE RF** 55851.210 **RF RSD** 3.26 **AVE RT** 8.56

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

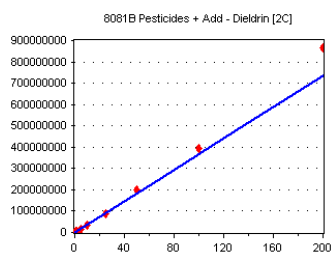
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Dieldrin [2C]

Curve Fit: **AVERAGE RF**

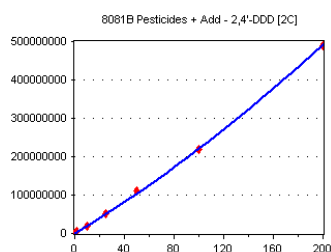


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1823919      | 3647838.000     | 8.58 |
| OG17041-CAL2 | 1             | 3411011      | 3411011.000     | 8.58 |
| OG17041-CAL3 | 2             | 6570645      | 3285323.000     | 8.58 |
| OG17041-CAL4 | 5             | 1.697576E+07 | 3395152.000     | 8.58 |
| OG17041-CAL5 | 10            | 3.474456E+07 | 3474456.000     | 8.58 |
| OG17041-CAL6 | 25            | 8.937815E+07 | 3575126.000     | 8.58 |
| OG17041-CAL7 | 50            | 2.01395E+08  | 4027900.000     | 8.58 |
| OG17041-CAL8 | 100           | 3.964674E+08 | 3964674.000     | 8.58 |
| OG17041-CAL9 | 200           | 8.636945E+08 | 4318473.000     | 8.58 |

**AVE RF** 3677772.000 **RF RSD** 9.48 **AVE RT** 8.58

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

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

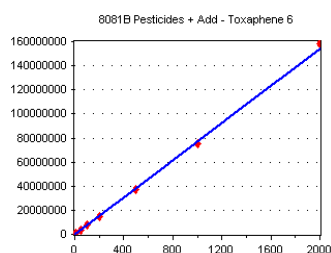


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1354404      | 2708808.000     | 8.58 |
| OG17041-CALB | 1             | 2521607      | 2521607.000     | 8.58 |
| OG17041-CALC | 2             | 4134571      | 2067286.000     | 8.58 |
| OG17041-CALE | 10            | 1.896882E+07 | 1896882.000     | 8.58 |
| OG17041-CALF | 25            | 5.048322E+07 | 2019329.000     | 8.58 |
| OG17041-CALG | 50            | 1.103293E+08 | 2206586.000     | 8.58 |
| OG17041-CALH | 100           | 2.181411E+08 | 2181411.000     | 8.58 |
| OG17041-CALI | 200           | 4.904762E+08 | 2452381.000     | 8.58 |

**AVE RF** 2256786.000 **RF RSD** 12.34 **AVE RT** 8.58

### Toxaphene 6

Curve Fit: **AVERAGE RF**

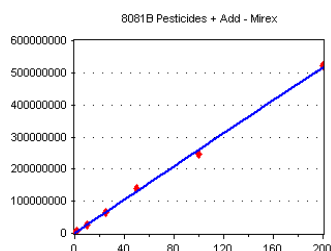


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 869784       | 86978.400       | 8.63 |
| OG17041-CALR | 50            | 3727757      | 74555.140       | 8.63 |
| OG17041-CALS | 100           | 7361756      | 73617.560       | 8.63 |
| OG17041-CALT | 200           | 1.474088E+07 | 73704.400       | 8.63 |
| OG17041-CALU | 500           | 3.7486E+07   | 74972.000       | 8.63 |
| OG17041-CALV | 1000          | 7.524774E+07 | 75247.740       | 8.63 |
| OG17041-CALW | 2000          | 1.581229E+08 | 79061.450       | 8.63 |

**AVE RF** 76876.670 **RF RSD** 6.26 **AVE RT** 8.63

### Mirex

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1992597      | 3985194.000     | 8.65 |
| OG17041-CALB | 1             | 3681219      | 3681219.000     | 8.65 |
| OG17041-CALC | 2             | 5794391      | 2897196.000     | 8.65 |
| OG17041-CALE | 10            | 2.510932E+07 | 2510932.000     | 8.65 |
| OG17041-CALF | 25            | 6.606263E+07 | 2642505.000     | 8.64 |
| OG17041-CALG | 50            | 1.400354E+08 | 2800708.000     | 8.64 |
| OG17041-CALH | 100           | 2.470503E+08 | 2470503.000     | 8.64 |
| OG17041-CALI | 200           | 5.225974E+08 | 2612987.000     | 8.64 |

**AVE RF** 2950155.000 **RF RSD** 19.27 **AVE RT** 8.64

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

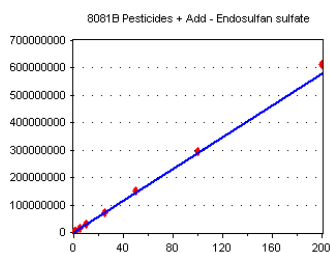
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Endosulfan sulfate

Curve Fit: **AVERAGE RF**

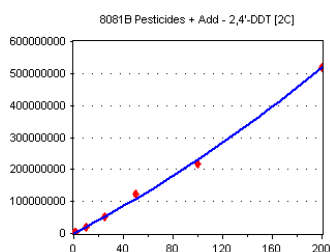


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1519491      | 3038982.000     | 8.71 |
| OG17041-CAL2 | 1             | 2784647      | 2784647.000     | 8.71 |
| OG17041-CAL3 | 2             | 5171692      | 2585846.000     | 8.70 |
| OG17041-CAL4 | 5             | 1.403272E+07 | 2806544.000     | 8.70 |
| OG17041-CAL5 | 10            | 2.97515E+07  | 2975150.000     | 8.70 |
| OG17041-CAL6 | 25            | 7.135766E+07 | 2854307.000     | 8.70 |
| OG17041-CAL7 | 50            | 1.49851E+08  | 2997020.000     | 8.70 |
| OG17041-CAL8 | 100           | 2.953007E+08 | 2953007.000     | 8.70 |
| OG17041-CAL9 | 200           | 6.143307E+08 | 3071654.000     | 8.70 |

**AVE RF** 2896351.000 **RF RSD** 5.31 **AVE RT** 8.70

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

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

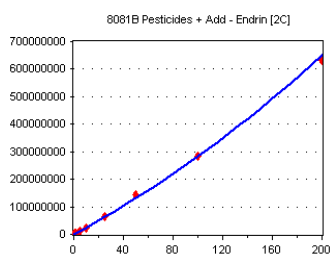


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1387580      | 2775160.000     | 8.81 |
| OG17041-CALB | 1             | 2602143      | 2602143.000     | 8.81 |
| OG17041-CALC | 2             | 4124073      | 2062037.000     | 8.81 |
| OG17041-CALE | 10            | 1.924111E+07 | 1924111.000     | 8.81 |
| OG17041-CALF | 25            | 5.266689E+07 | 2106676.000     | 8.81 |
| OG17041-CALG | 50            | 1.23969E+08  | 2479380.000     | 8.81 |
| OG17041-CALH | 100           | 2.177488E+08 | 2177488.000     | 8.81 |
| OG17041-CALI | 200           | 5.178527E+08 | 2589264.000     | 8.81 |

**AVE RF** 2339532.000 **RF RSD** 13.23 **AVE RT** 8.81

### Endrin [2C]

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

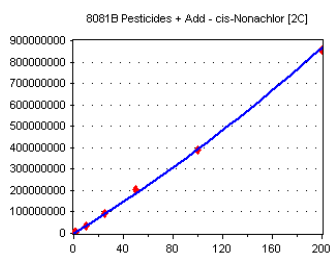


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1336331      | 2672662.000     | 8.81 |
| OG17041-CAL2 | 1             | 2506800      | 2506800.000     | 8.81 |
| OG17041-CAL3 | 2             | 4136332      | 2068166.000     | 8.81 |
| OG17041-CAL4 | 5             | 1.222397E+07 | 2444794.000     | 8.81 |
| OG17041-CAL5 | 10            | 2.423844E+07 | 2423844.000     | 8.81 |
| OG17041-CAL6 | 25            | 6.593539E+07 | 2637416.000     | 8.81 |
| OG17041-CAL7 | 50            | 1.456464E+08 | 2912928.000     | 8.81 |
| OG17041-CAL8 | 100           | 2.853349E+08 | 2853349.000     | 8.81 |
| OG17041-CAL9 | 200           | 6.309578E+08 | 3154789.000     | 8.81 |

**AVE RF** 2630528.000 **RF RSD** 12.13 **AVE RT** 8.81

### cis-Nonachlor [2C]

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



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 2337639      | 4675278.000     | 8.85 |
| OG17041-CALB | 1             | 4492264      | 4492264.000     | 8.85 |
| OG17041-CALC | 2             | 7162885      | 3581443.000     | 8.85 |
| OG17041-CALE | 10            | 3.369518E+07 | 3369518.000     | 8.85 |
| OG17041-CALF | 25            | 9.026936E+07 | 3610775.000     | 8.85 |
| OG17041-CALG | 50            | 2.052828E+08 | 4105656.000     | 8.85 |
| OG17041-CALH | 100           | 3.884252E+08 | 3884252.000     | 8.85 |
| OG17041-CALI | 200           | 8.566893E+08 | 4283447.000     | 8.85 |

**AVE RF** 4000329.000 **RF RSD** 11.68 **AVE RT** 8.85

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

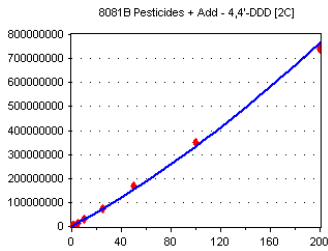
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

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

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

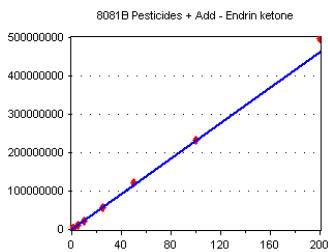


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1463902      | 2927804.000     | 8.85 |
| OG17041-CAL2 | 1             | 2703896      | 2703896.000     | 8.85 |
| OG17041-CAL3 | 2             | 5447533      | 2723767.000     | 8.85 |
| OG17041-CAL4 | 5             | 1.39115E+07  | 2782300.000     | 8.85 |
| OG17041-CAL5 | 10            | 2.8754E+07   | 2875400.000     | 8.85 |
| OG17041-CAL6 | 25            | 7.357032E+07 | 2942813.000     | 8.85 |
| OG17041-CAL7 | 50            | 1.702461E+08 | 3404922.000     | 8.85 |
| OG17041-CAL8 | 100           | 3.509548E+08 | 3509548.000     | 8.85 |
| OG17041-CAL9 | 200           | 7.375275E+08 | 3687638.000     | 8.85 |

**AVE RF** 3062010.000 **RF RSD** 12.09 **AVE RT** 8.85

### Endrin ketone

Curve Fit: **AVERAGE RF**

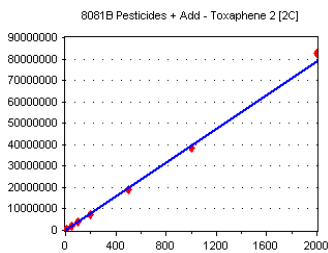


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1364571      | 2729142.000     | 8.90 |
| OG17041-CAL2 | 1             | 2404758      | 2404758.000     | 8.90 |
| OG17041-CAL3 | 2             | 3933660      | 1966830.000     | 8.90 |
| OG17041-CAL4 | 5             | 1.045138E+07 | 2090276.000     | 8.90 |
| OG17041-CAL5 | 10            | 2.113332E+07 | 2113332.000     | 8.90 |
| OG17041-CAL6 | 25            | 5.600807E+07 | 2240323.000     | 8.90 |
| OG17041-CAL7 | 50            | 1.220677E+08 | 2441354.000     | 8.90 |
| OG17041-CAL8 | 100           | 2.334775E+08 | 2334775.000     | 8.90 |
| OG17041-CAL9 | 200           | 4.964796E+08 | 2482398.000     | 8.89 |

**AVE RF** 2311465.000 **RF RSD** 10.17 **AVE RT** 8.90

### Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

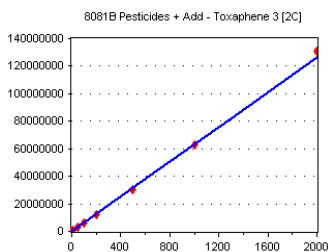


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 413915       | 41391.500       | 8.90 |
| OG17041-CALR | 50            | 1974286      | 39485.720       | 8.90 |
| OG17041-CALS | 100           | 3932330      | 39323.300       | 8.90 |
| OG17041-CALT | 200           | 7444456      | 37222.280       | 8.90 |
| OG17041-CALU | 500           | 1.886555E+07 | 37731.100       | 8.90 |
| OG17041-CALV | 1000          | 3.850567E+07 | 38505.670       | 8.90 |
| OG17041-CALW | 2000          | 8.283742E+07 | 41418.710       | 8.90 |

**AVE RF** 39296.900 **RF RSD** 4.20 **AVE RT** 8.90

### Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 723456       | 72345.600       | 8.94 |
| OG17041-CALR | 50            | 3092409      | 61848.180       | 8.94 |
| OG17041-CALS | 100           | 6129499      | 61294.990       | 8.94 |
| OG17041-CALT | 200           | 1.17729E+07  | 58864.500       | 8.94 |
| OG17041-CALU | 500           | 3.008691E+07 | 60173.820       | 8.93 |
| OG17041-CALV | 1000          | 6.259633E+07 | 62596.330       | 8.94 |
| OG17041-CALW | 2000          | 1.310664E+08 | 65533.200       | 8.94 |

**AVE RF** 63236.660 **RF RSD** 7.16 **AVE RT** 8.93

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

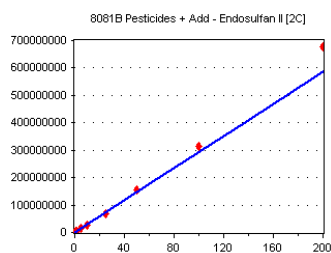
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

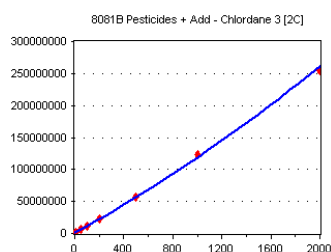


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1559202      | 3118404.000     | 8.96 |
| OG17041-CAL2 | 1             | 2802726      | 2802726.000     | 8.96 |
| OG17041-CAL3 | 2             | 5379985      | 2689993.000     | 8.96 |
| OG17041-CAL4 | 5             | 1.356068E+07 | 2712136.000     | 8.96 |
| OG17041-CAL5 | 10            | 2.715929E+07 | 2715929.000     | 8.96 |
| OG17041-CAL6 | 25            | 6.817066E+07 | 2726826.000     | 8.96 |
| OG17041-CAL7 | 50            | 1.56437E+08  | 3128740.000     | 8.96 |
| OG17041-CAL8 | 100           | 3.131203E+08 | 3131203.000     | 8.96 |
| OG17041-CAL9 | 200           | 6.755727E+08 | 3377863.000     | 8.96 |

**AVE RF** 2933758.000 **RF RSD** 8.73 **AVE RT** 8.96

### Chlordane 3 [2C]

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

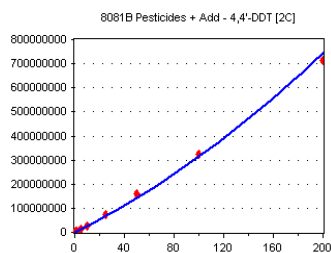


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALJ | 10            | 2118453      | 211845.300      | 8.99 |
| OG17041-CALK | 50            | 5973393      | 119467.900      | 8.99 |
| OG17041-CALL | 100           | 1.177501E+07 | 117750.100      | 8.99 |
| OG17041-CALM | 200           | 2.34146E+07  | 117073.000      | 8.99 |
| OG17041-CALN | 500           | 5.732831E+07 | 114656.600      | 8.99 |
| OG17041-CALO | 1000          | 1.238636E+08 | 123863.600      | 8.99 |
| OG17041-CALP | 2000          | 2.553117E+08 | 127655.900      | 8.99 |

**AVE RF** 133187.500 **RF RSD** 26.25 **AVE RT** 8.99

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

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

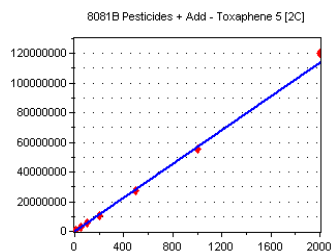


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1394118      | 2788236.000     | 9.08 |
| OG17041-CAL2 | 1             | 2566263      | 2566263.000     | 9.08 |
| OG17041-CAL3 | 2             | 4320498      | 2160249.000     | 9.08 |
| OG17041-CAL4 | 5             | 1.267457E+07 | 2534914.000     | 9.08 |
| OG17041-CAL5 | 10            | 2.590962E+07 | 2590962.000     | 9.08 |
| OG17041-CAL6 | 25            | 7.213282E+07 | 2885313.000     | 9.08 |
| OG17041-CAL7 | 50            | 1.593146E+08 | 3186292.000     | 9.08 |
| OG17041-CAL8 | 100           | 3.247194E+08 | 3247194.000     | 9.08 |
| OG17041-CAL9 | 200           | 7.131156E+08 | 3565578.000     | 9.07 |

**AVE RF** 2836111.000 **RF RSD** 15.31 **AVE RT** 9.08

### Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 645897       | 64589.700       | 9.18 |
| OG17041-CALR | 50            | 2784741      | 55694.820       | 9.18 |
| OG17041-CALS | 100           | 5437553      | 54375.530       | 9.18 |
| OG17041-CALT | 200           | 1.050812E+07 | 52540.600       | 9.18 |
| OG17041-CALU | 500           | 2.718028E+07 | 54360.560       | 9.18 |
| OG17041-CALV | 1000          | 5.566532E+07 | 55665.320       | 9.18 |
| OG17041-CALW | 2000          | 1.204045E+08 | 60202.250       | 9.18 |

**AVE RF** 56775.540 **RF RSD** 7.36 **AVE RT** 9.18



## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

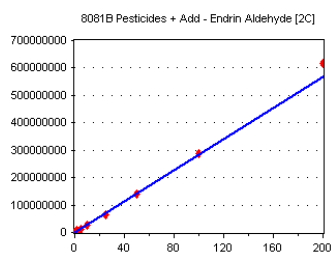
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

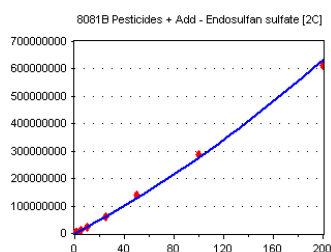


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1632480      | 3264960.000     | 9.20 |
| OG17041-CAL2 | 1             | 3023816      | 3023816.000     | 9.20 |
| OG17041-CAL3 | 2             | 5804760      | 2902380.000     | 9.20 |
| OG17041-CAL4 | 5             | 1.308309E+07 | 2616618.000     | 9.20 |
| OG17041-CAL5 | 10            | 2.540718E+07 | 2540718.000     | 9.20 |
| OG17041-CAL6 | 25            | 6.358951E+07 | 2543581.000     | 9.19 |
| OG17041-CAL7 | 50            | 1.394041E+08 | 2788082.000     | 9.19 |
| OG17041-CAL8 | 100           | 2.859794E+08 | 2859794.000     | 9.19 |
| OG17041-CAL9 | 200           | 6.162067E+08 | 3081034.000     | 9.19 |

**AVE RF** 2846776.000 **RF RSD** 8.84 **AVE RT** 9.19

### Endosulfan sulfate [2C]

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

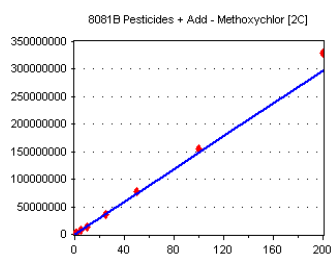


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1337833      | 2675666.000     | 9.39 |
| OG17041-CAL2 | 1             | 2448888      | 2448888.000     | 9.39 |
| OG17041-CAL3 | 2             | 4537613      | 2268807.000     | 9.39 |
| OG17041-CAL4 | 5             | 1.196136E+07 | 2392272.000     | 9.39 |
| OG17041-CAL5 | 10            | 2.387838E+07 | 2387838.000     | 9.39 |
| OG17041-CAL6 | 25            | 6.196284E+07 | 2478514.000     | 9.39 |
| OG17041-CAL7 | 50            | 1.39601E+08  | 2792020.000     | 9.38 |
| OG17041-CAL8 | 100           | 2.878598E+08 | 2878598.000     | 9.38 |
| OG17041-CAL9 | 200           | 6.125825E+08 | 3062913.000     | 9.38 |

**AVE RF** 2598391.000 **RF RSD** 10.27 **AVE RT** 9.39

### Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

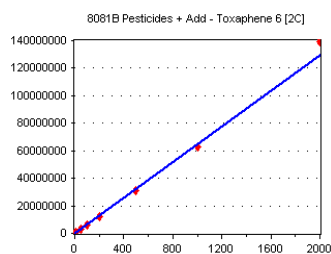


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 832289       | 1664578.000     | 9.56 |
| OG17041-CAL2 | 1             | 1501062      | 1501062.000     | 9.56 |
| OG17041-CAL3 | 2             | 2499381      | 1249691.000     | 9.56 |
| OG17041-CAL4 | 5             | 7089165      | 1417833.000     | 9.56 |
| OG17041-CAL5 | 10            | 1.337715E+07 | 1337715.000     | 9.56 |
| OG17041-CAL6 | 25            | 3.510345E+07 | 1404138.000     | 9.56 |
| OG17041-CAL7 | 50            | 7.830758E+07 | 1566152.000     | 9.56 |
| OG17041-CAL8 | 100           | 1.554239E+08 | 1554239.000     | 9.56 |
| OG17041-CAL9 | 200           | 3.299426E+08 | 1649713.000     | 9.55 |

**AVE RF** 1482791.000 **RF RSD** 9.51 **AVE RT** 9.56

### Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALQ | 10            | 734974       | 73497.400       | 9.56 |
| OG17041-CALR | 50            | 3145055      | 62901.100       | 9.56 |
| OG17041-CALS | 100           | 6294054      | 62940.540       | 9.56 |
| OG17041-CALT | 200           | 1.196682E+07 | 59834.100       | 9.56 |
| OG17041-CALU | 500           | 3.072976E+07 | 61459.520       | 9.56 |
| OG17041-CALV | 1000          | 6.310278E+07 | 63102.780       | 9.56 |
| OG17041-CALW | 2000          | 1.389965E+08 | 69498.250       | 9.56 |

**AVE RF** 64747.670 **RF RSD** 7.55 **AVE RT** 9.56

## Element Calibration Review Sheet

Calibration ID: **A0G2005**

Instrument: **DUALECD8**

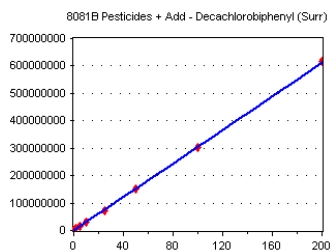
Calibration Date: **07/20/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_20071**

### Decachlorobiphenyl (Surr)

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

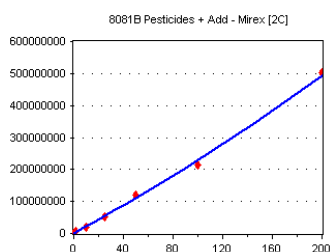


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 2181303      | 4362606.000     | 9.60 |
| OG17041-CAL2 | 1             | 3741875      | 3741875.000     | 9.60 |
| OG17041-CAL3 | 2             | 6703802      | 3351901.000     | 9.60 |
| OG17041-CAL4 | 5             | 1.62722E+07  | 3254440.000     | 9.60 |
| OG17041-CAL5 | 10            | 3.143066E+07 | 3143066.000     | 9.60 |
| OG17041-CAL6 | 25            | 7.361222E+07 | 2944489.000     | 9.59 |
| OG17041-CAL7 | 50            | 1.504061E+08 | 3008122.000     | 9.60 |
| OG17041-CAL8 | 100           | 3.02801E+08  | 3028010.000     | 9.59 |
| OG17041-CAL9 | 200           | 6.177546E+08 | 3088773.000     | 9.59 |

**AVE RF** 3324809.000 **RF RSD** 13.78 **AVE RT** 9.60

### Mirex [2C]

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

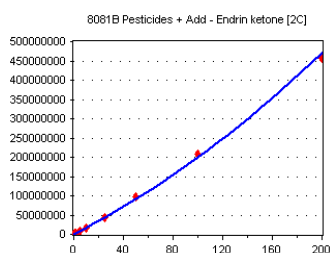


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CALA | 0.5           | 1857129      | 3714258.000     | 9.78 |
| OG17041-CALB | 1             | 3252585      | 3252585.000     | 9.78 |
| OG17041-CALC | 2             | 5097573      | 2548787.000     | 9.78 |
| OG17041-CALE | 10            | 2.062556E+07 | 2062556.000     | 9.78 |
| OG17041-CALF | 25            | 5.297699E+07 | 2119080.000     | 9.78 |
| OG17041-CALG | 50            | 1.183936E+08 | 2367872.000     | 9.78 |
| OG17041-CALH | 100           | 2.148627E+08 | 2148627.000     | 9.78 |
| OG17041-CALI | 200           | 5.038532E+08 | 2519266.000     | 9.78 |

**AVE RF** 2591629.000 **RF RSD** 22.85 **AVE RT** 9.78

### Endrin ketone [2C]

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

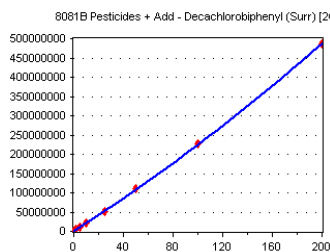


| Standard     | Concentration | Response     | Response Factor | RT   |
|--------------|---------------|--------------|-----------------|------|
| OG17041-CAL1 | 0.5           | 1021475      | 2042950.000     | 9.79 |
| OG17041-CAL2 | 1             | 1779672      | 1779672.000     | 9.79 |
| OG17041-CAL3 | 2             | 3243527      | 1621764.000     | 9.79 |
| OG17041-CAL4 | 5             | 8022001      | 1604400.000     | 9.79 |
| OG17041-CAL5 | 10            | 1.702441E+07 | 1702441.000     | 9.79 |
| OG17041-CAL6 | 25            | 4.382991E+07 | 1753197.000     | 9.79 |
| OG17041-CAL7 | 50            | 9.75526E+07  | 1951052.000     | 9.79 |
| OG17041-CAL8 | 100           | 2.072611E+08 | 2072611.000     | 9.79 |
| OG17041-CAL9 | 200           | 4.564564E+08 | 2282282.000     | 9.79 |

**AVE RF** 1867819.000 **RF RSD** 12.41 **AVE RT** 9.79

### Decachlorobiphenyl (Surr) [2C]

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



| Standard     | Concentration | Response     | Response Factor | RT    |
|--------------|---------------|--------------|-----------------|-------|
| OG17041-CAL1 | 0.5           | 1522119      | 3044238.000     | 10.66 |
| OG17041-CAL2 | 1             | 2571519      | 2571519.000     | 10.66 |
| OG17041-CAL3 | 2             | 4769423      | 2384712.000     | 10.66 |
| OG17041-CAL4 | 5             | 1.090535E+07 | 2181070.000     | 10.66 |
| OG17041-CAL5 | 10            | 2.077548E+07 | 2077548.000     | 10.66 |
| OG17041-CAL6 | 25            | 5.011335E+07 | 2004534.000     | 10.66 |
| OG17041-CAL7 | 50            | 1.104145E+08 | 2208290.000     | 10.66 |
| OG17041-CAL8 | 100           | 2.265388E+08 | 2265388.000     | 10.66 |
| OG17041-CAL9 | 200           | 4.851787E+08 | 2425894.000     | 10.66 |

**AVE RF** 2351466.000 **RF RSD** 13.34 **AVE RT** 10.66

# **CALIBRATION SEQUENCE REVIEW SHEET**

**SEQUENCE: 0G17041**

## **Analysis Included**

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

## CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

### INSTRUMENT SEQUENCE LOG

| <u>SampleID</u> | <u>SampleName</u> | <u>Matrix</u> | <u>STDID</u> | <u>ISTD_ID</u> | <u>Analyzed</u>      |
|-----------------|-------------------|---------------|--------------|----------------|----------------------|
| 0G17041-ICB1    | Initial Cal Blank | Water         | A20F379      |                | 7/17/2020 6:08:00PM  |
| 0G17041-CAL1    | Cal Standard      | Water         | A20G268      | "              | 7/17/2020 6:24:00PM  |
| 0G17041-CAL2    | Cal Standard      | Water         | A20G269      | "              | 7/17/2020 6:41:00PM  |
| 0G17041-CAL3    | Cal Standard      | Water         | A20C179      | "              | 7/17/2020 6:57:00PM  |
| 0G17041-CAL4    | Cal Standard      | Water         | A20C180      | "              | 7/17/2020 7:14:00PM  |
| 0G17041-CAL5    | Cal Standard      | Water         | A20C181      | "              | 7/17/2020 7:30:00PM  |
| 0G17041-CAL6    | Cal Standard      | Water         | A20C182      | "              | 7/17/2020 7:47:00PM  |
| 0G17041-CAL7    | Cal Standard      | Water         | A20E232      | "              | 7/17/2020 8:03:00PM  |
| 0G17041-CAL8    | Cal Standard      | Water         | A20E233      | "              | 7/17/2020 8:20:00PM  |
| 0G17041-CAL9    | Cal Standard      | Water         | A20C177      | "              | 7/17/2020 8:37:00PM  |
| 0G17041-ICV1    | Initial Cal Check | Water         | A20C164      | "              | 7/17/2020 9:10:00PM  |
| 0G17041-CALA    | Cal Standard      | Water         | A20G270      | "              | 7/17/2020 9:26:00PM  |
| 0G17041-CALB    | Cal Standard      | Water         | A20C353      | "              | 7/17/2020 9:43:00PM  |
| 0G17041-CALC    | Cal Standard      | Water         | A20C354      | "              | 7/17/2020 9:59:00PM  |
| 0G17041-CALD    | Cal Standard      | Water         | A20C355      | "              | 7/17/2020 10:16:00PM |
| 0G17041-CALE    | Cal Standard      | Water         | A20C356      | "              | 7/17/2020 10:32:00PM |
| 0G17041-CALF    | Cal Standard      | Water         | A20C357      | "              | 7/17/2020 10:49:00PM |
| 0G17041-CALG    | Cal Standard      | Water         | A20C358      | "              | 7/17/2020 11:05:00PM |
| 0G17041-CALH    | Cal Standard      | Water         | A20C359      | "              | 7/17/2020 11:22:00PM |
| 0G17041-CALI    | Cal Standard      | Water         | A20C352      | "              | 7/17/2020 11:38:00PM |
| 0G17041-ICV2    | Initial Cal Check | Water         | A20C360      | "              | 7/18/2020 12:11:00AM |
| 0G17041-CALJ    | Cal Standard      | Water         | A20G271      | "              | 7/18/2020 12:28:00AM |
| 0G17041-CALK    | Cal Standard      | Water         | A20F057      | "              | 7/18/2020 12:45:00AM |
| 0G17041-CALL    | Cal Standard      | Water         | A20F058      | "              | 7/18/2020 1:01:00AM  |
| 0G17041-CALM    | Cal Standard      | Water         | A20F059      | "              | 7/18/2020 1:18:00AM  |
| 0G17041-CALN    | Cal Standard      | Water         | A20F060      | "              | 7/18/2020 1:34:00AM  |
| 0G17041-CALO    | Cal Standard      | Water         | A20F061      | "              | 7/18/2020 1:51:00AM  |
| 0G17041-CALP    | Cal Standard      | Water         | A20F056      | "              | 7/18/2020 2:07:00AM  |
| 0G17041-ICV3    | Initial Cal Check | Water         | A20F062      | "              | 7/18/2020 2:40:00AM  |
| 0G17041-CALQ    | Cal Standard      | Water         | A20G272      | "              | 7/18/2020 2:57:00AM  |
| 0G17041-CALR    | Cal Standard      | Water         | A20F064      | "              | 7/18/2020 3:13:00AM  |
| 0G17041-CALS    | Cal Standard      | Water         | A20F065      | "              | 7/18/2020 3:30:00AM  |
| 0G17041-CALT    | Cal Standard      | Water         | A20F066      | "              | 7/18/2020 3:46:00AM  |
| 0G17041-CALU    | Cal Standard      | Water         | A20D430      | "              | 7/18/2020 4:03:00AM  |
| 0G17041-CALV    | Cal Standard      | Water         | A20D431      | "              | 7/18/2020 4:19:00AM  |
| 0G17041-CALW    | Cal Standard      | Water         | A20F063      | "              | 7/18/2020 4:36:00AM  |
| 0G17041-ICV4    | Initial Cal Check | Water         | A20F067      | "              | 7/18/2020 5:09:00AM  |

### CALIBRATION STANDARD RECOVERIES

Calibration: **A0G2005**

Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L

Sequence: **0G17041**

Matrix: **Water**

| <b>0G17041-CAL1</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| <b>0G17041-CAL2</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL3</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |

## CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0G17041

|                     |                  |                    |                  |              |             |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| <b>0G17041-CAL4</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL5</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL6</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL7</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL8</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CAL9</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALA</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALB</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALC</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALD</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALE</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALF</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALG</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALH</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALI</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALJ</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALK</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALL</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALM</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALN</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALO</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALP</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALQ</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALR</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALS</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALT</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALU</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALV</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-CALW</b> | <b>Inst. MRL</b> | <b>Recalc Res.</b> | <b>Cal Level</b> | <b>%Rec.</b> | <b>Qual</b> |

**CALIBRATION SEQUENCE REVIEW SHEET**

**SEQUENCE: 0G17041**

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

**Analytes With Quadratic Curve Fits**

|                  |             |             |                  |                    |                          |                                |
|------------------|-------------|-------------|------------------|--------------------|--------------------------|--------------------------------|
| <u>Qualifier</u> | <u>iMDL</u> | <u>iMRL</u> | <u>Spike Amt</u> | <u>%Difference</u> | <u>OK?</u>               | <u>Raise MRL to ?</u>          |
|                  |             |             |                  | _____              | <input type="checkbox"/> | <input type="checkbox"/> _____ |

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

**ICV RECOVERIES**

Calibration: **A0G2005** Instrument: **DUALECD8F**

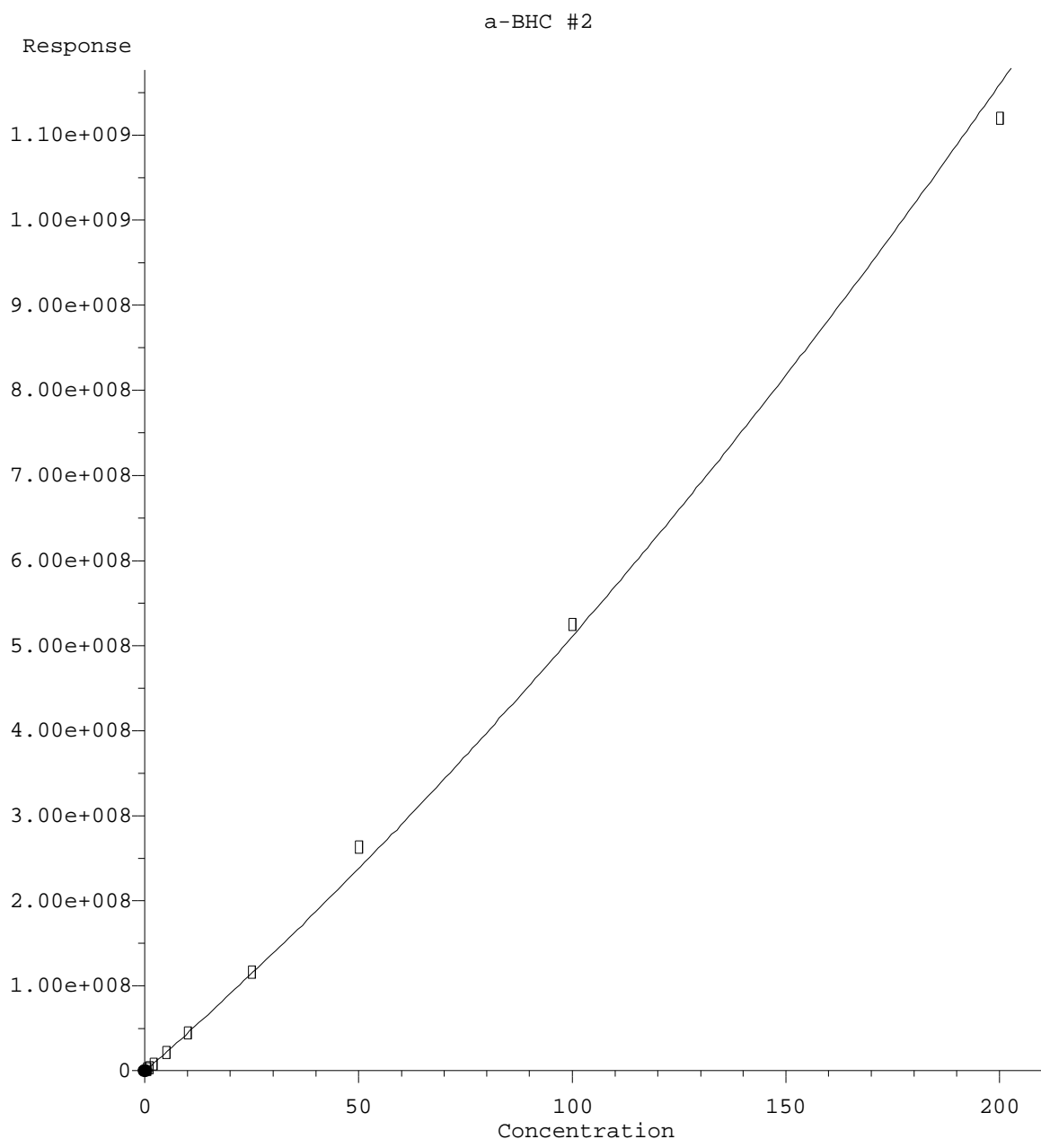
608.3 Pesticides

Sequence: **0G17041**

Matrix: **Water**

| <b>0G17041-ICV1</b> | <b>Inst. MRL</b> | <b>ICV Level</b> | <b>Result</b> | <b>%Rec.</b> | <b>Qual</b> |
|---------------------|------------------|------------------|---------------|--------------|-------------|
| <b>0G17041-ICV2</b> | <b>Inst. MRL</b> | <b>ICV Level</b> | <b>Result</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-ICV3</b> | <b>Inst. MRL</b> | <b>ICV Level</b> | <b>Result</b> | <b>%Rec.</b> | <b>Qual</b> |
| <b>0G17041-ICV4</b> | <b>Inst. MRL</b> | <b>ICV Level</b> | <b>Result</b> | <b>%Rec.</b> | <b>Qual</b> |

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.

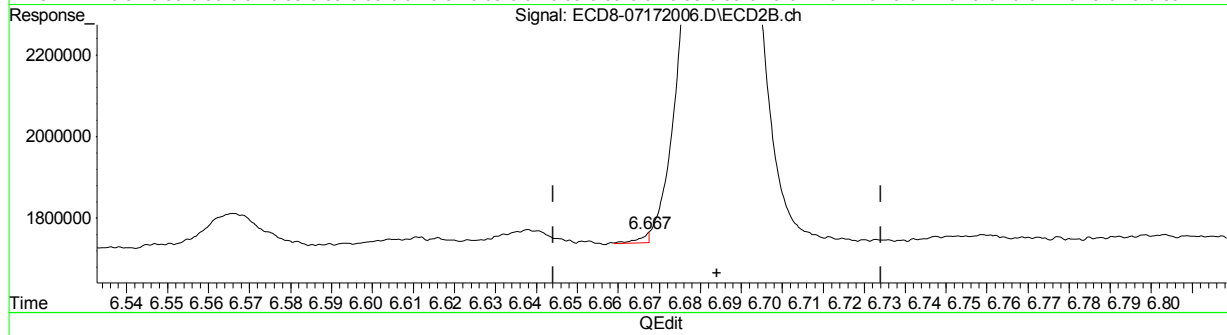
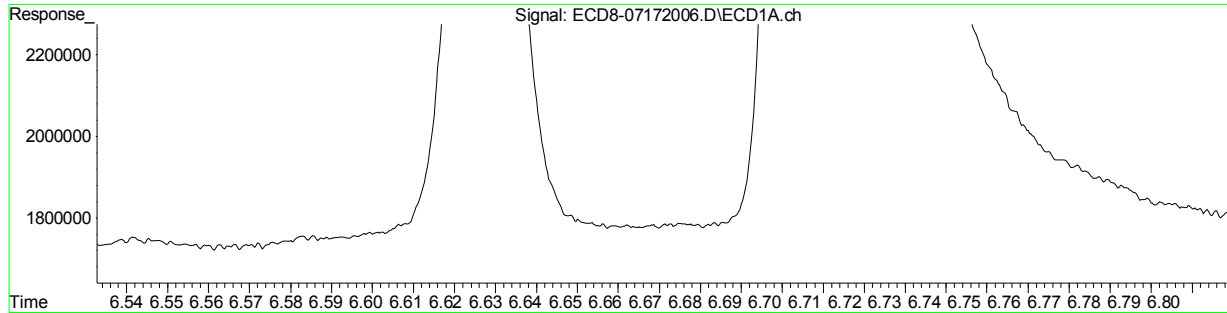


$R = 6.93e+003 A^2 + 4.42e+006 A - 1.80e+005$   
 Coef of Det ( $r^2$ ) = 0.995    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(2) a-BHC  
5.933min 0.498 ng/mL  
response 2450601

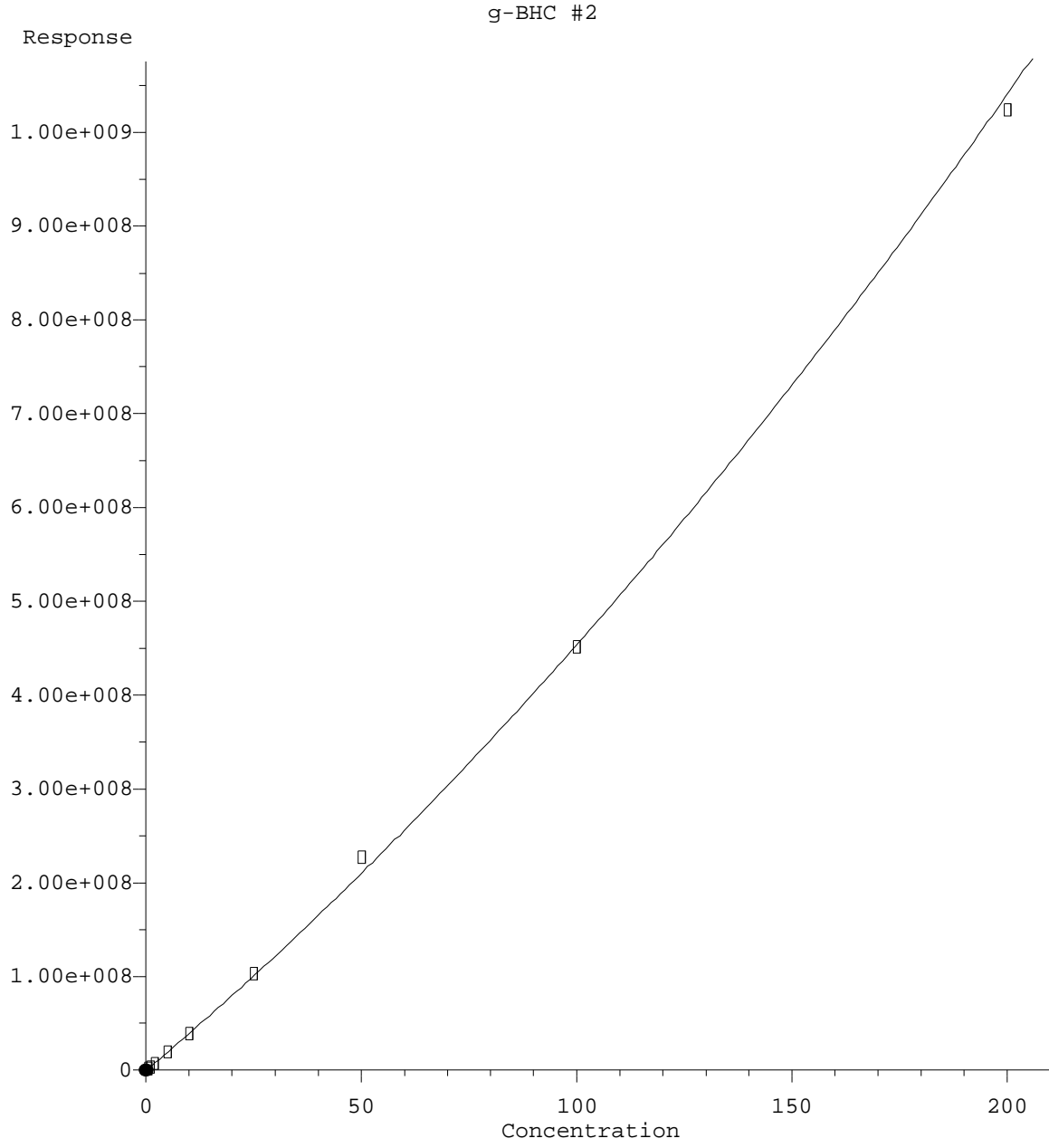
(2) a-BHC #2  
6.667min 0.046 ng/mL m  
response 23914

MJB 7/20/20

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:17:52 2020

Page: 1



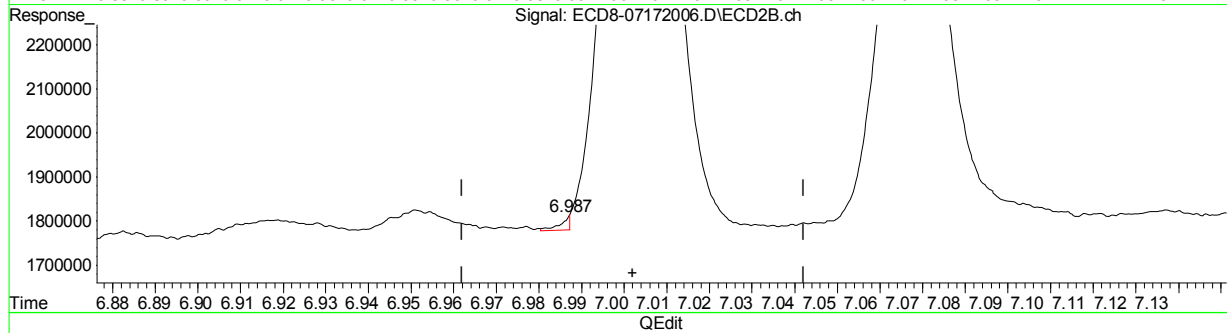
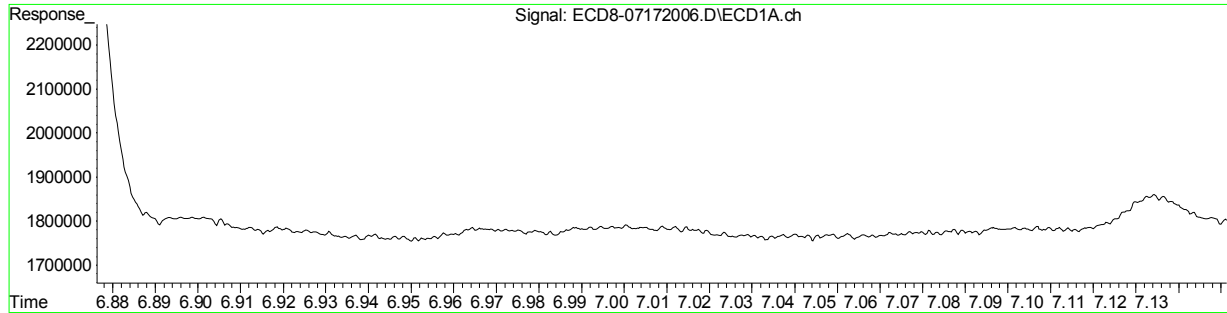


$R = 6.71e+003 A^2 + 3.86e+006 A + 4.13e+003$   
 Coef of Det ( $r^2$ ) = 0.997    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(3) g-BHC  
6.219min 0.520 ng/mL  
response 2300594

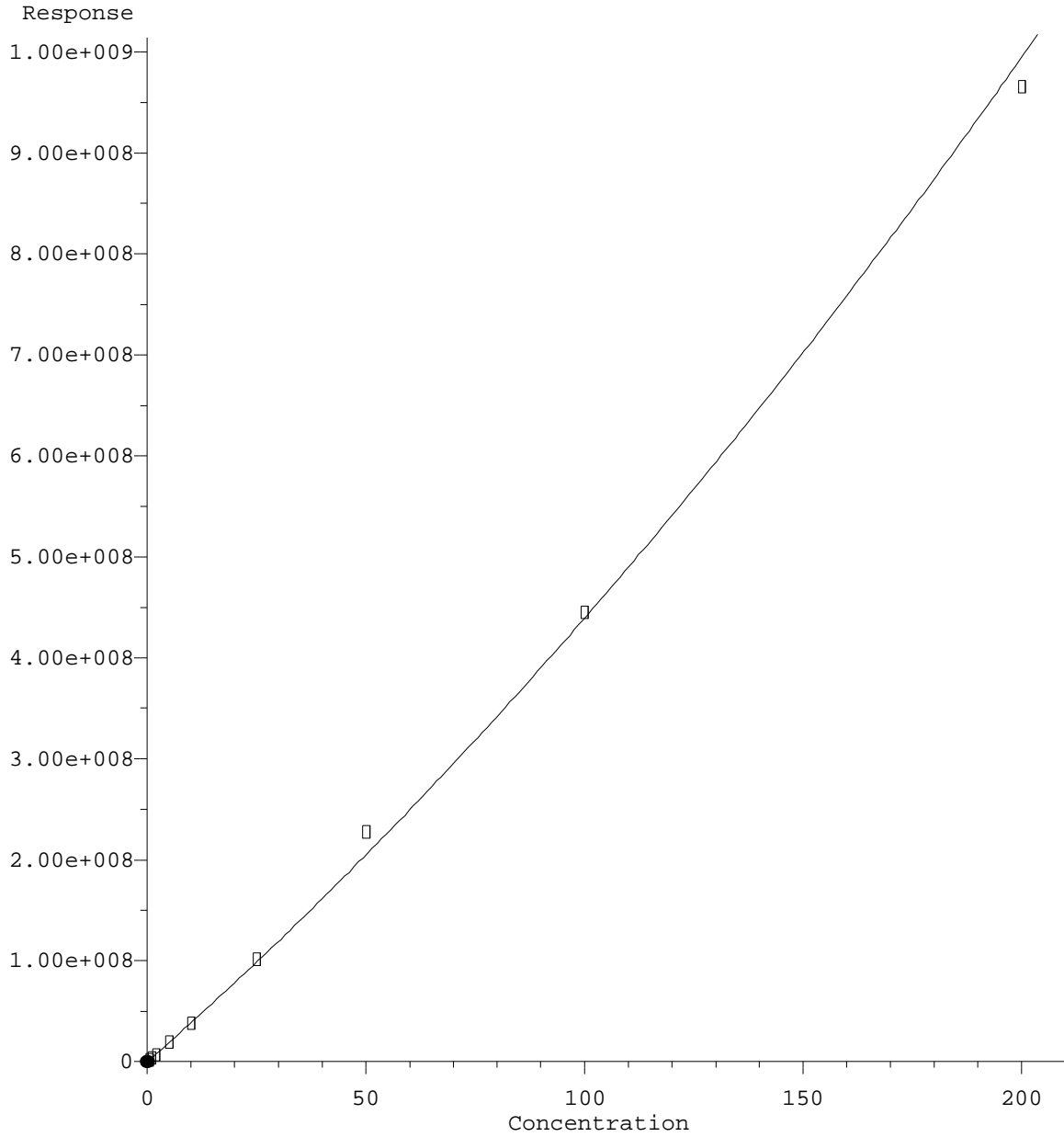
MJB 7/20/20

(3) g-BHC #2  
6.987min 0.007 ng/mL m  
response 31275

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:18:11 2020

Page: 1

Heptachlor #2

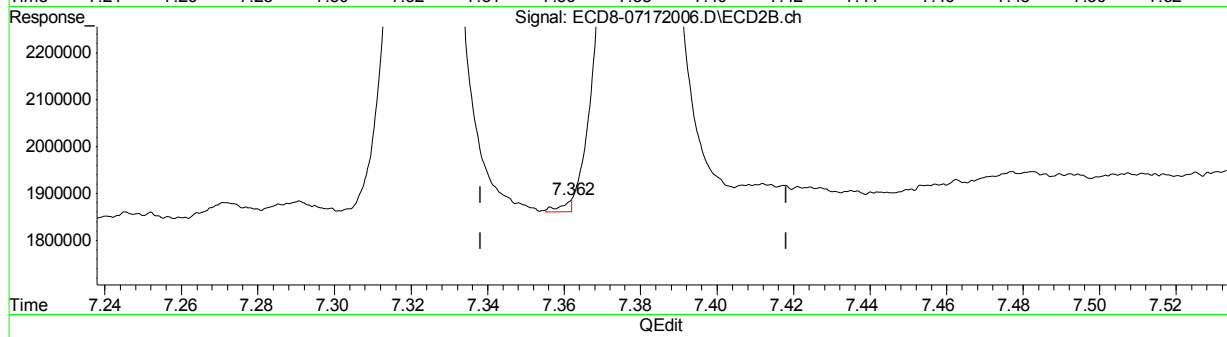
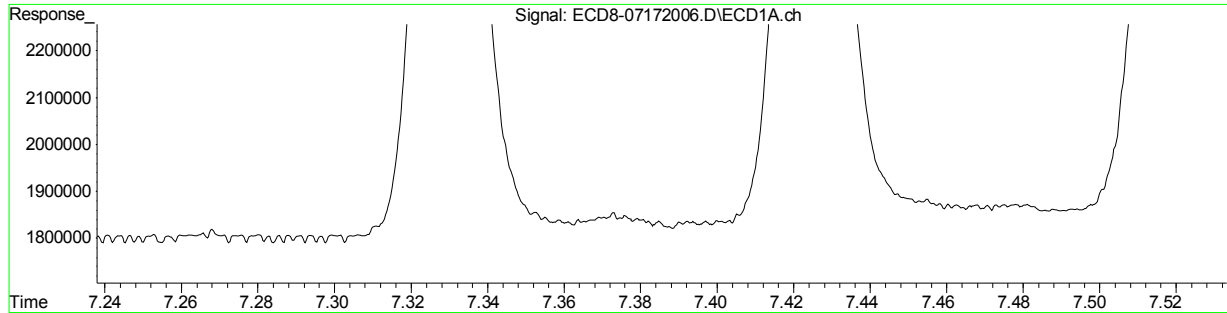


R = 5.85e+003 A\*A + 3.81e+006 A + 1.29e+005  
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



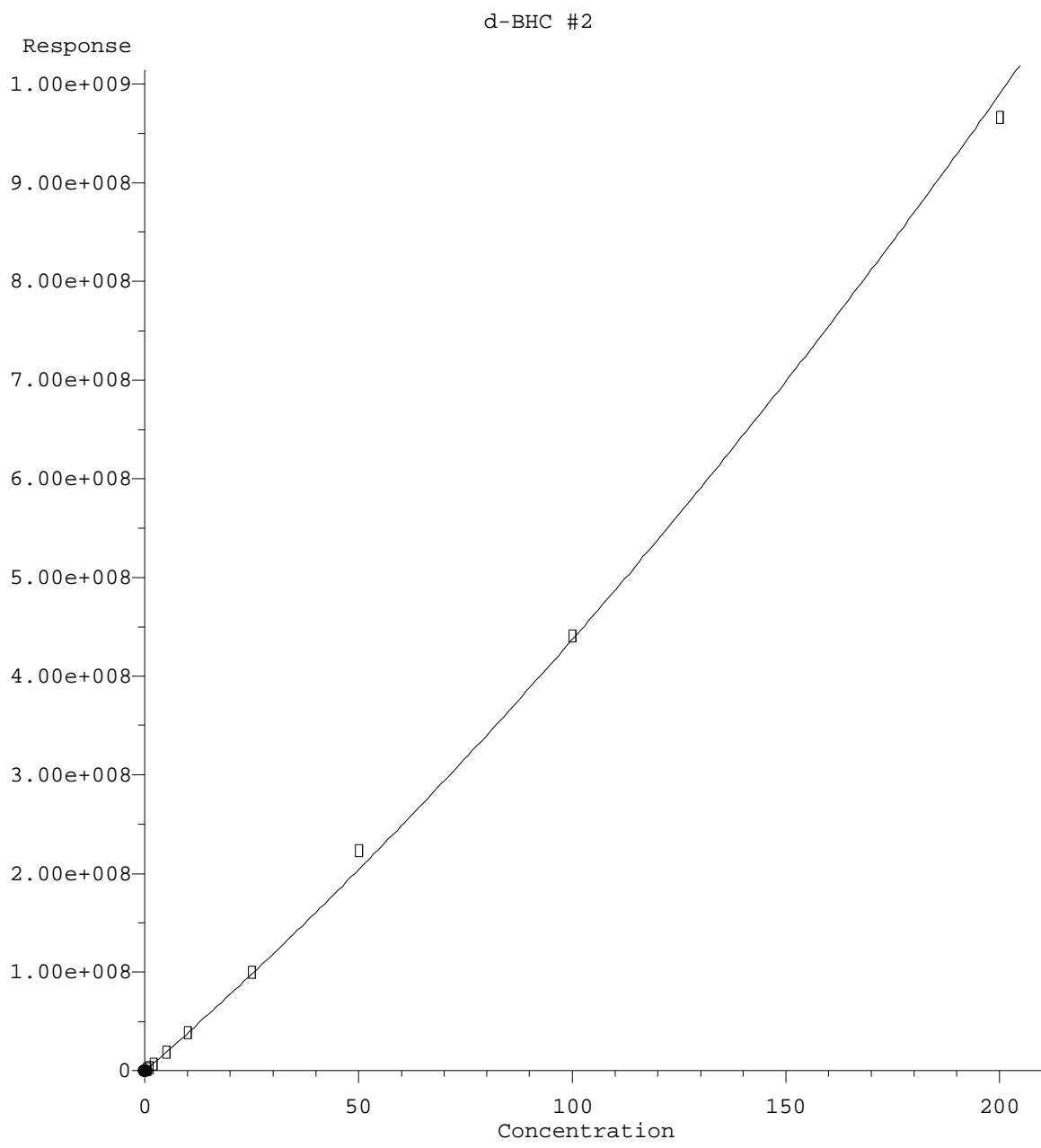
(5) Heptachlor  
6.627min 0.525 ng/mL  
response 2222149

MJB 7/20/20

(5) Heptachlor #2  
7.362min -0.027 ng/mL m  
response 26661

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:18:24 2020

Page: 1

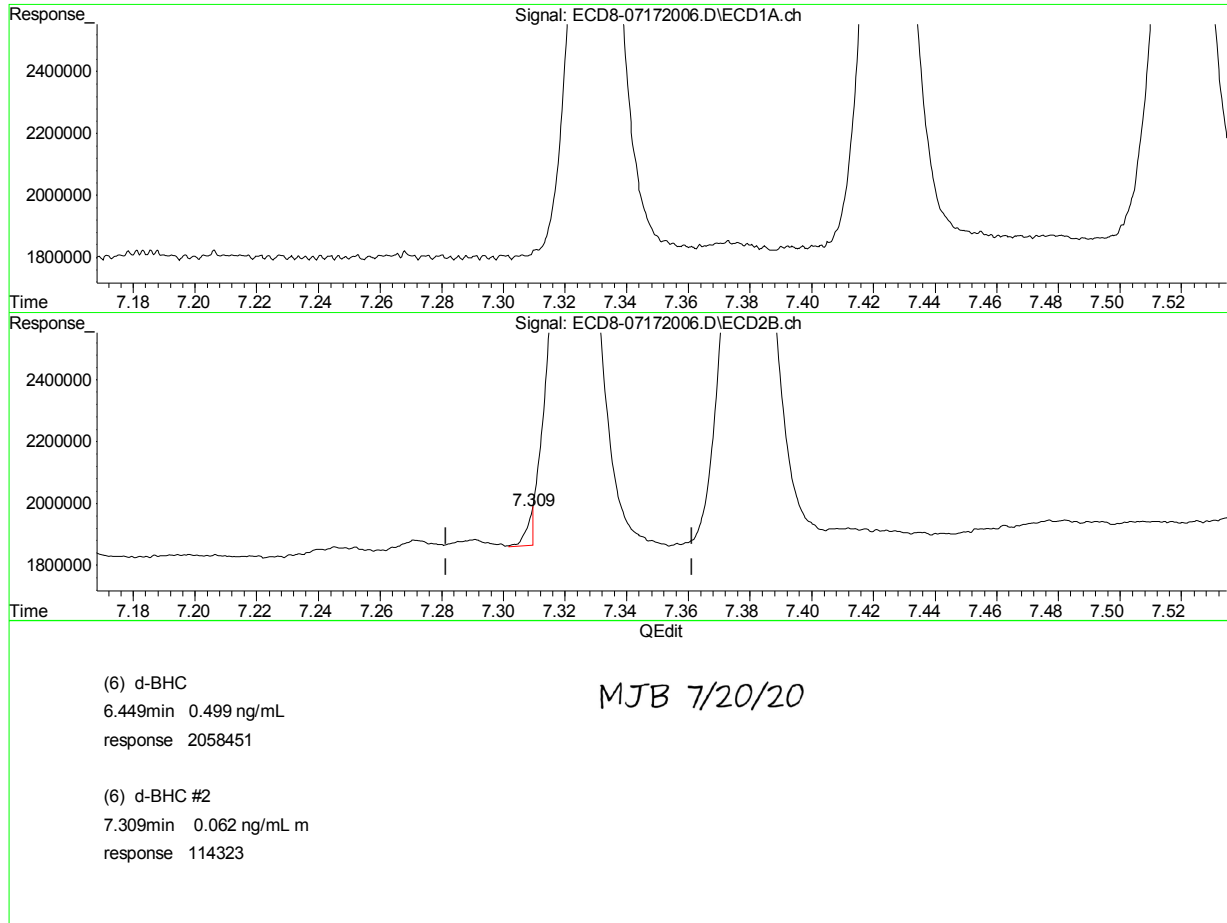


$R = 5.80e+003 A^2 + 3.79e+006 A - 1.22e+005$   
 Coef of Det ( $r^2$ ) = 0.996    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

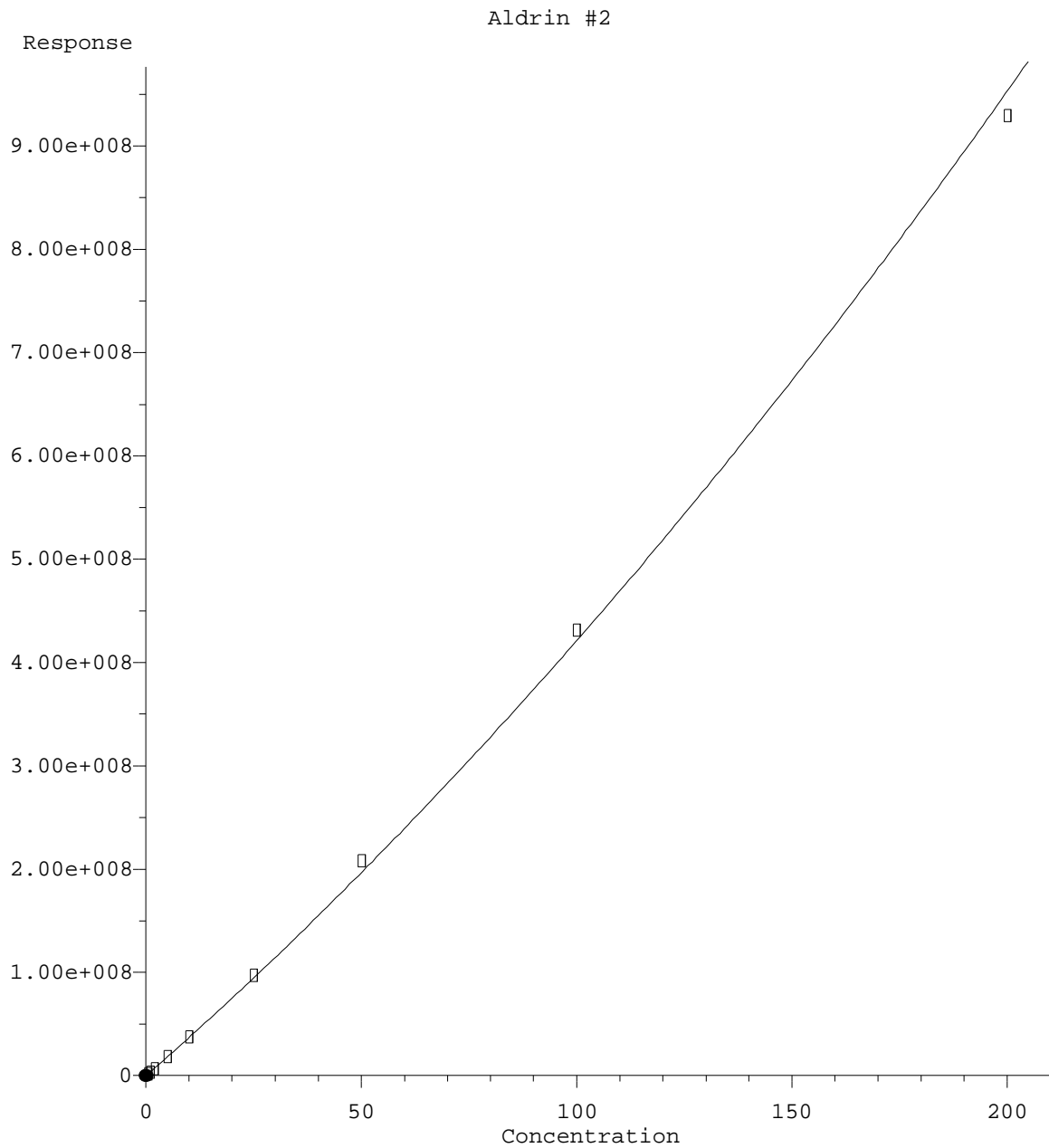
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:18:34 2020

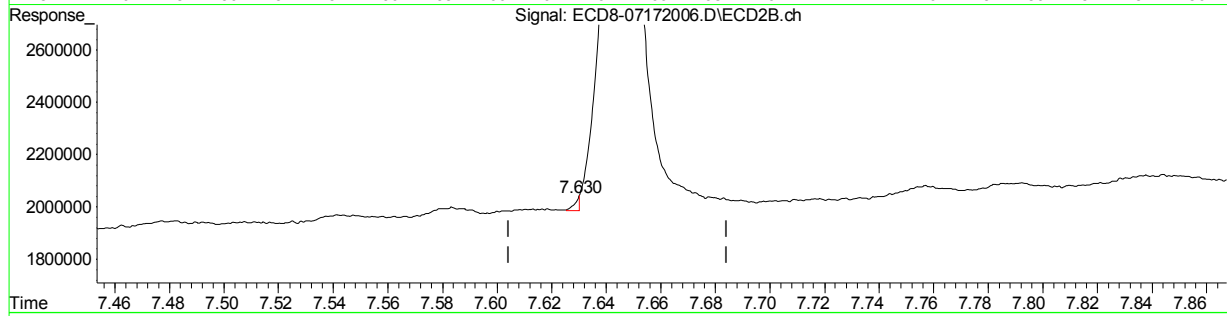
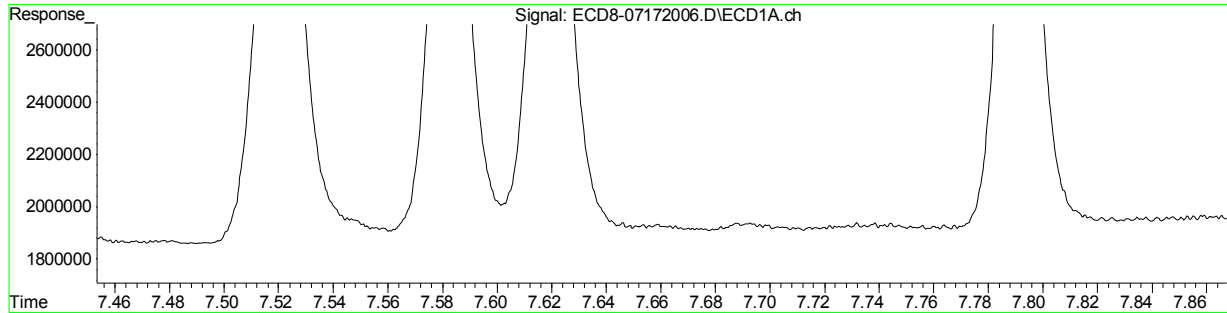


$R = 5.57e+003 A^2 + 3.65e+006 A + 3.35e+004$   
 Coef of Det ( $r^2$ ) = 0.997    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

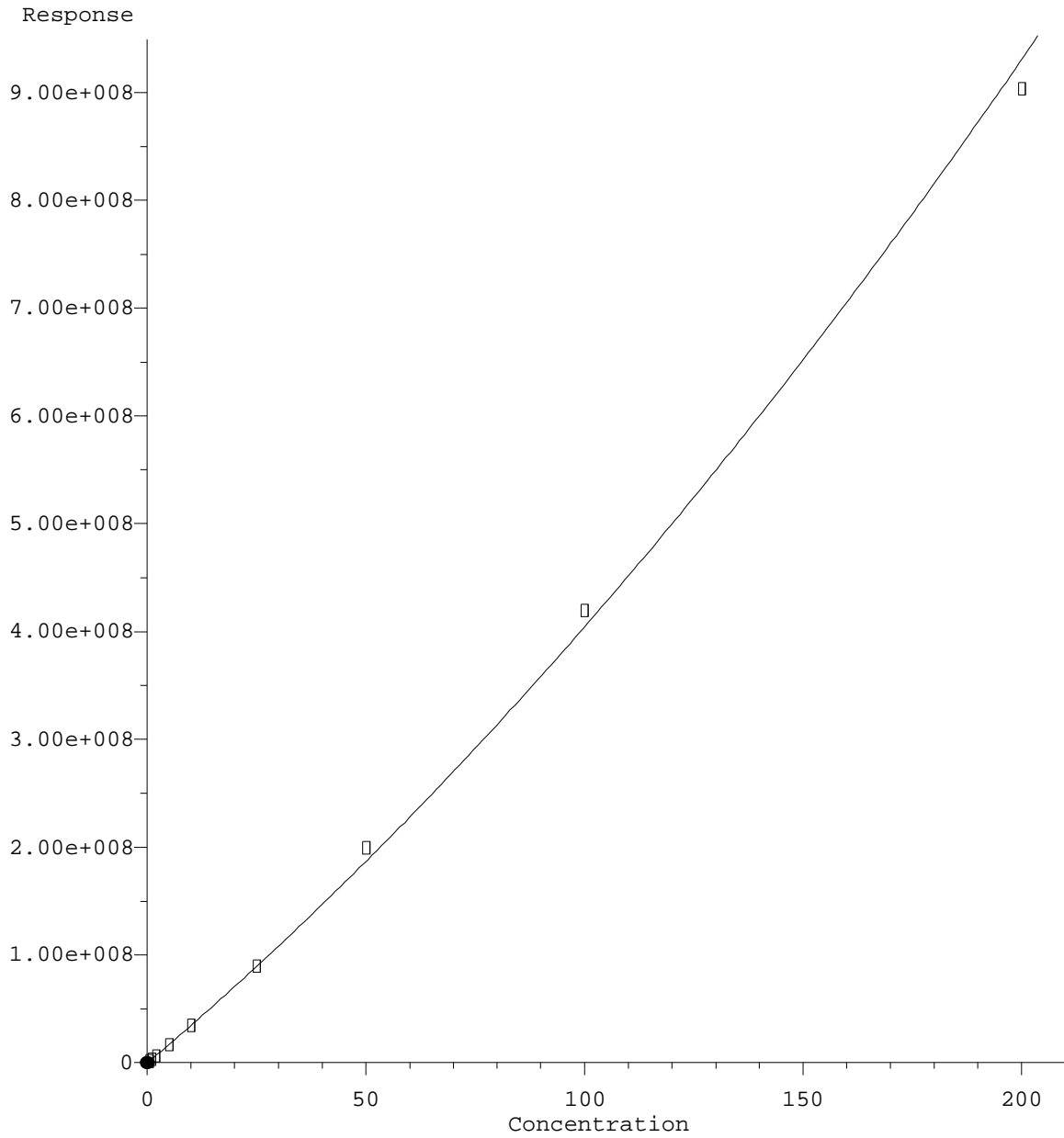


| Retention Time (min) | Concentration (ng/mL)  | Response |
|----------------------|------------------------|----------|
| (7) Aldrin           | 6.868min 0.524 ng/mL   | 2287325  |
| (7) Aldrin #2        | 7.630min 0.006 ng/mL m | 55294    |

*MJB 7/20/20*



4,4'-DDE #2

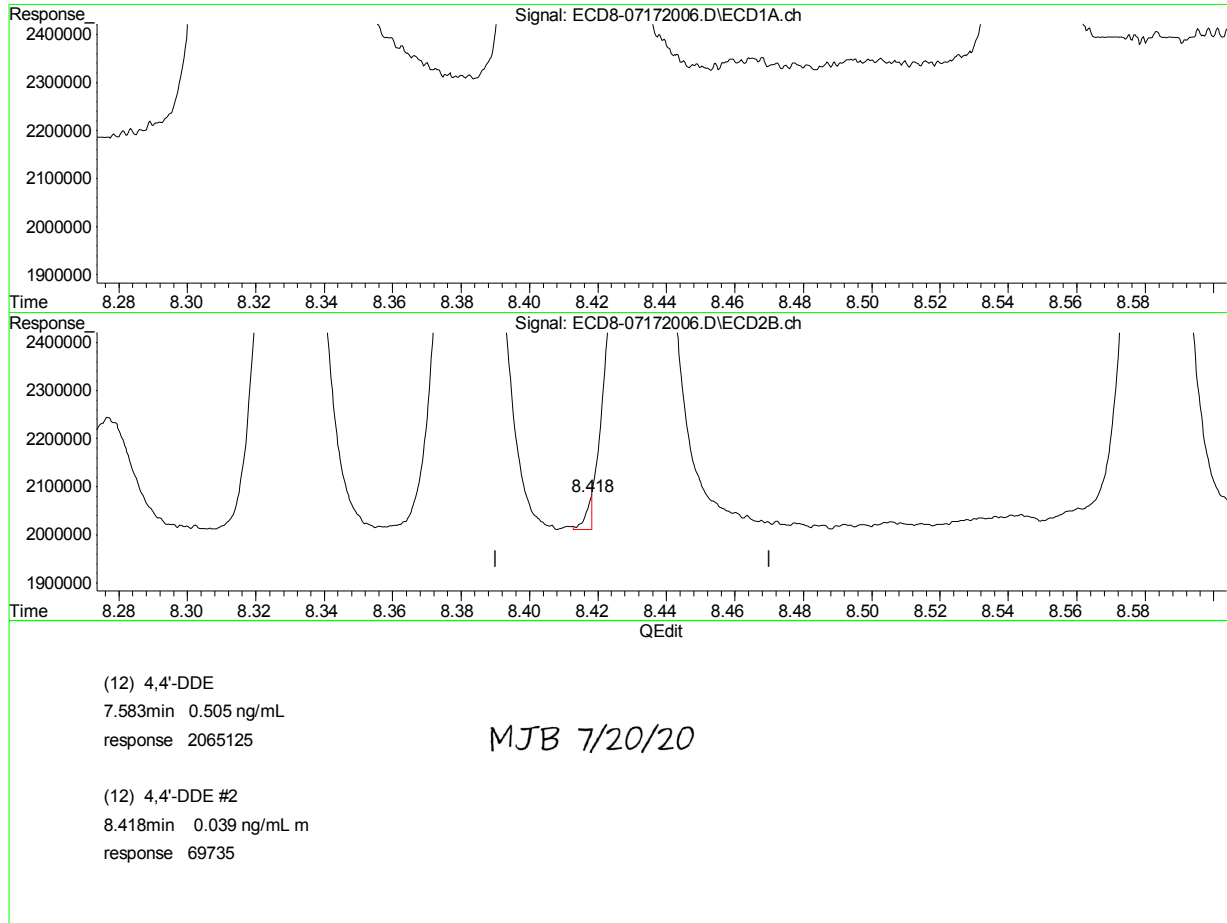


R = 6.12e+003 A\*A + 3.43e+006 A - 6.34e+004  
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

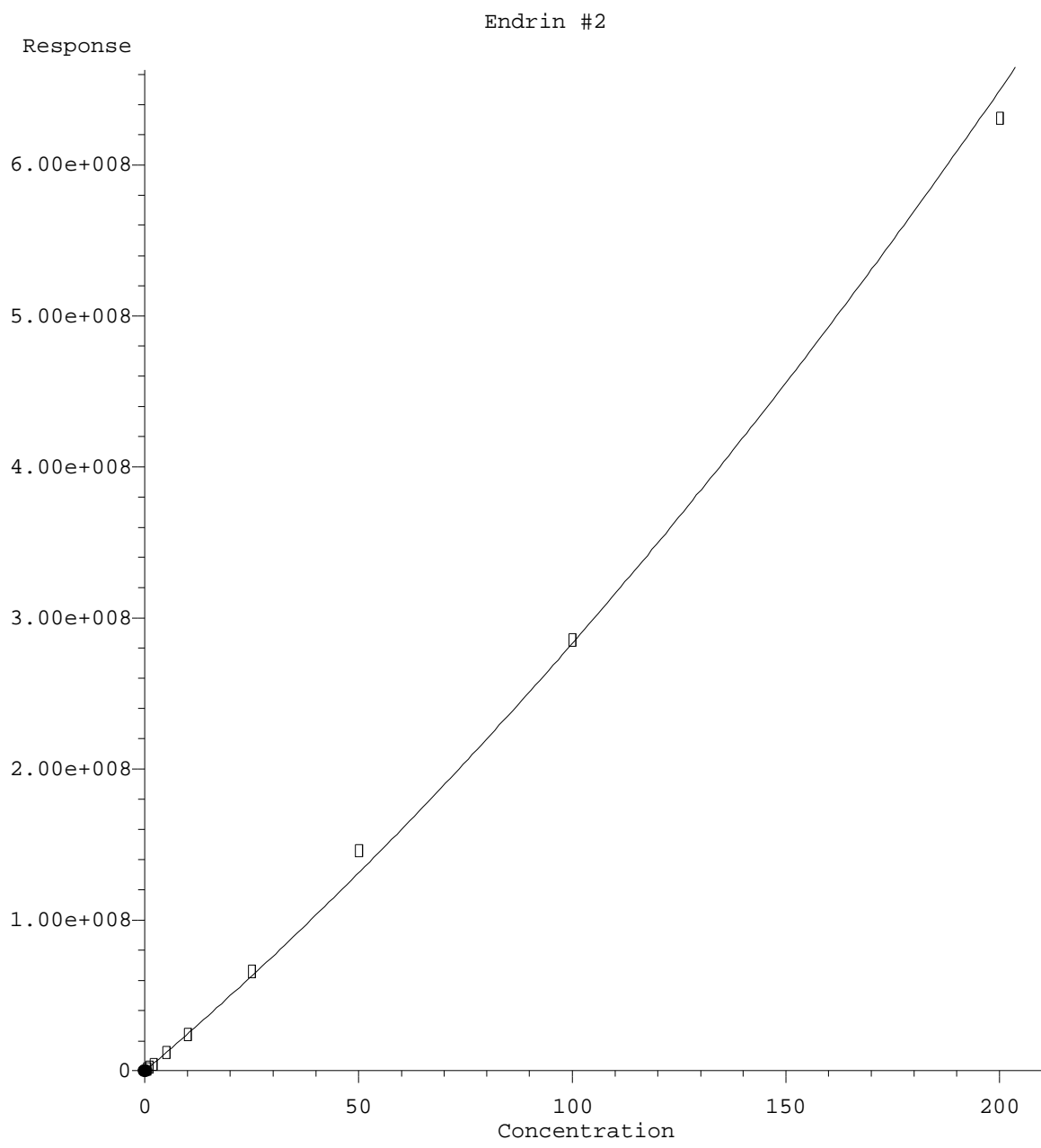
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:18:59 2020

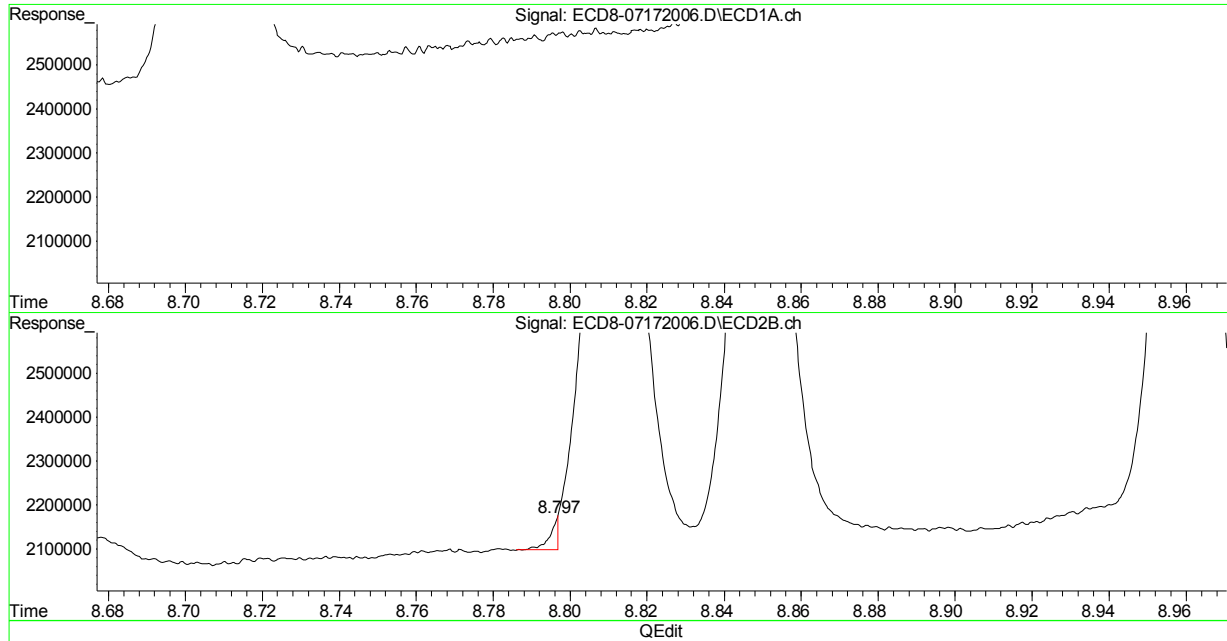


$R = 4.18e+003 A^2 + 2.41e+006 A + 8.32e+004$   
 Coef of Det ( $r^2$ ) = 0.994    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

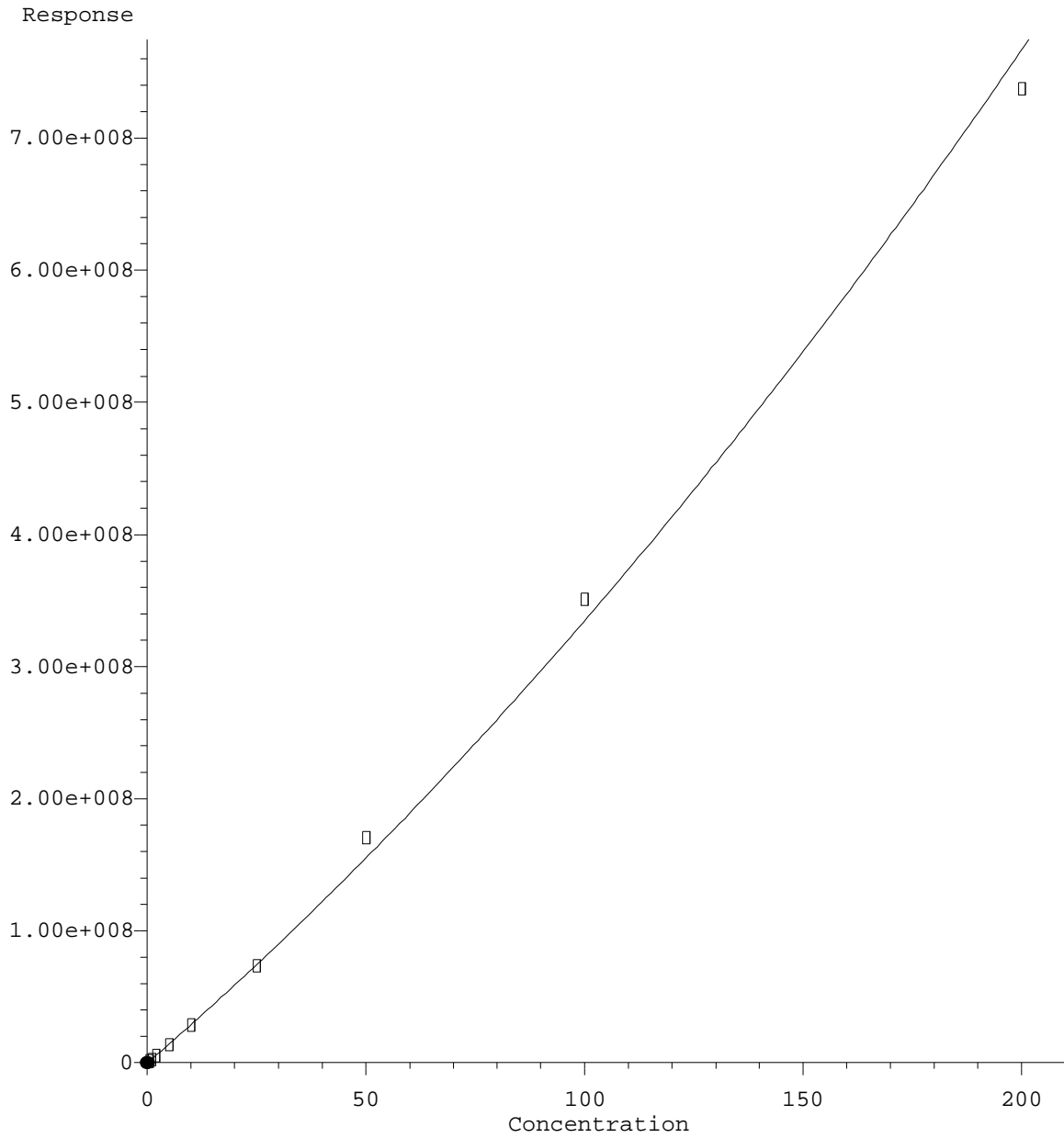


(14) Endrin  
7.956min 0.515 ng/mL  
response 1557812

MJB 7/20/20

(14) Endrin #2  
8.797min -0.004 ng/mL m  
response 74338

4,4'-DDD #2

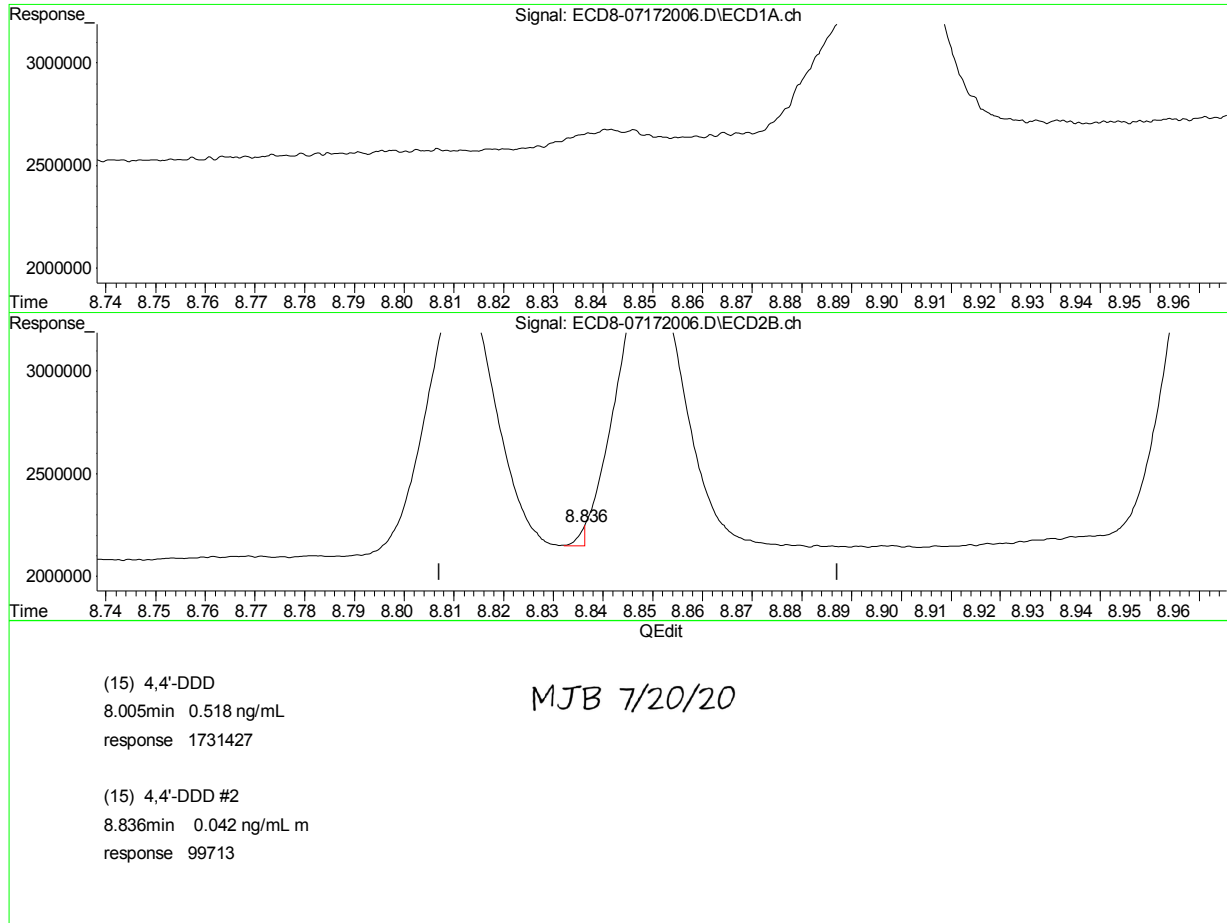


R = 4.89e+003 A\*A + 2.86e+006 A - 2.09e+004  
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

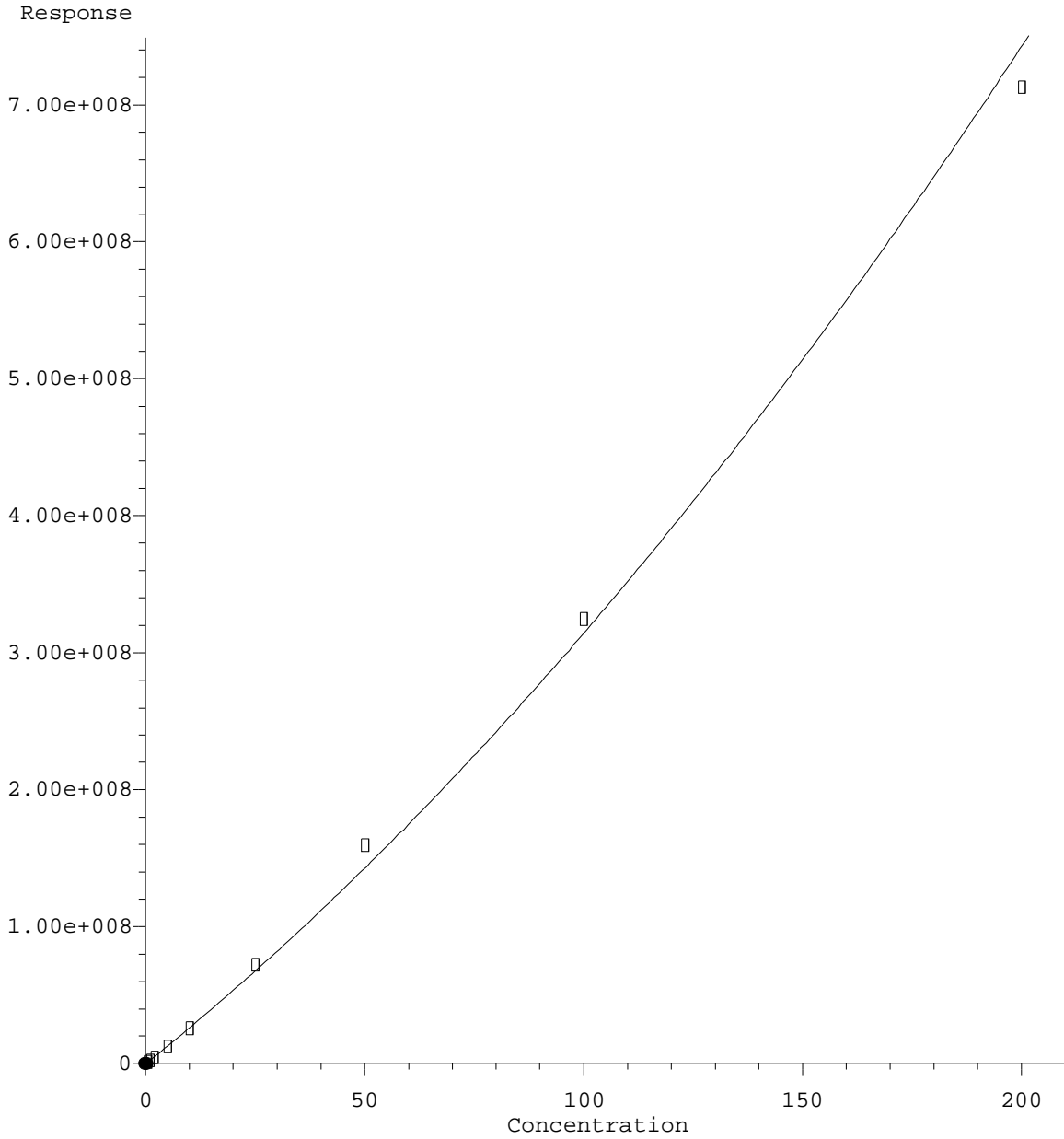
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:19:26 2020

4,4'-DDT #2

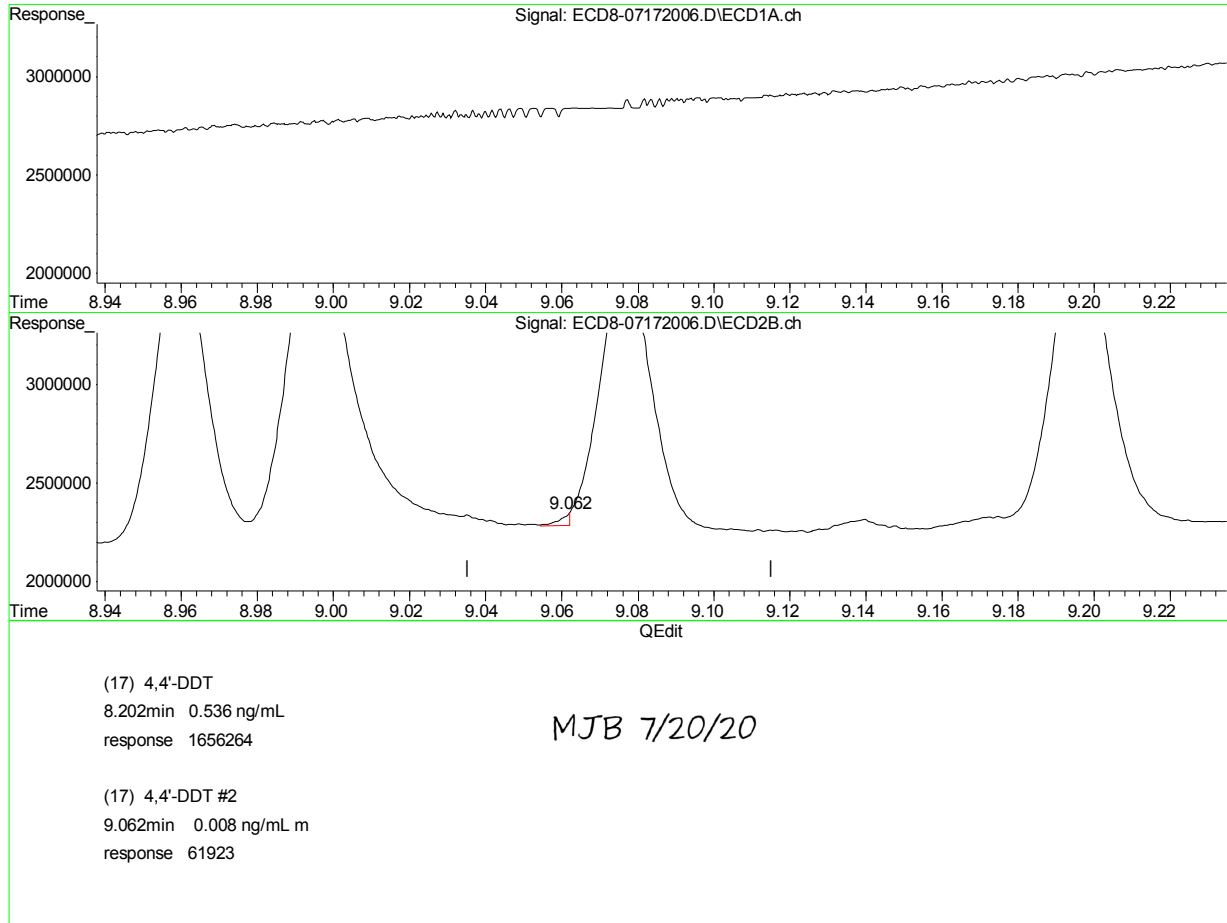


$R = 5.73e+003 A^2 + 2.57e+006 A + 4.08e+004$   
Coef of Det ( $r^2$ ) = 0.993 Curve Fit: Quadratic w( $1/a^2$ )  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

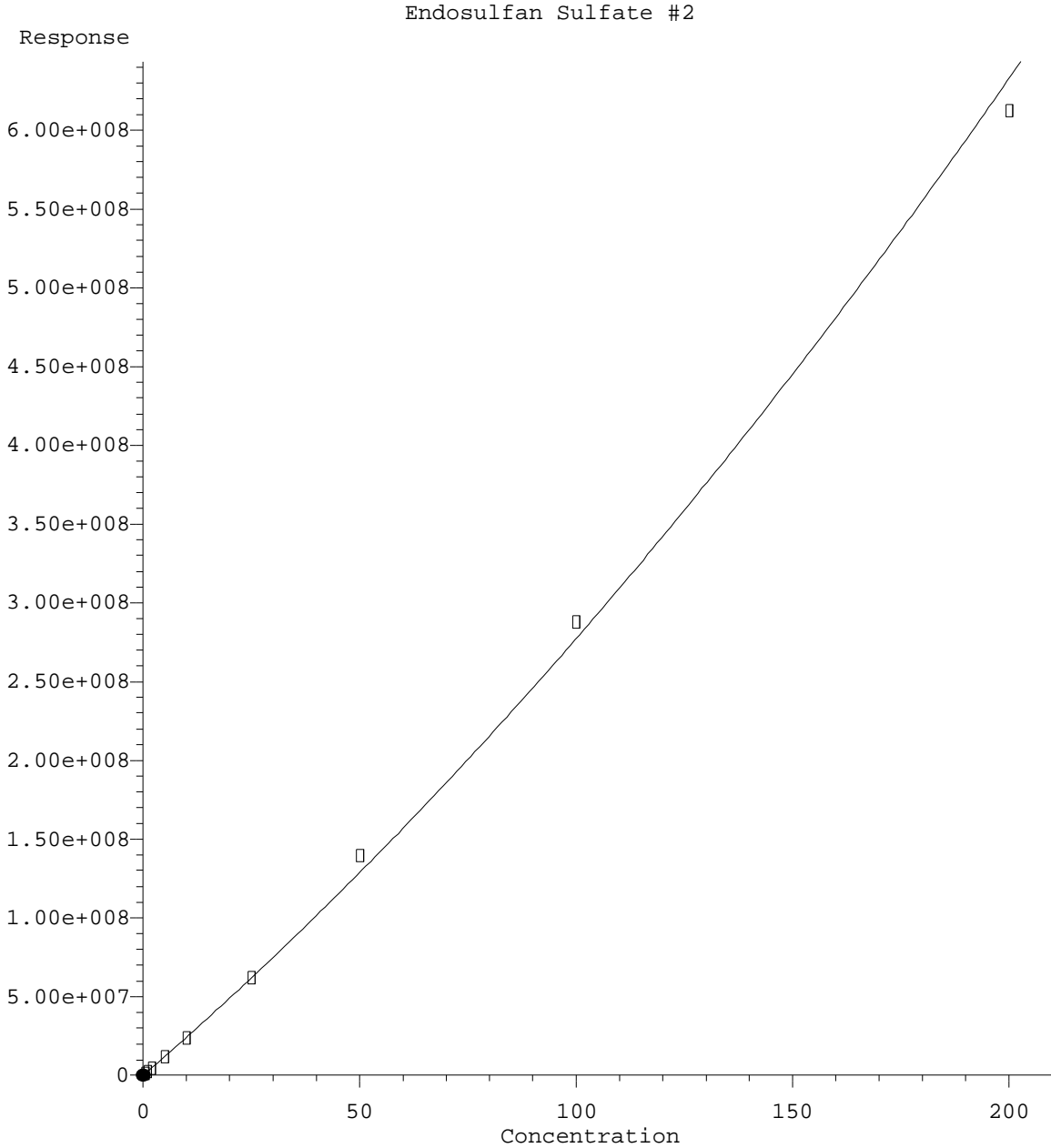
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:19:37 2020



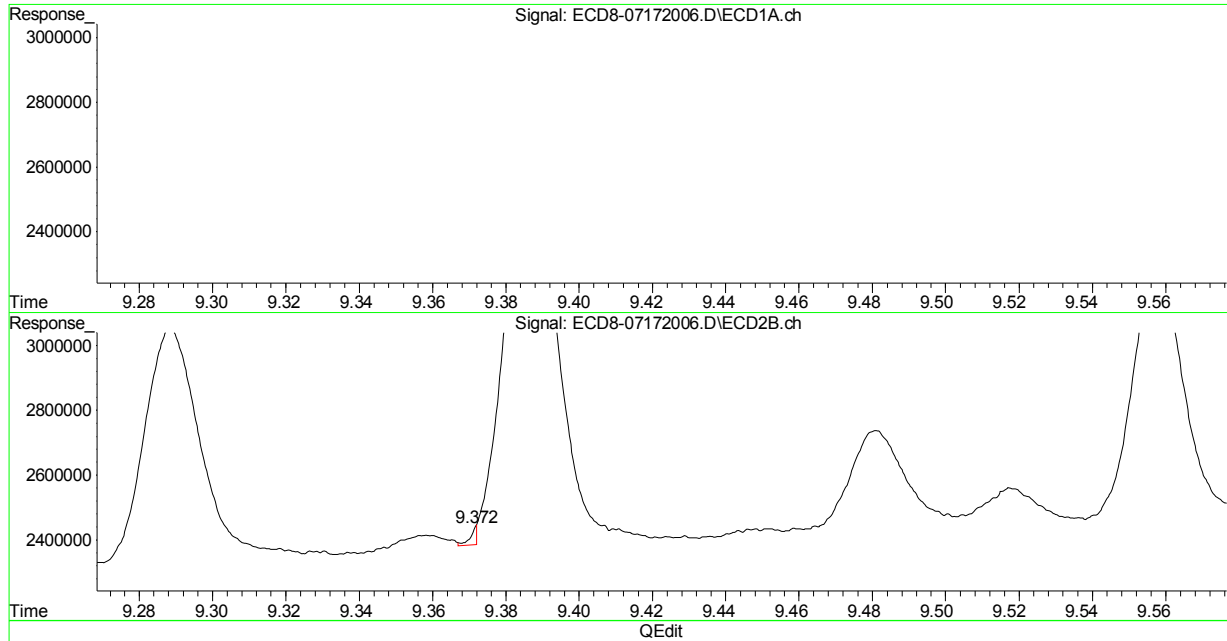


$R = 3.94e+003 A^2 + 2.38e+006 A + 1.14e+005$   
 Coef of Det ( $r^2$ ) = 0.998    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

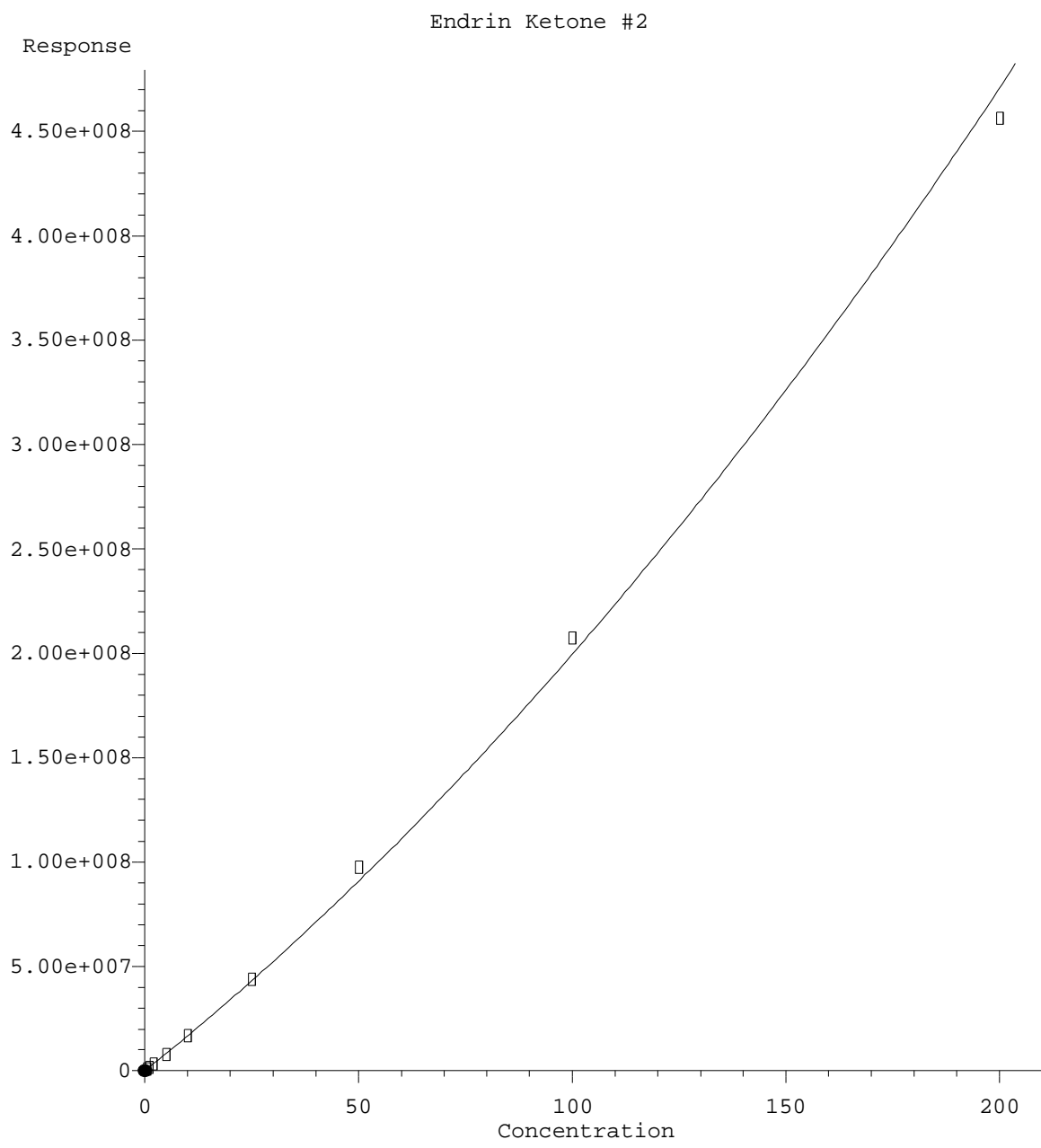
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(19) Endosulfan Sulfate  
8.706min 0.525 ng/mL  
response 1519491

MJB 7/20/20

(19) Endosulfan Sulfate #2  
9.372min -0.025 ng/mL m  
response 55367

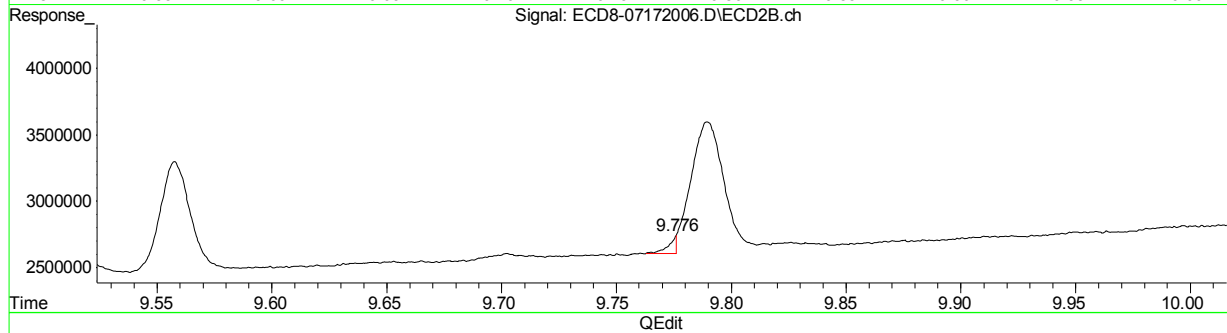
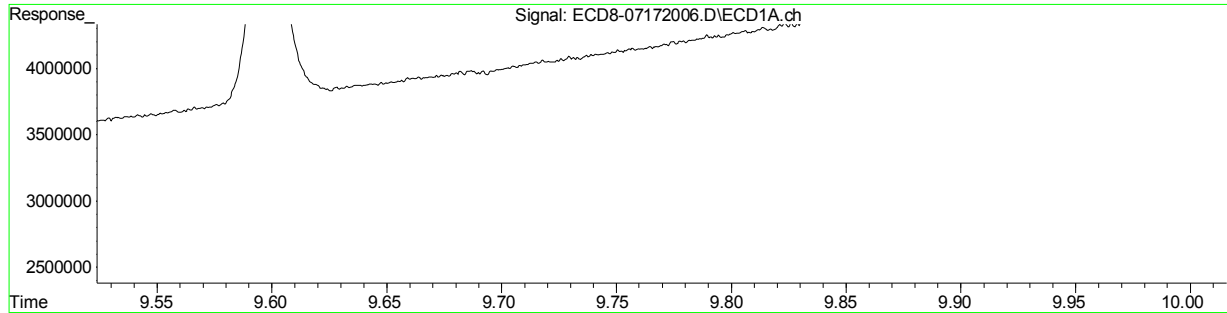


$R = 3.60e+003 A^2 + 1.63e+006 A + 1.79e+005$   
 Coef of Det ( $r^2$ ) = 0.998    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

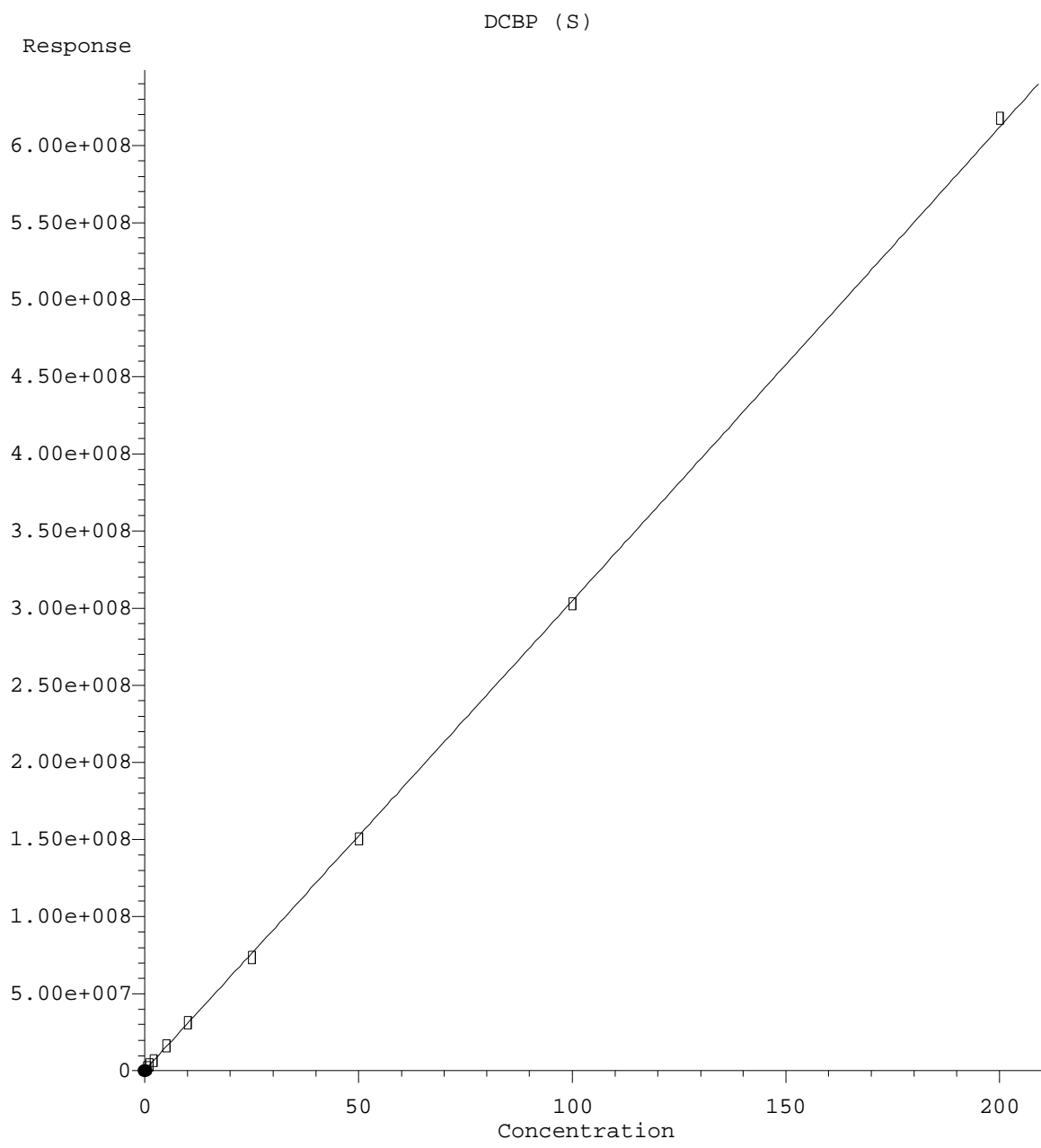
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(21) Endrin Ketone  
8.899min 0.590 ng/mL  
response 1364571

MJB 7/20/20

(21) Endrin Ketone #2  
9.776min -0.032 ng/mL m  
response 126671

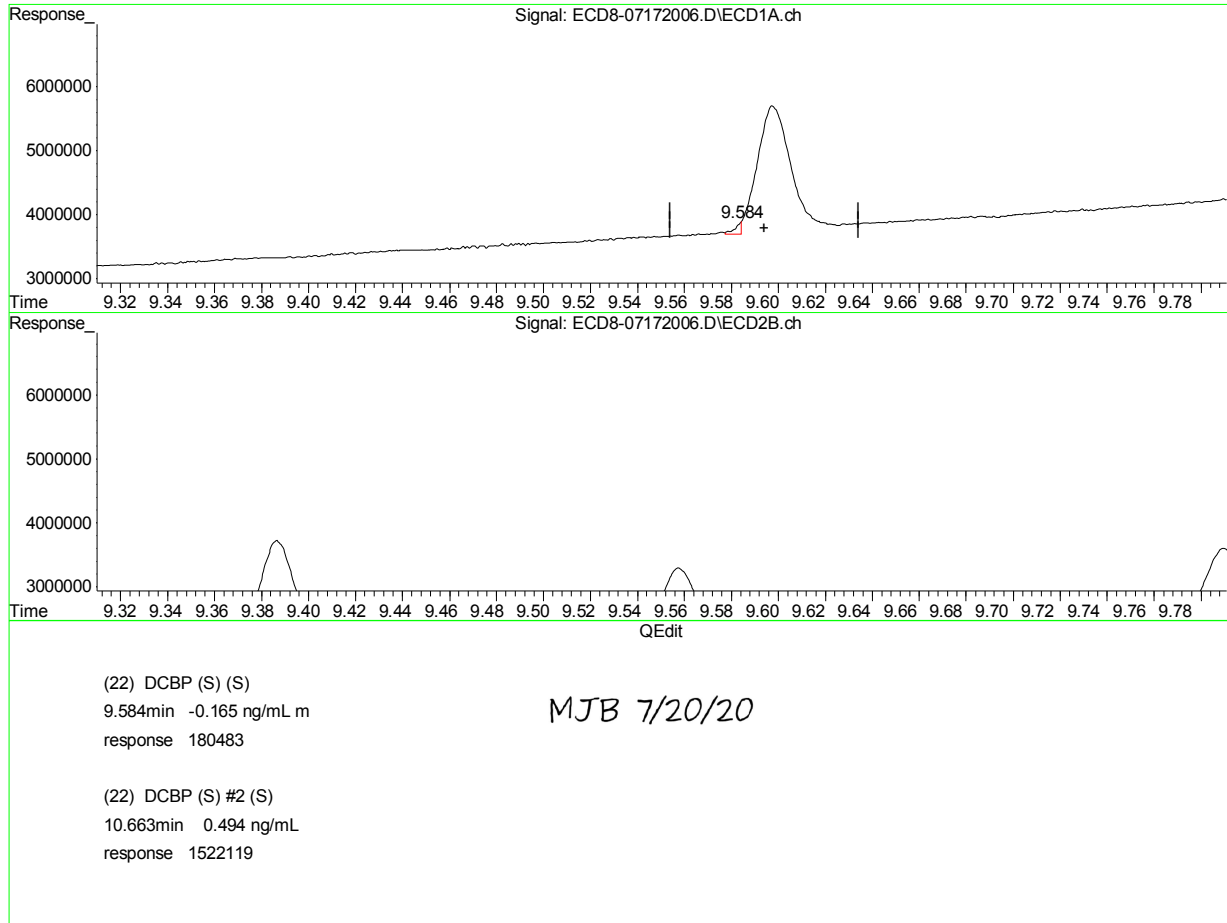


$R = 1.62e+002 A^2 + 3.02e+006 A + 6.81e+005$   
 Coef of Det ( $r^2$ ) = 1.000    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

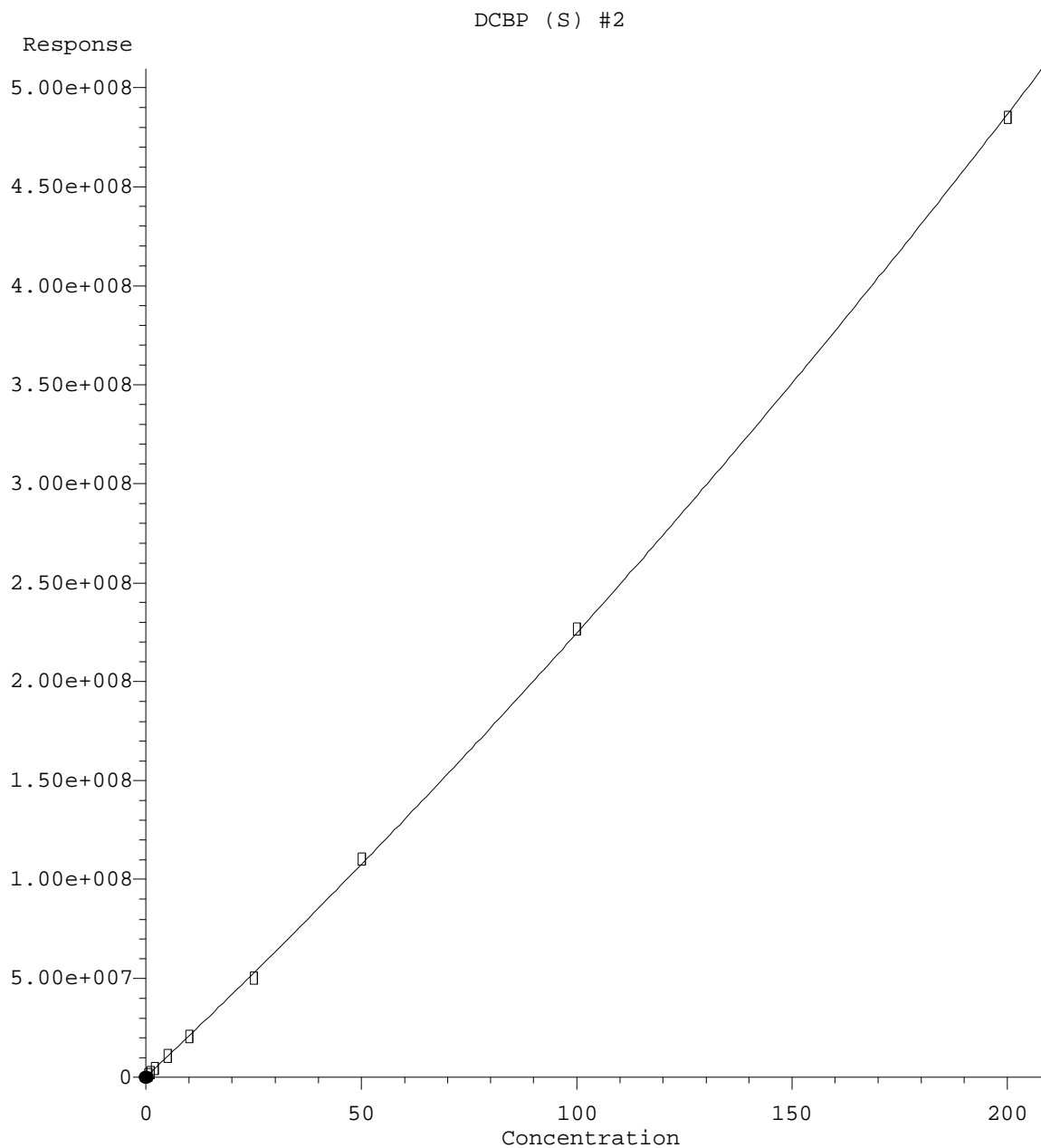
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:20:11 2020

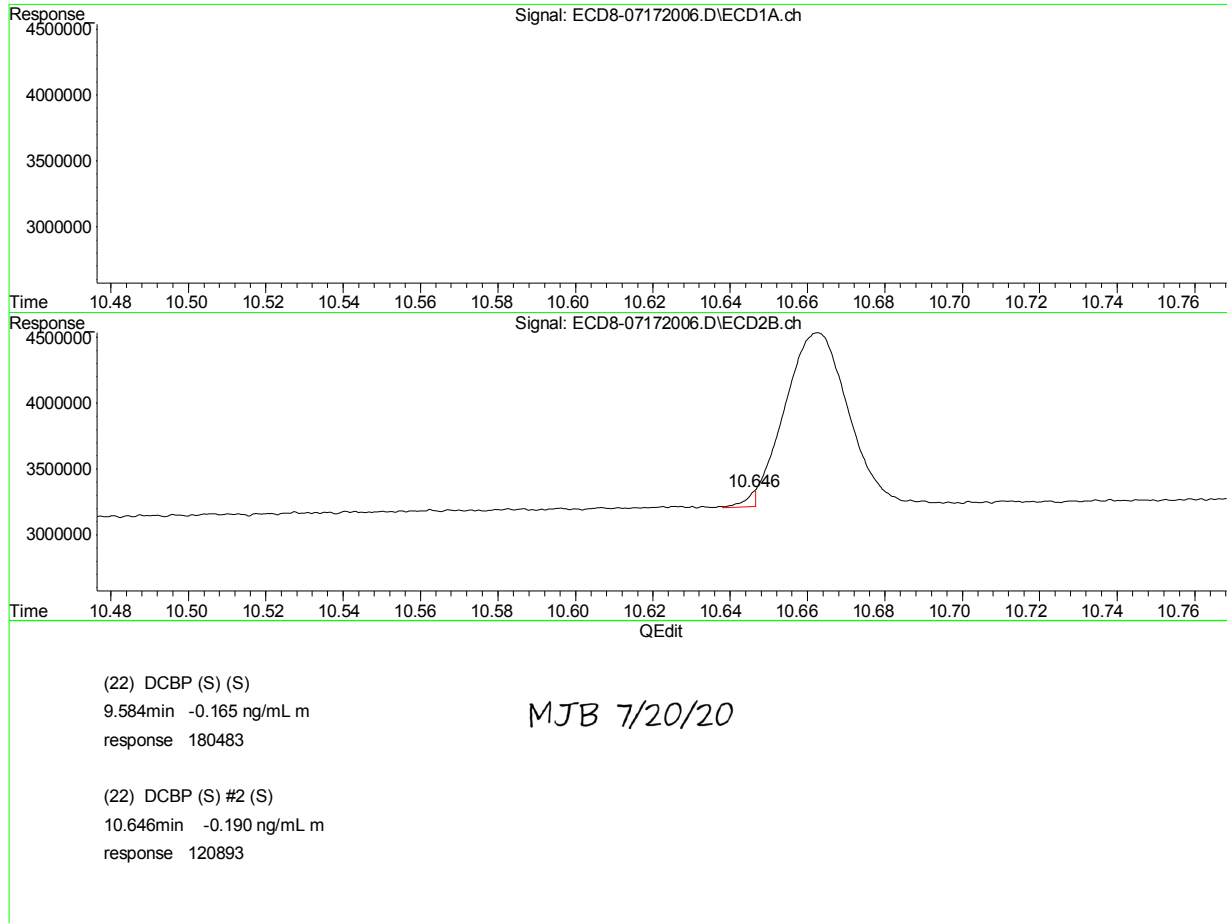


$R = 1.92e+003 A^2 + 2.05e+006 A + 5.10e+005$   
 Coef of Det ( $r^2$ ) = 0.999 Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

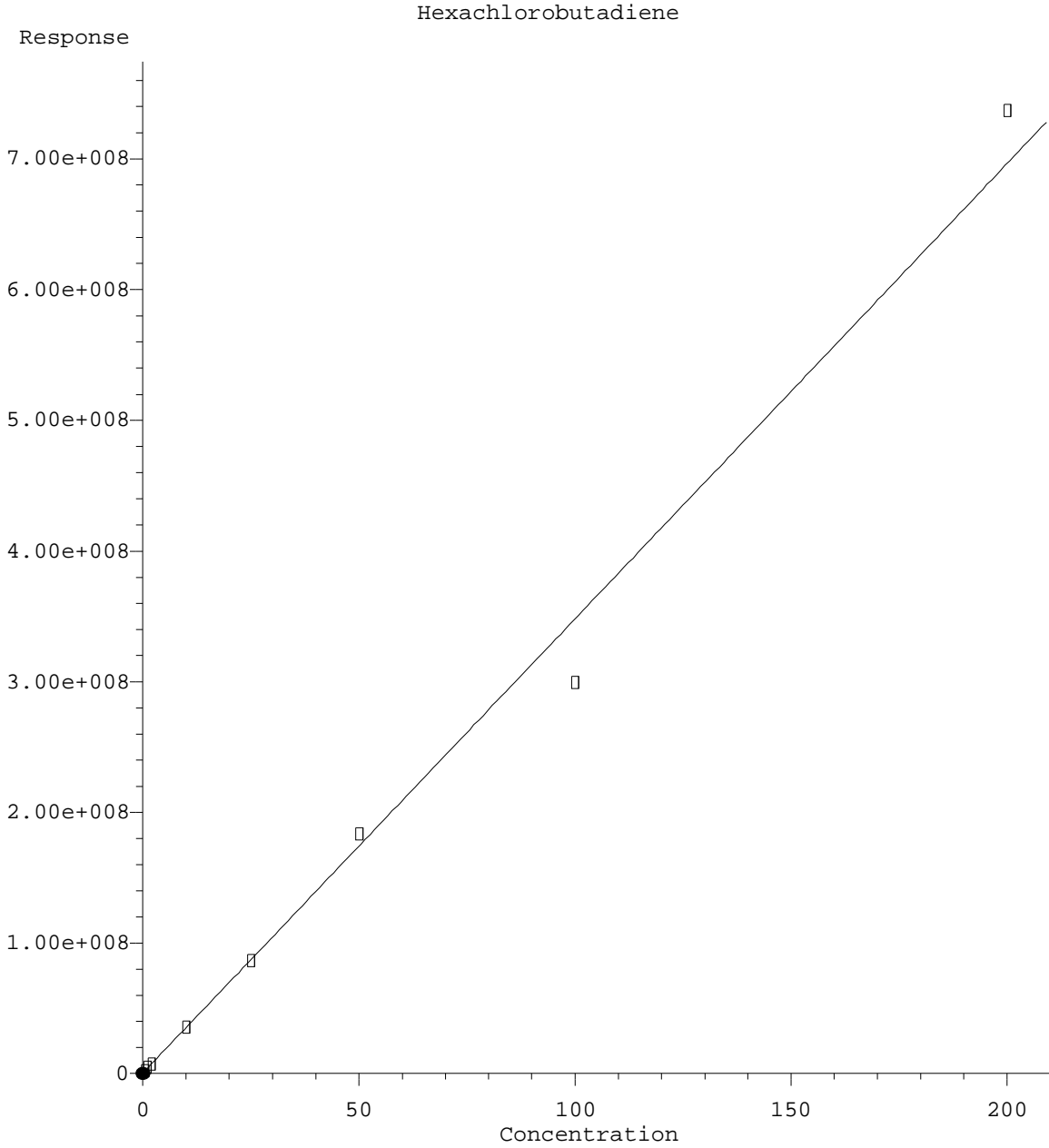
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:20:22 2020

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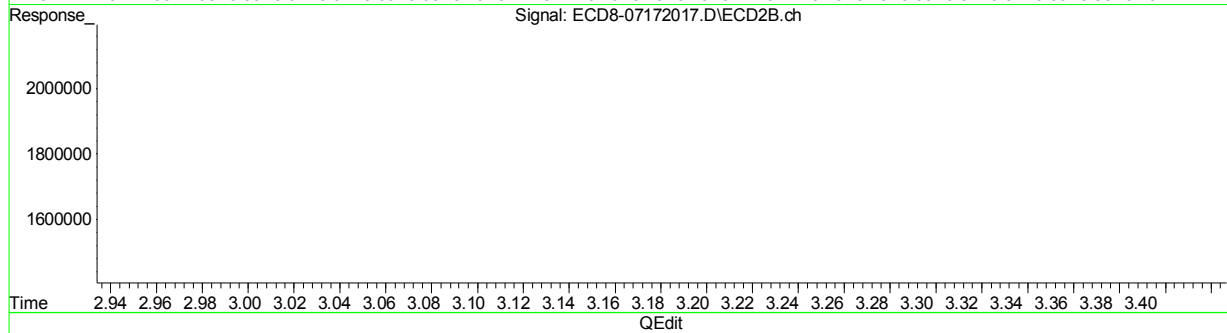
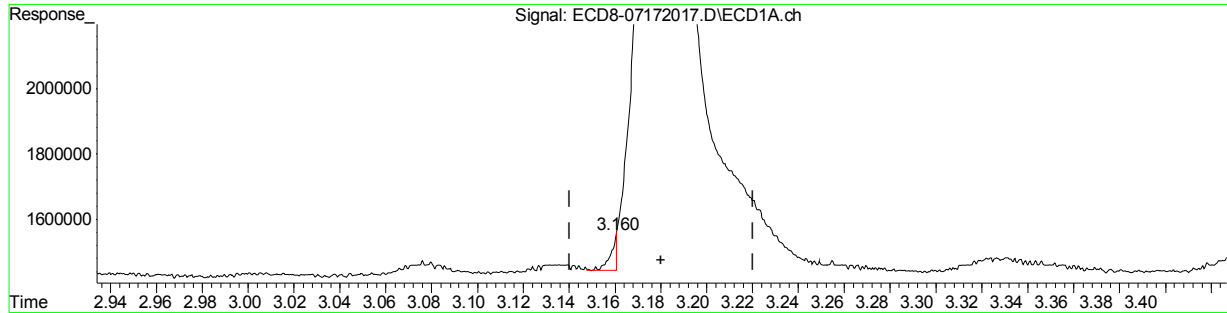


$R = 7.80e+001 A^2 + 3.46e+006 A + 8.02e+005$   
Coef of Det ( $r^2$ ) = 0.992 Curve Fit: Quadratic w(1/a<sup>2</sup>)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



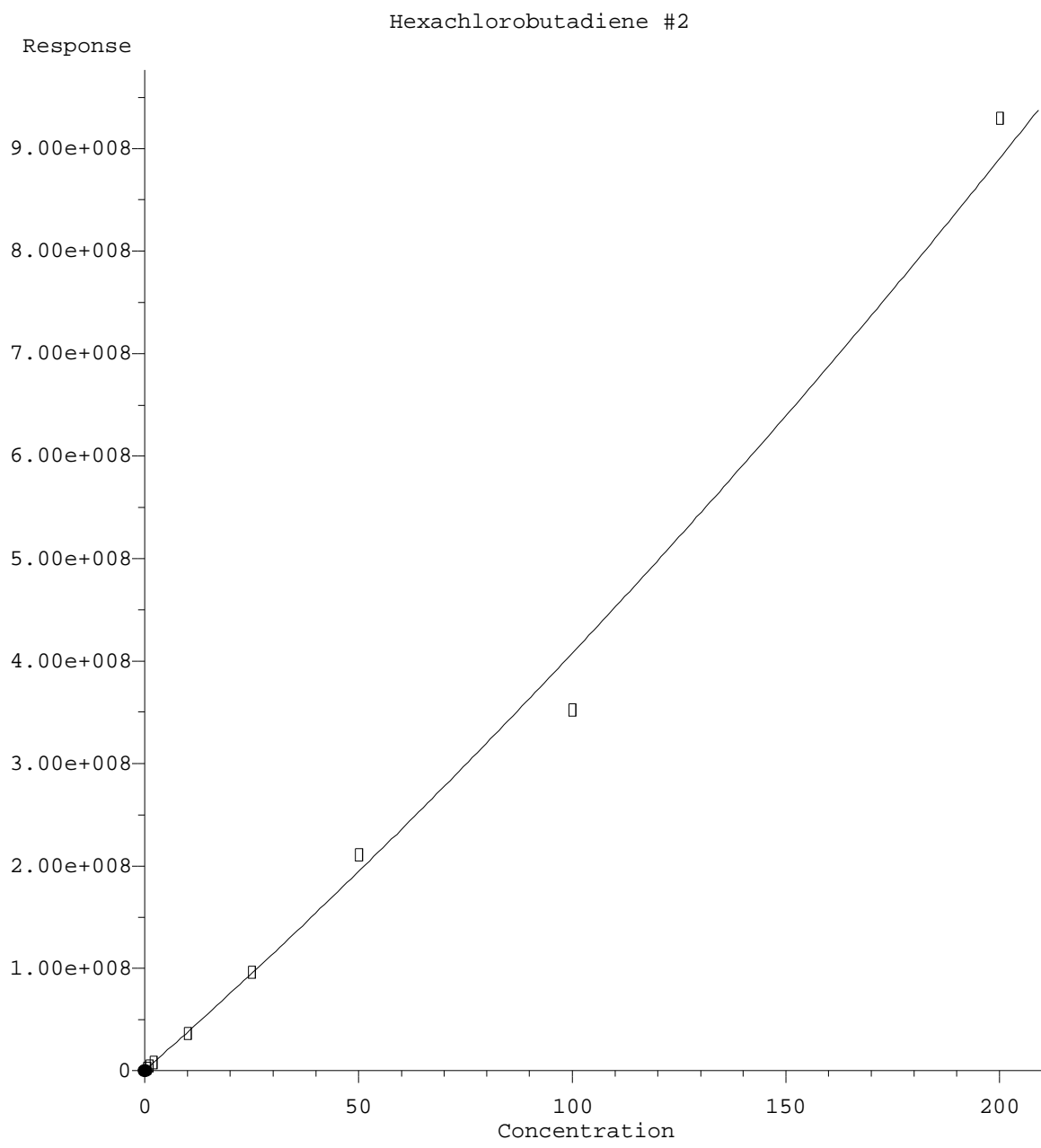
(23) Hexachlorobutadiene  
3.160min -0.200 ng/mL m  
response 107615

MJB 7/20/20

(23) Hexachlorobutadiene #2  
3.775min 0.479 ng/mL  
response 2610849

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:20:47 2020

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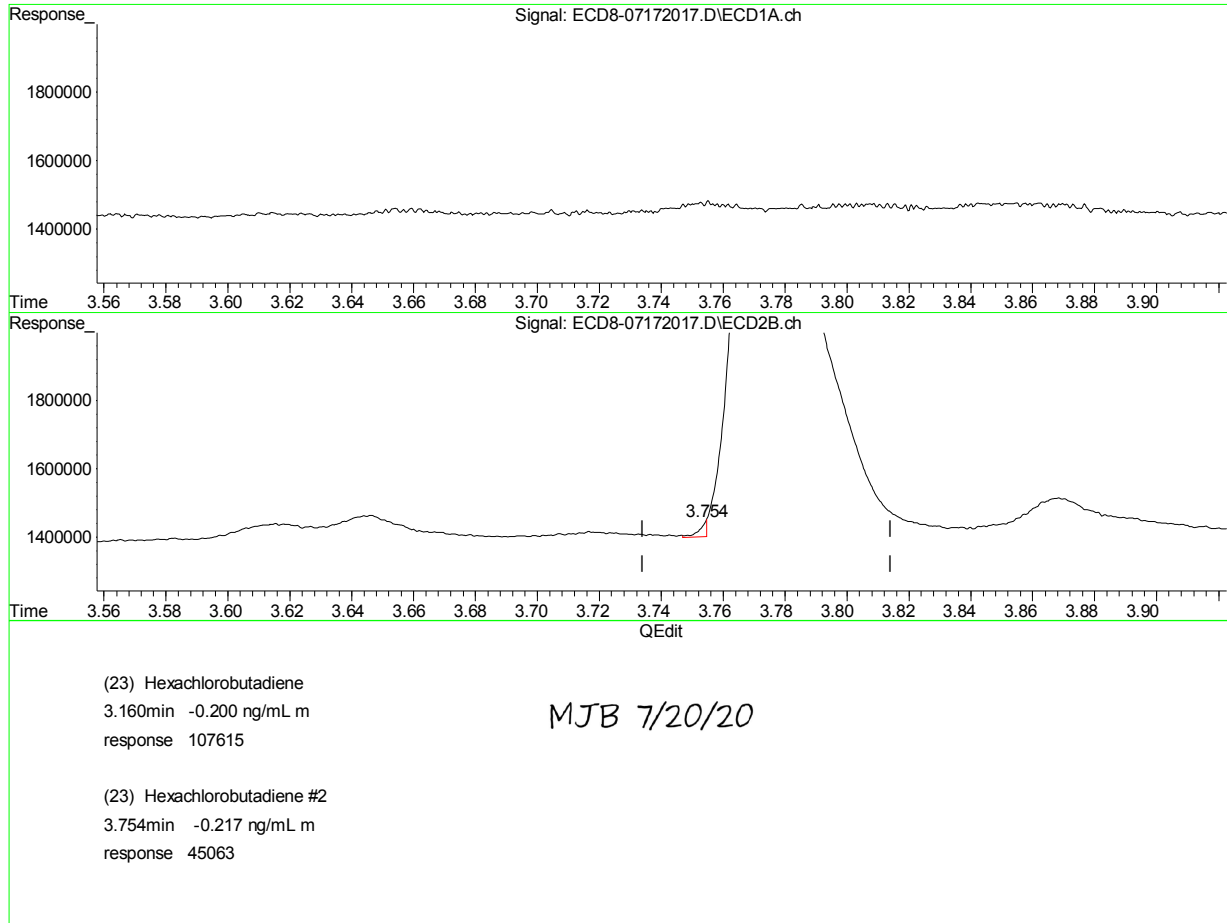


$R = 3.82e+003 A^2 + 3.69e+006 A + 8.44e+005$   
 Coef of Det ( $r^2$ ) = 0.993    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

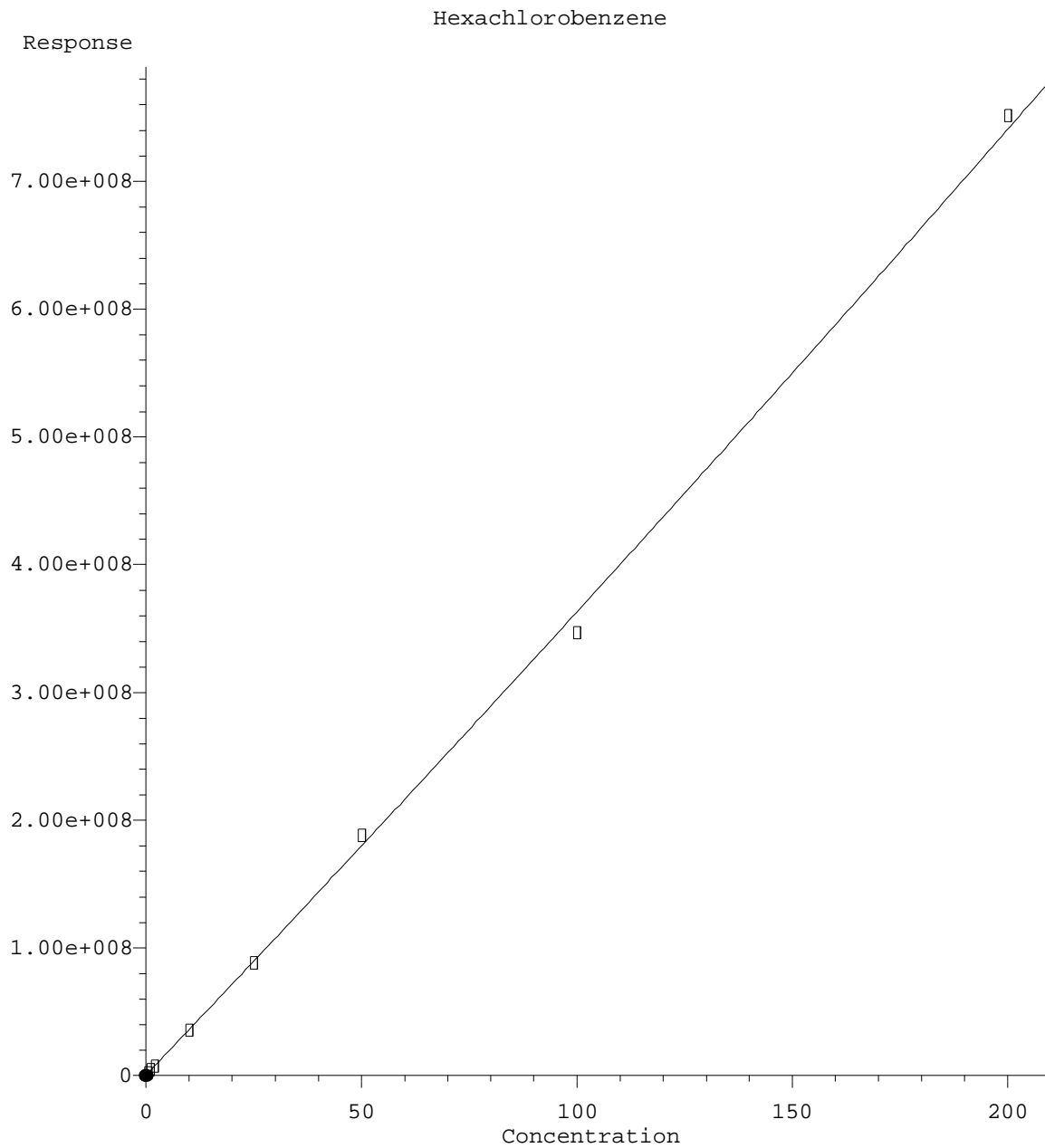
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:20:54 2020

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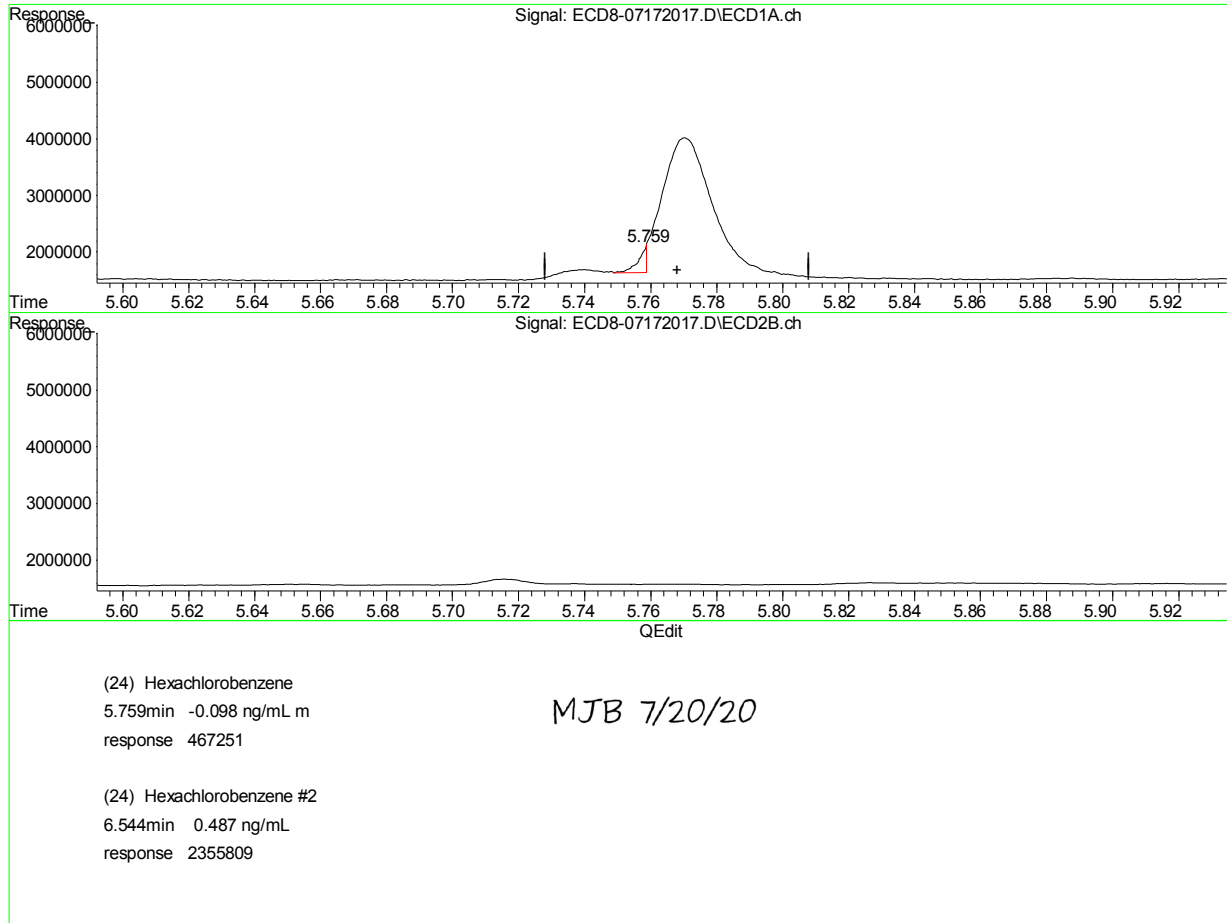


$R = 7.91e+002 A^2 + 3.54e+006 A + 8.16e+005$   
Coef of Det ( $r^2$ ) = 0.997 Curve Fit: Quadratic w( $1/a^2$ )  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

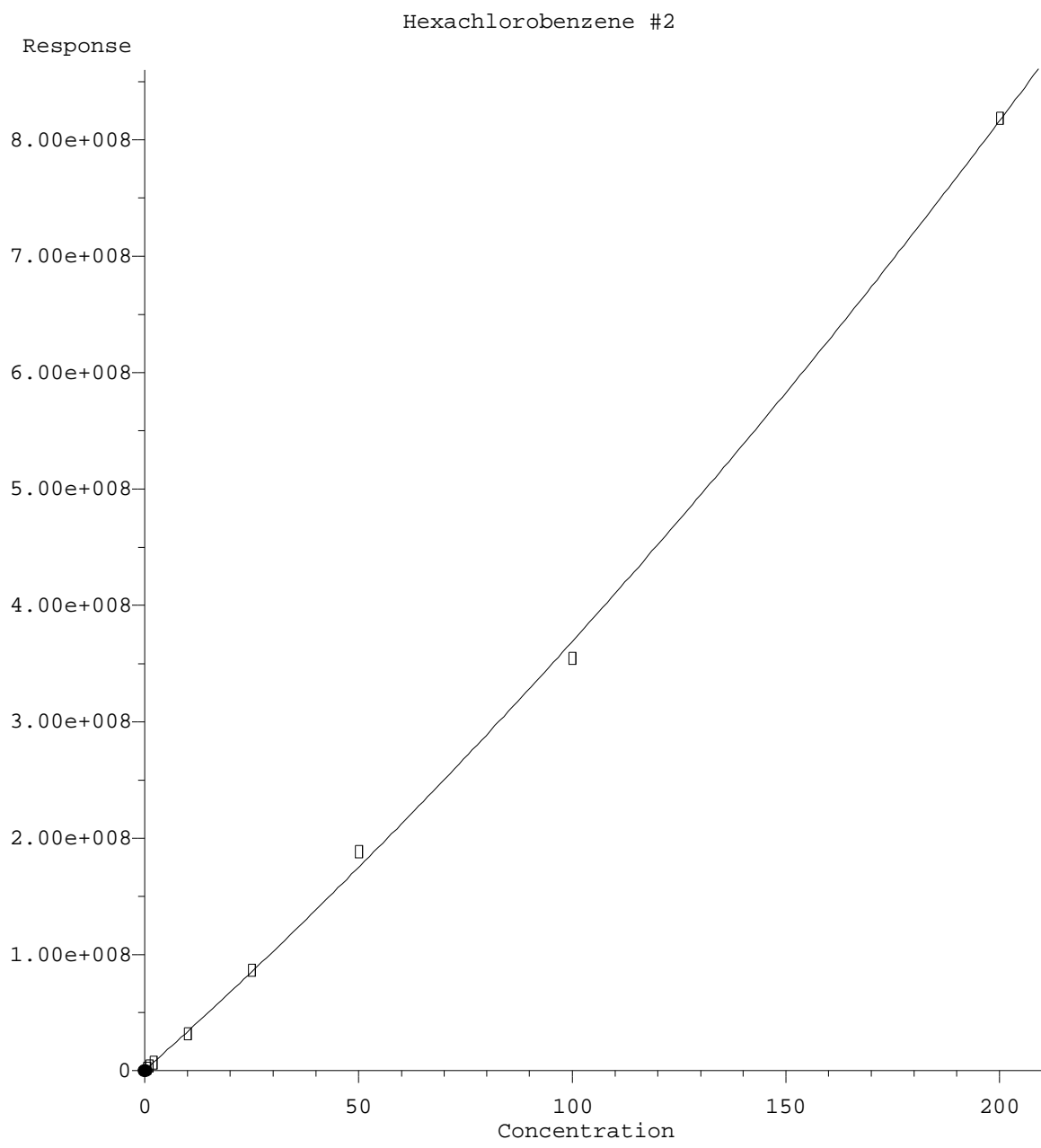
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:21:03 2020

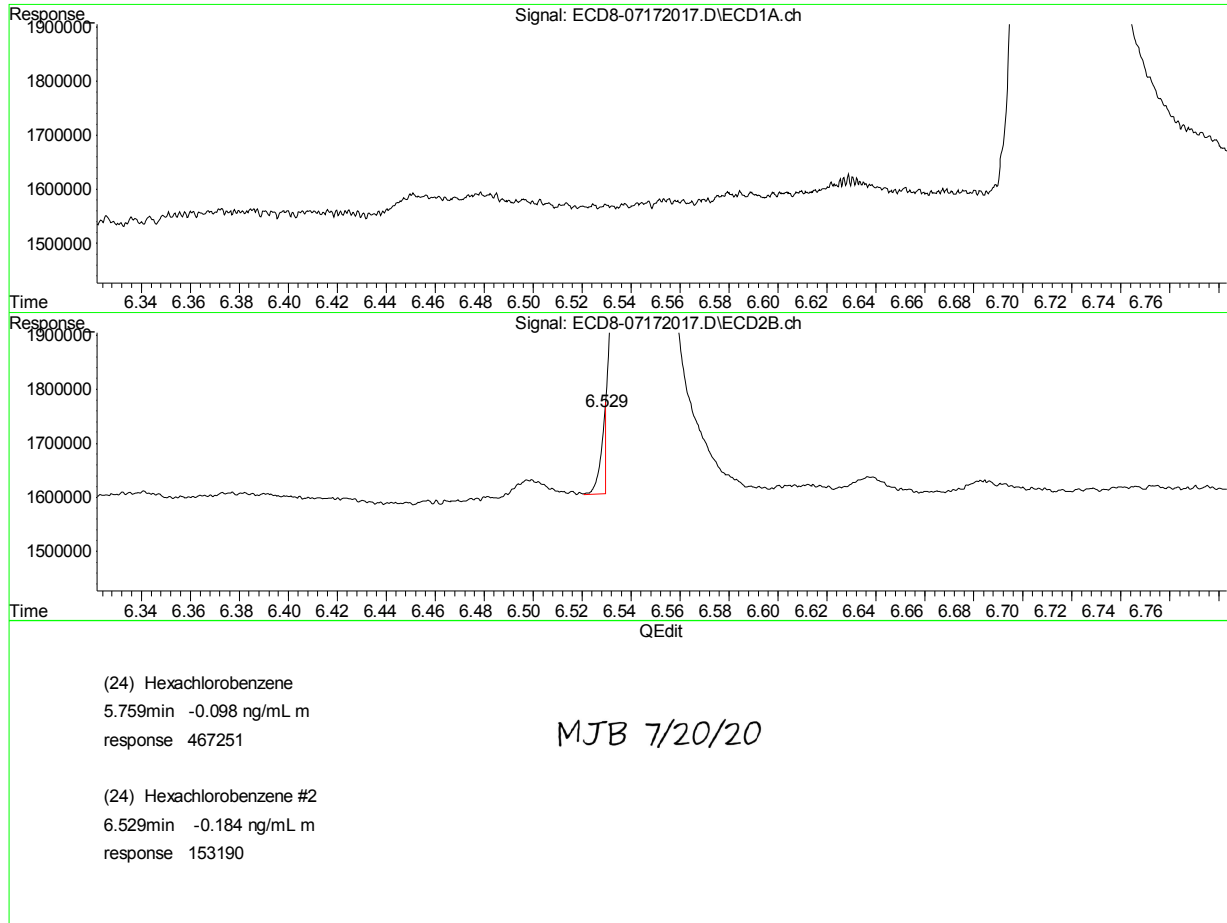


$R = 3.98e+003 A^2 + 3.28e+006 A + 7.56e+005$   
 Coef of Det ( $r^2$ ) = 0.996    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

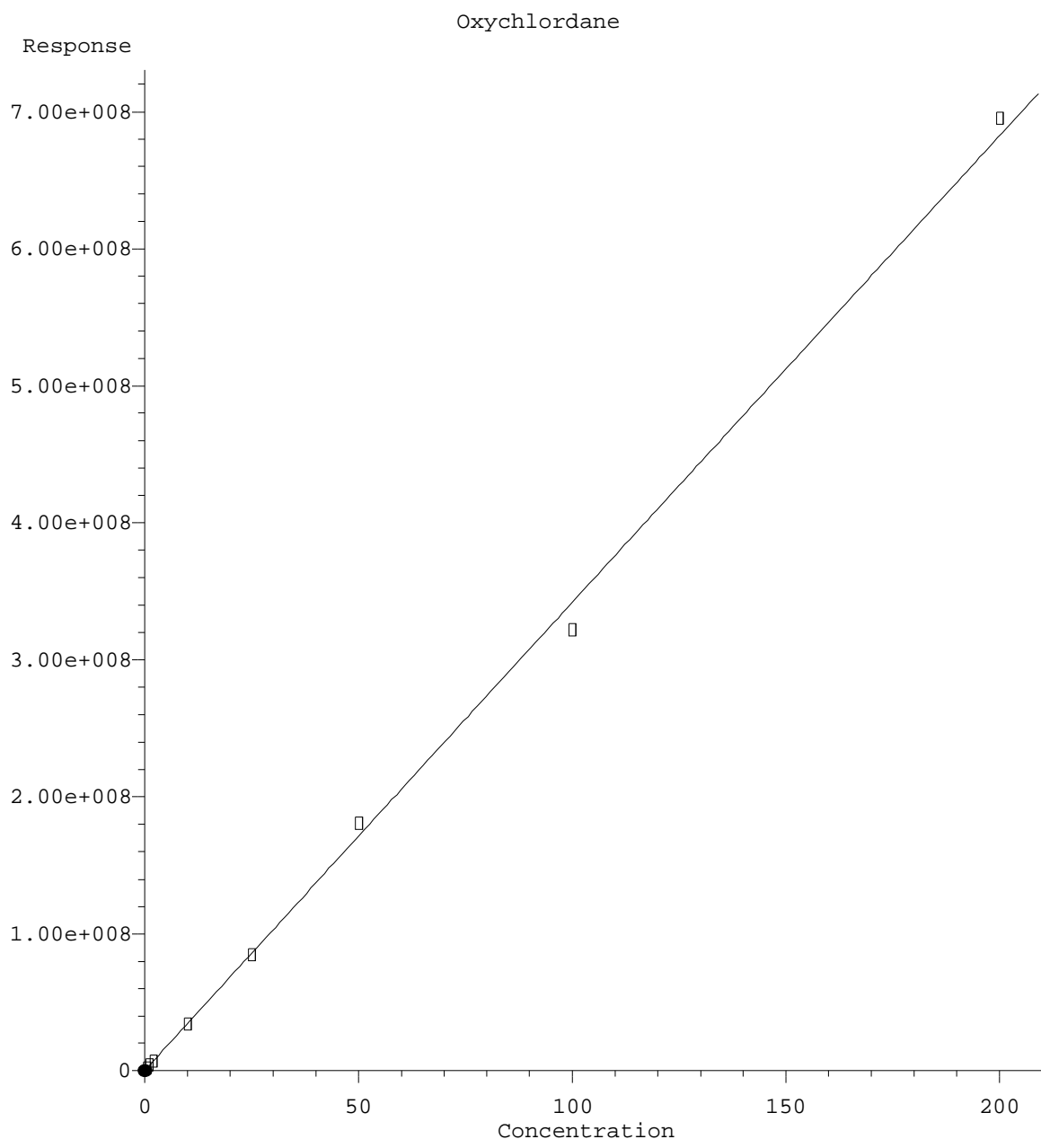
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:21:12 2020



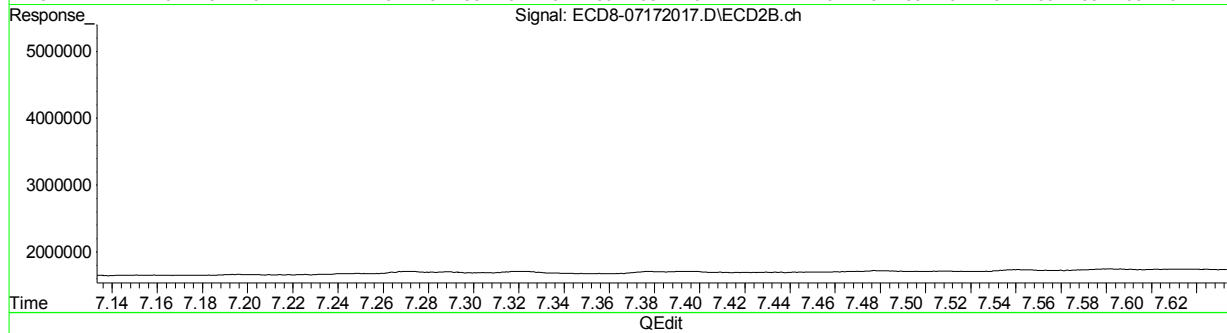
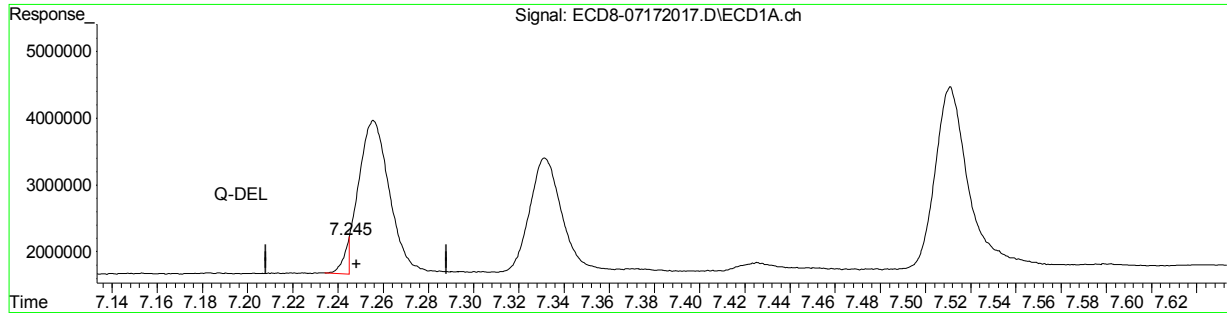


$R = -3.27e+001 A^2 + 3.42e+006 A + 6.30e+005$   
 Coef of Det ( $r^2$ ) = 0.997    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

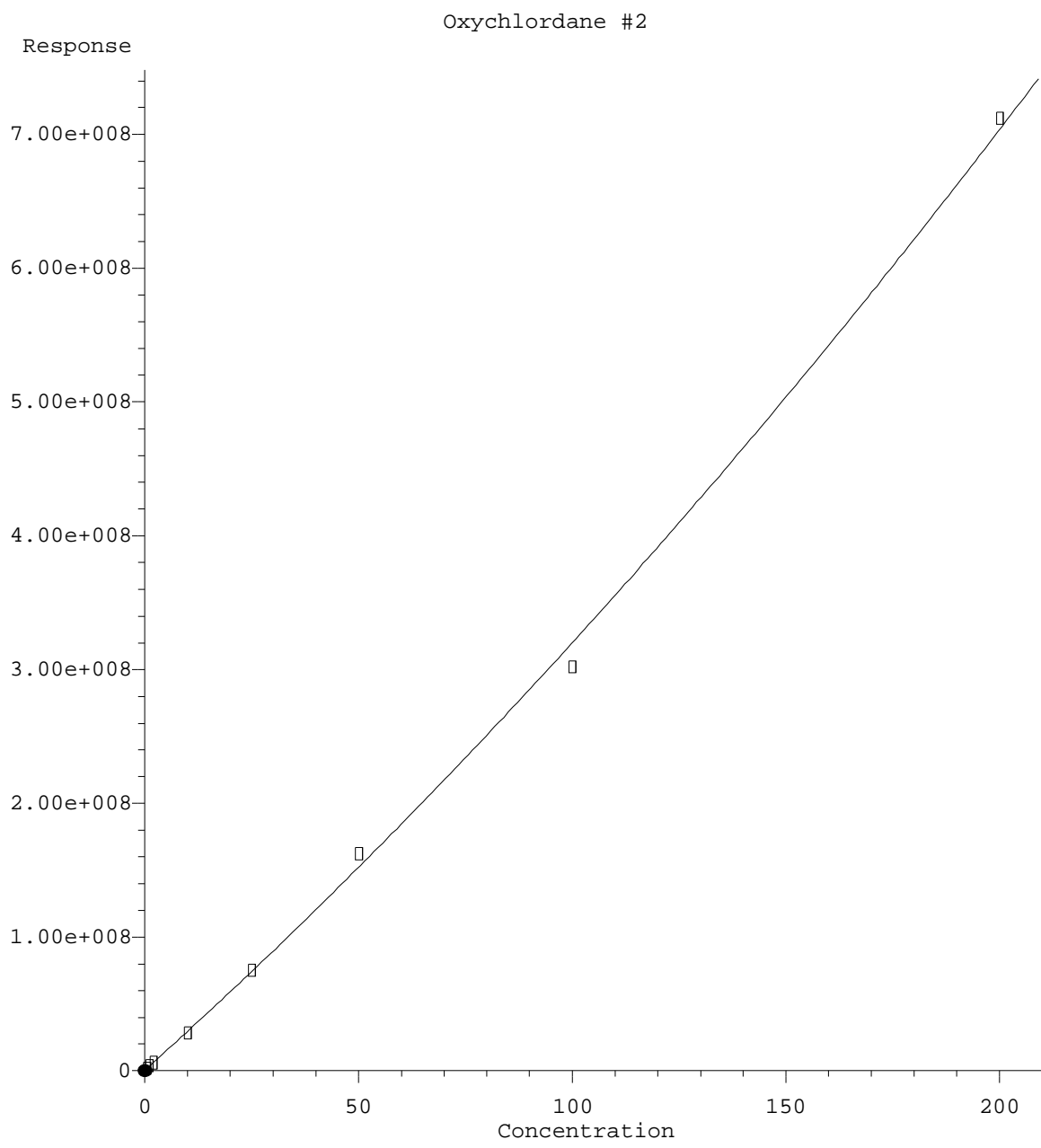
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(25) Oxychlordane  
~~7.245min 104477.406 ng/mL m-~~  
response ~~534384~~

MJB 7/20/20

(25) Oxychlordane #2  
8.010min 0.484 ng/mL  
response 2071594

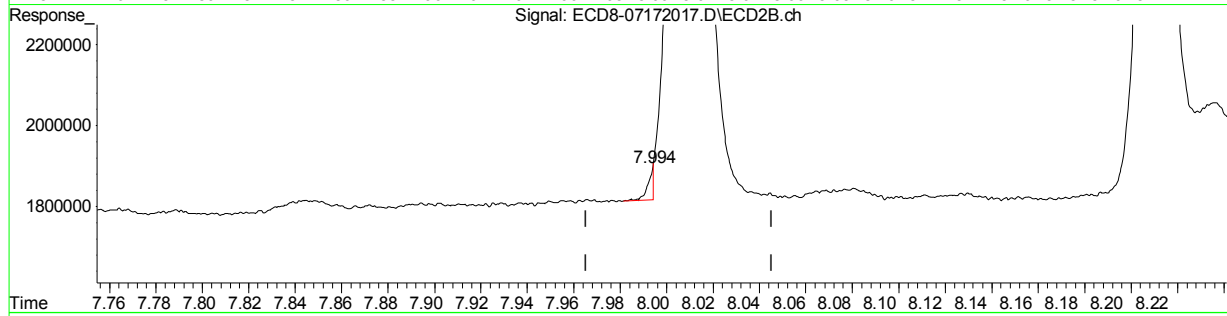
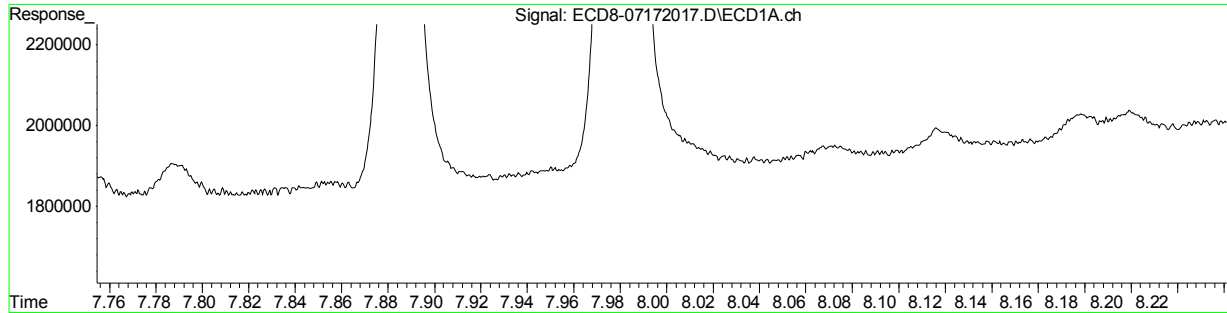


$R = 3.23e+003 A^2 + 2.87e+006 A + 6.82e+005$   
 Coef of Det ( $r^2$ ) = 0.996    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

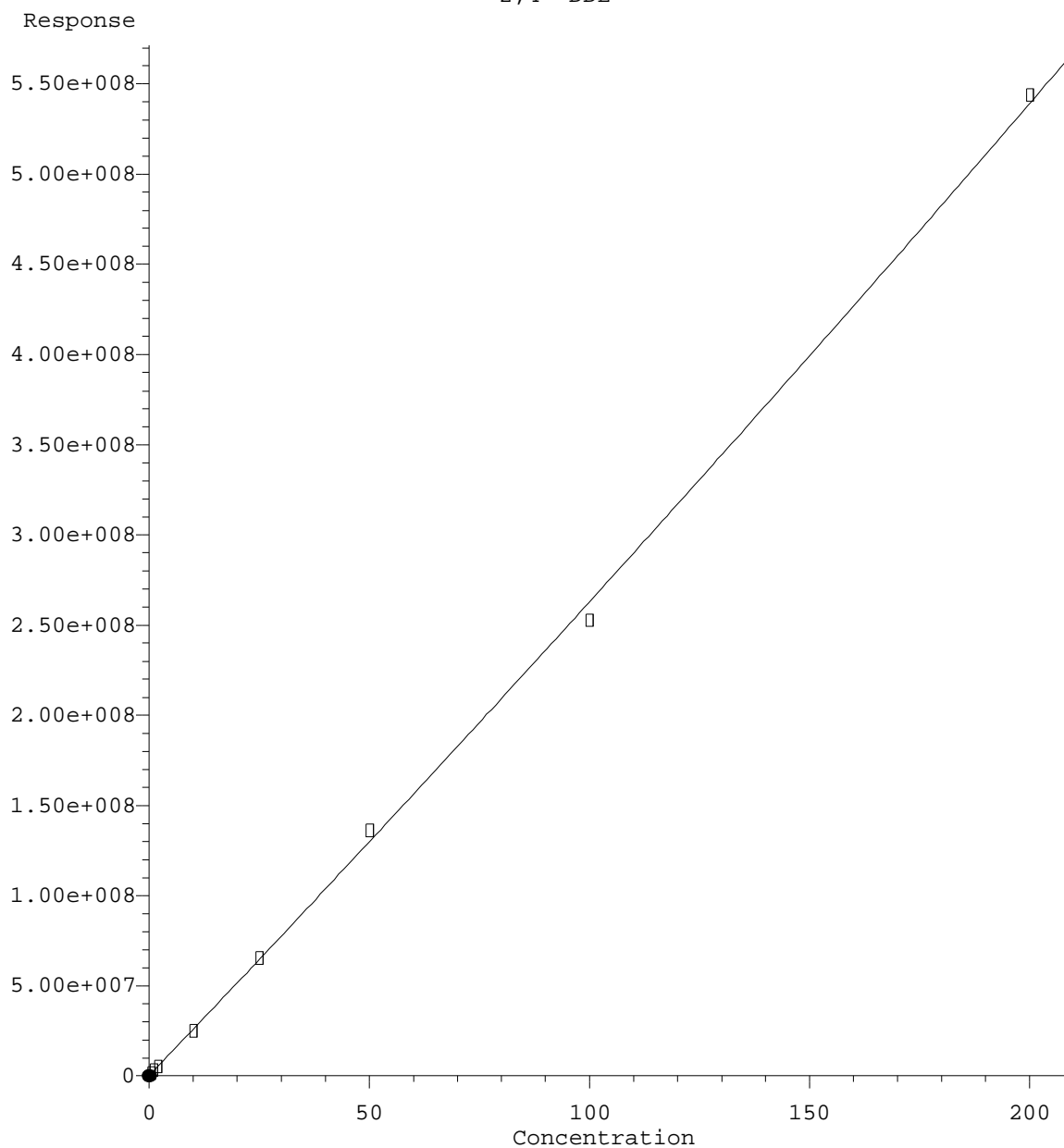


QEdit

|                      |                    |                    |
|----------------------|--------------------|--------------------|
| (25) Oxychlordane    |                    | <i>MJB 7/20/20</i> |
| 7.245min             | 104477.195 ng/mL m |                    |
| response             | 534381             |                    |
|                      |                    |                    |
| (25) Oxychlordane #2 |                    |                    |
| 7.994min             | -0.209 ng/mL m     |                    |
| response             | 81919              |                    |

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:21:38 2020

2,4'-DDE

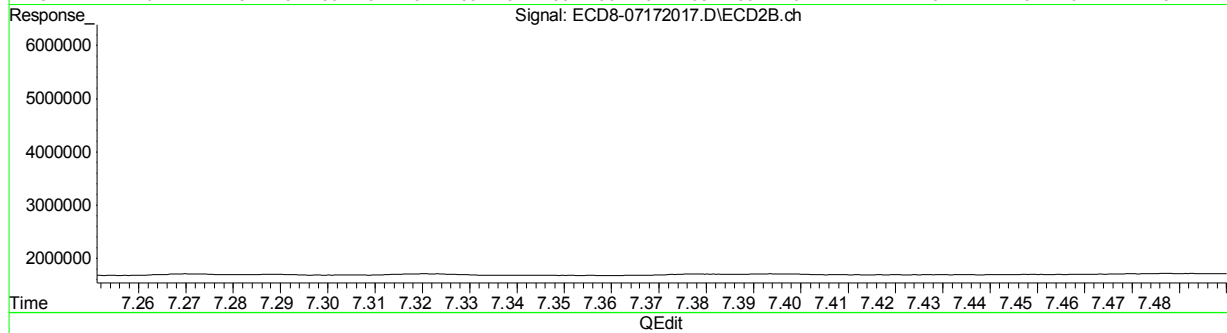
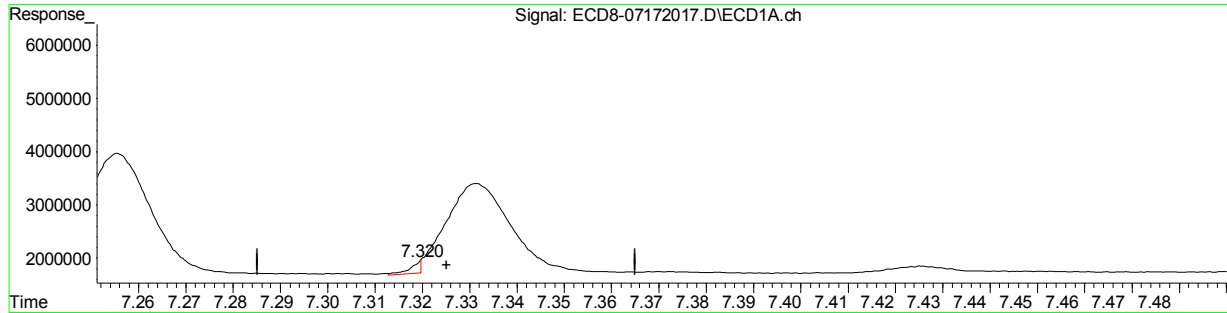


R = 7.02e+002 A\*A + 2.55e+006 A + 4.60e+005  
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



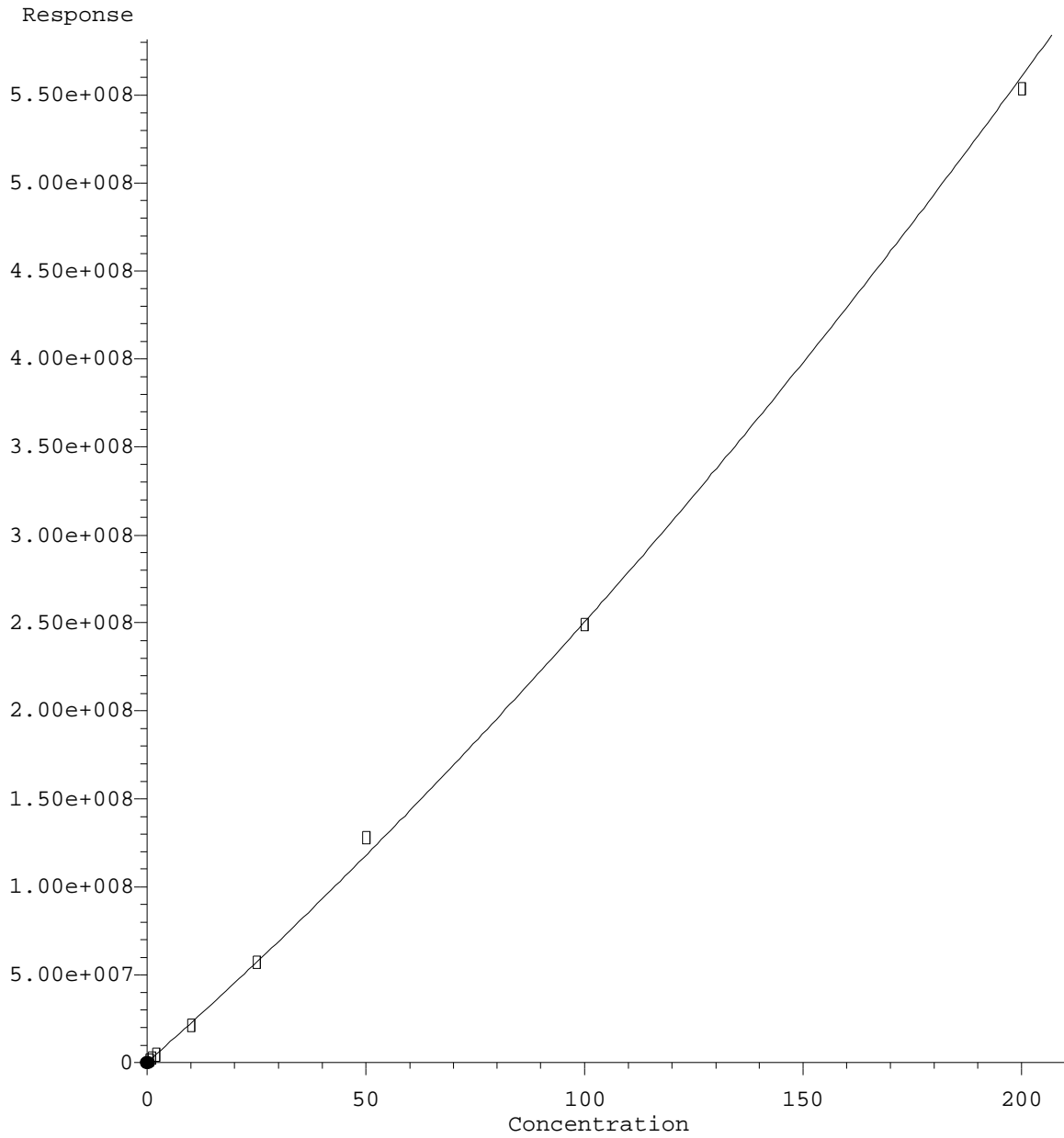
(26) 2,4'-DDE  
7.320min -0.083 ng/mL m  
response 247695

MJB 7/20/20

(26) 2,4'-DDE #2  
8.211min 0.490 ng/mL  
response 1531133

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:21:48 2020

2,4'-DDE #2

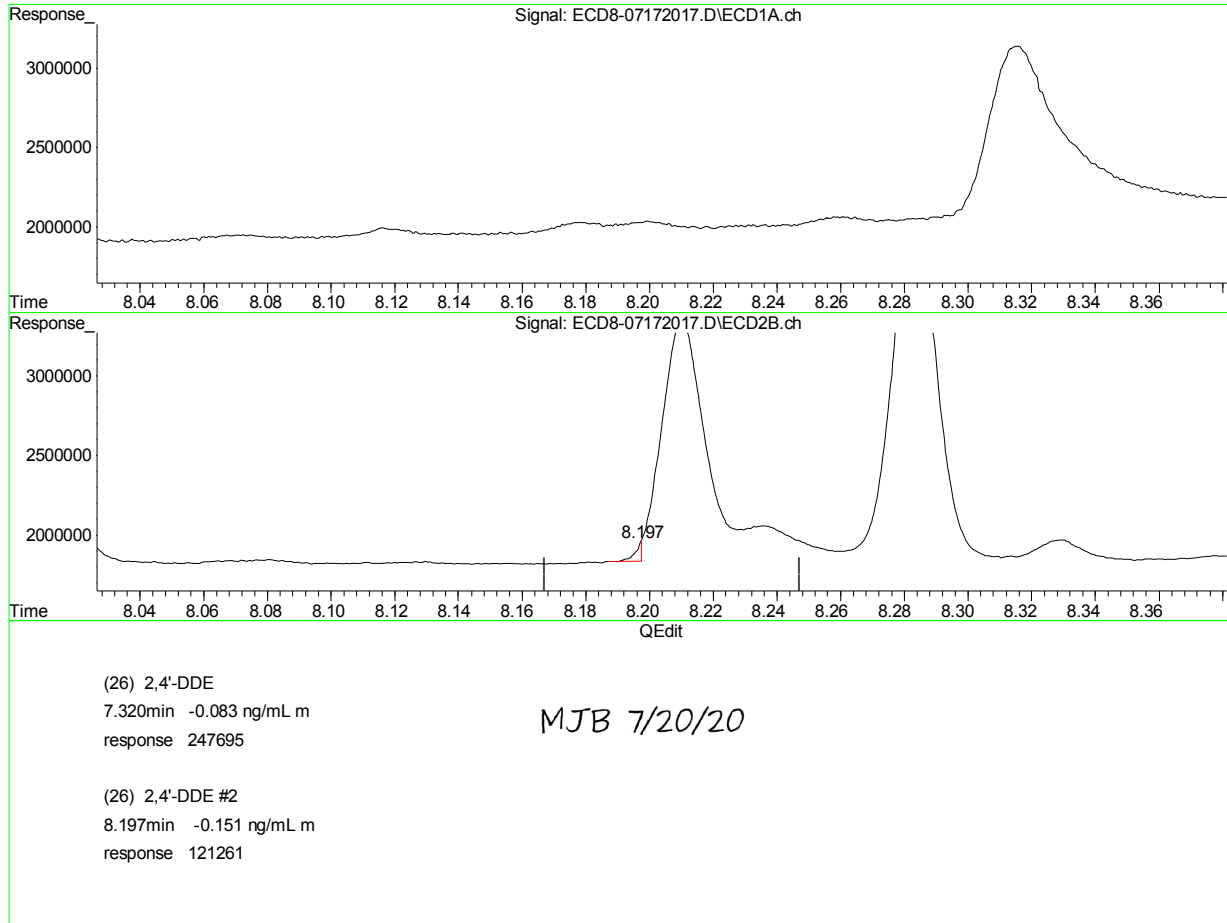


R = 3.01e+003 A\*A + 2.20e+006 A + 4.53e+005  
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

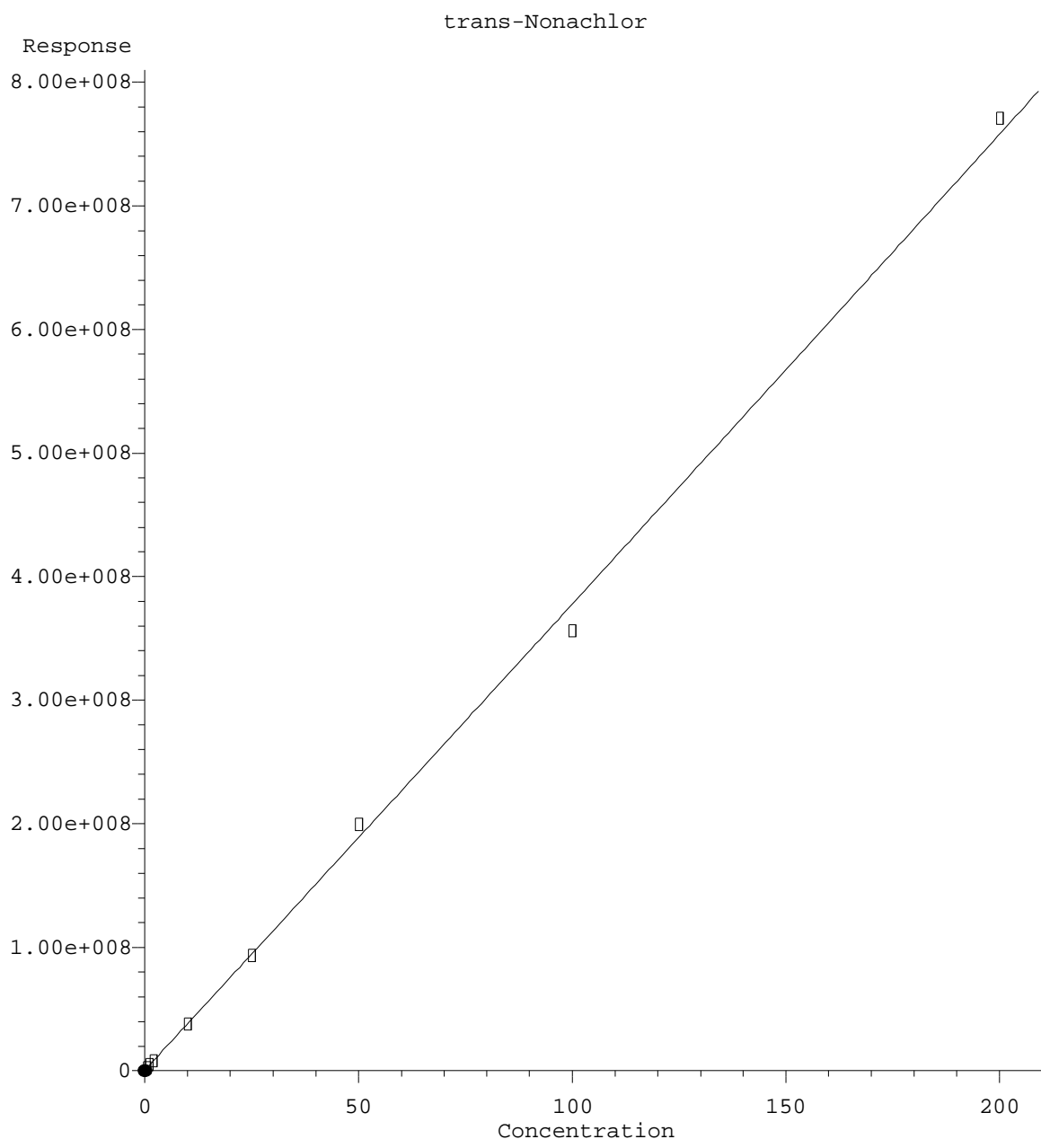
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:21:57 2020

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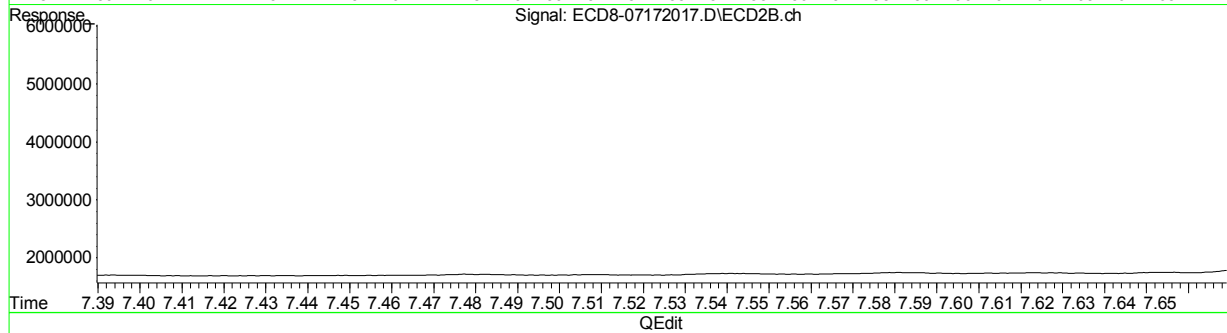
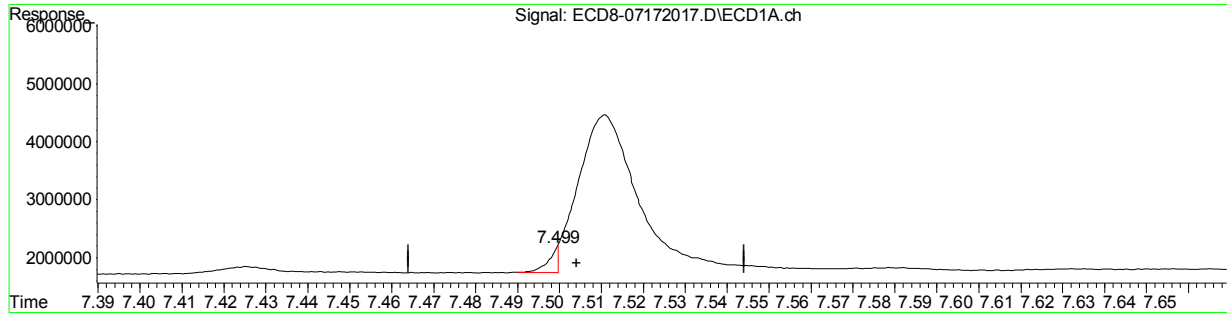


$R = 1.82e+002 A^2 + 3.75e+006 A + 8.77e+005$   
 Coef of Det ( $r^2$ ) = 0.998    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



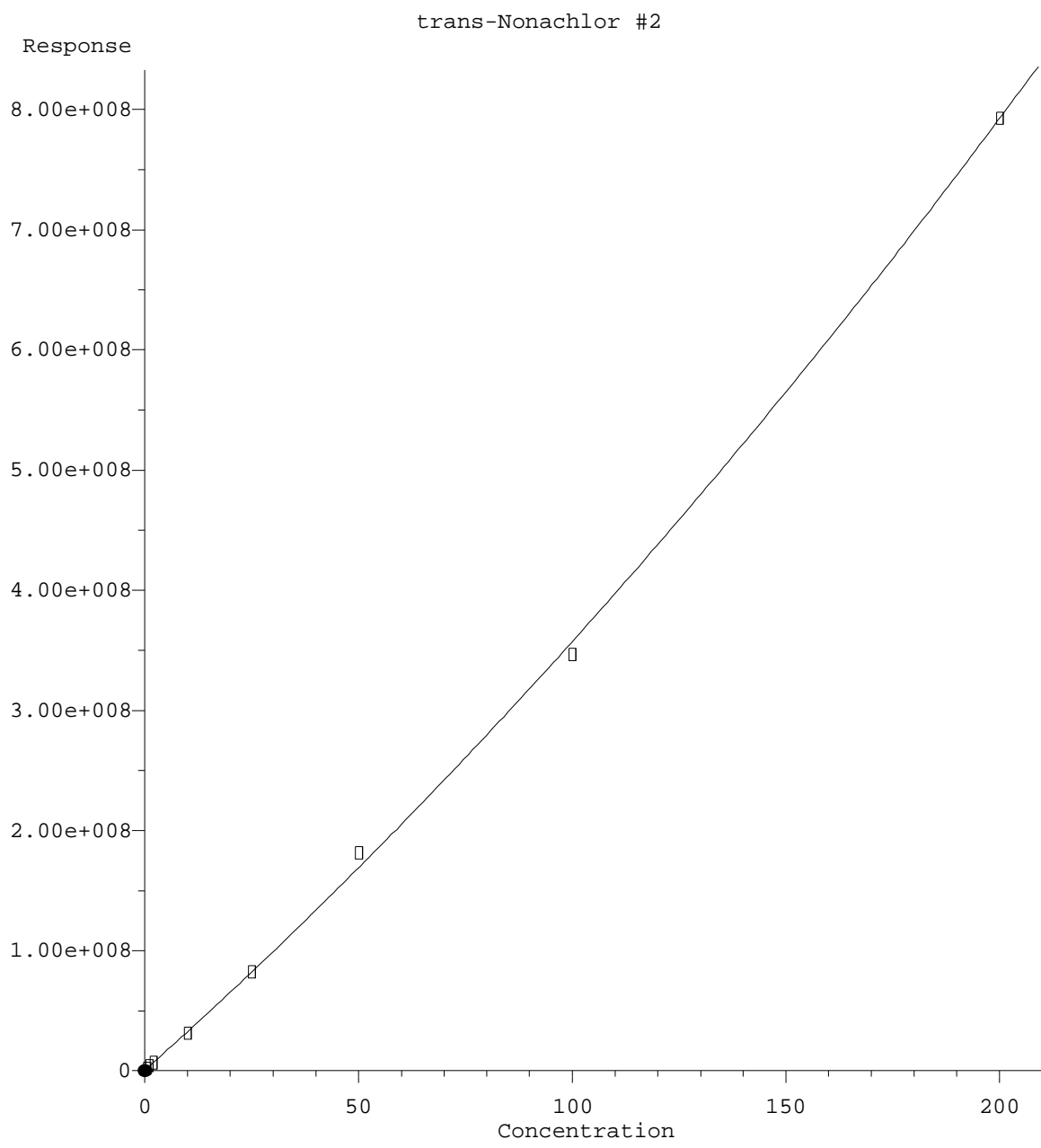
(27) trans-Nonachlor  
7.499min -0.120 ng/mL m  
response 428081

MJB 7/20/20

(27) trans-Nonachlor #2  
8.283min 0.486 ng/mL  
response 2349402

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:22:06 2020

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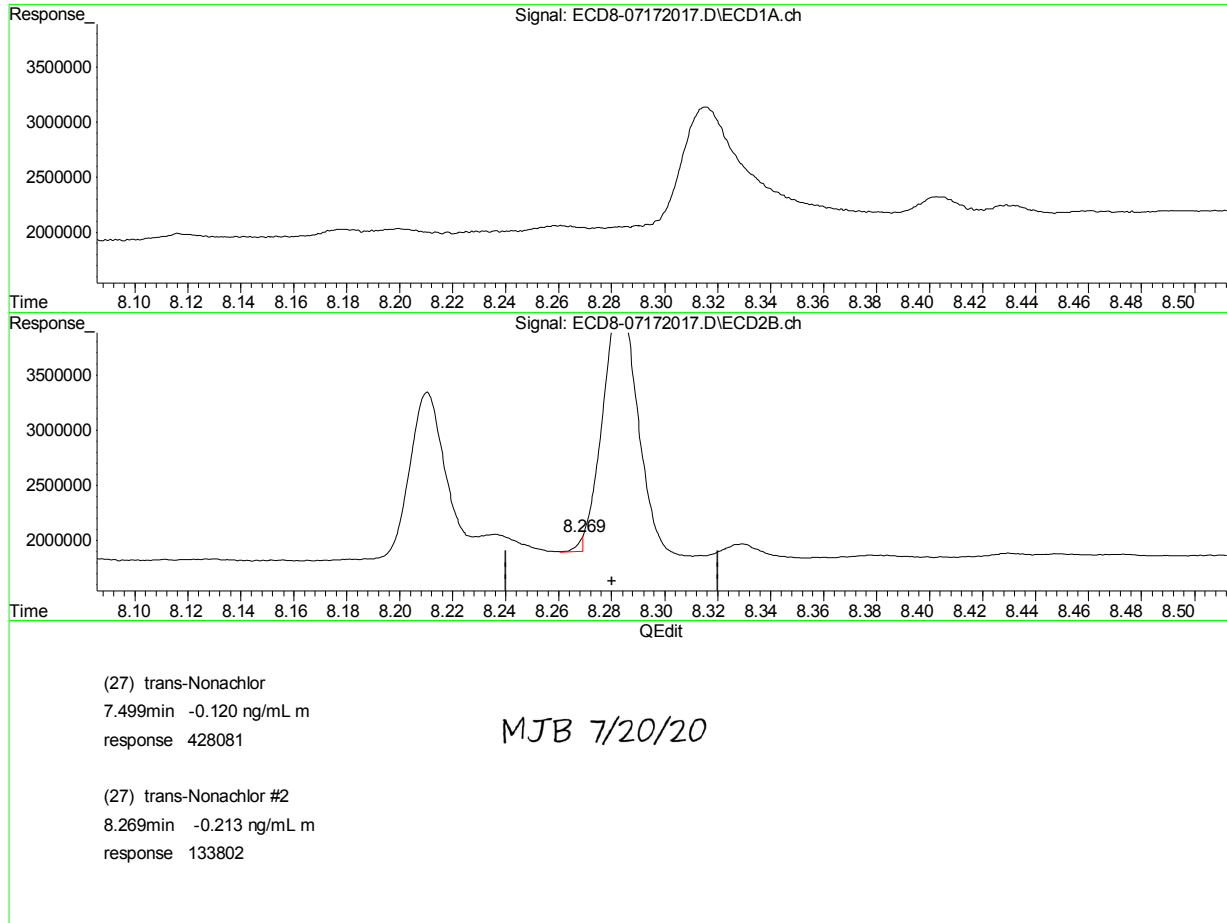


$R = 3.96e+003 A^2 + 3.17e+006 A + 8.08e+005$   
 Coef of Det ( $r^2$ ) = 0.997    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

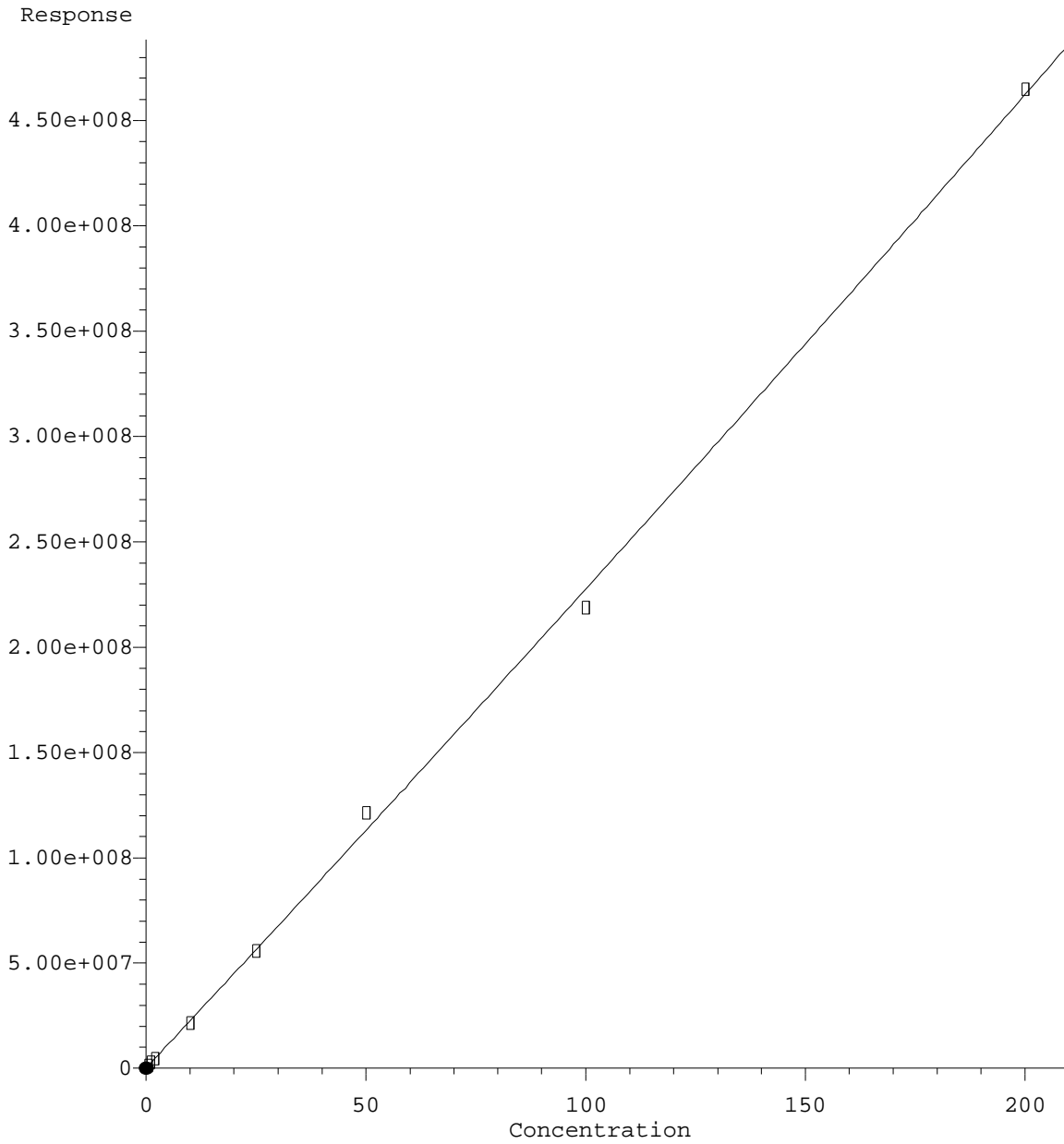
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:22:16 2020

2,4'-DDD

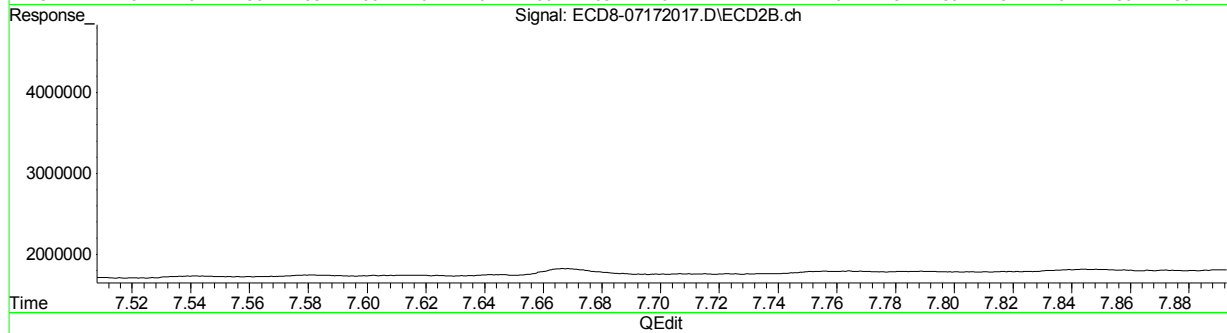
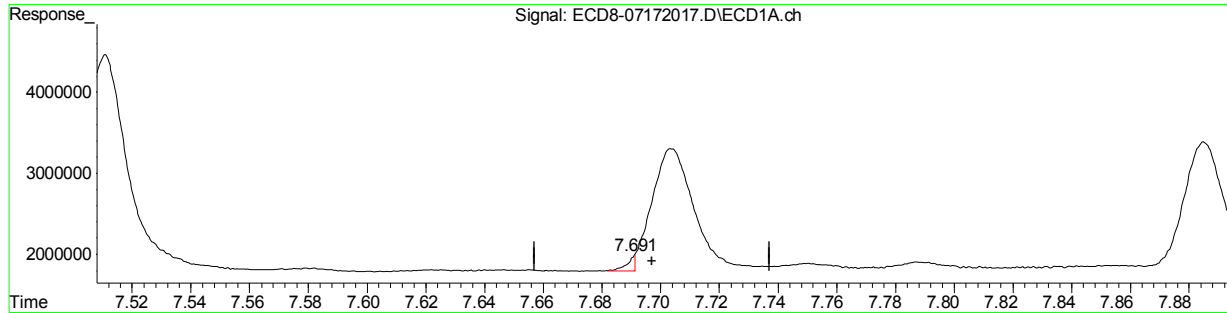


R = 3.93e+002 A\*A + 2.23e+006 A + 4.36e+005  
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(28) 2,4'-DDD  
7.691min -0.111 ng/mL m  
response 188352

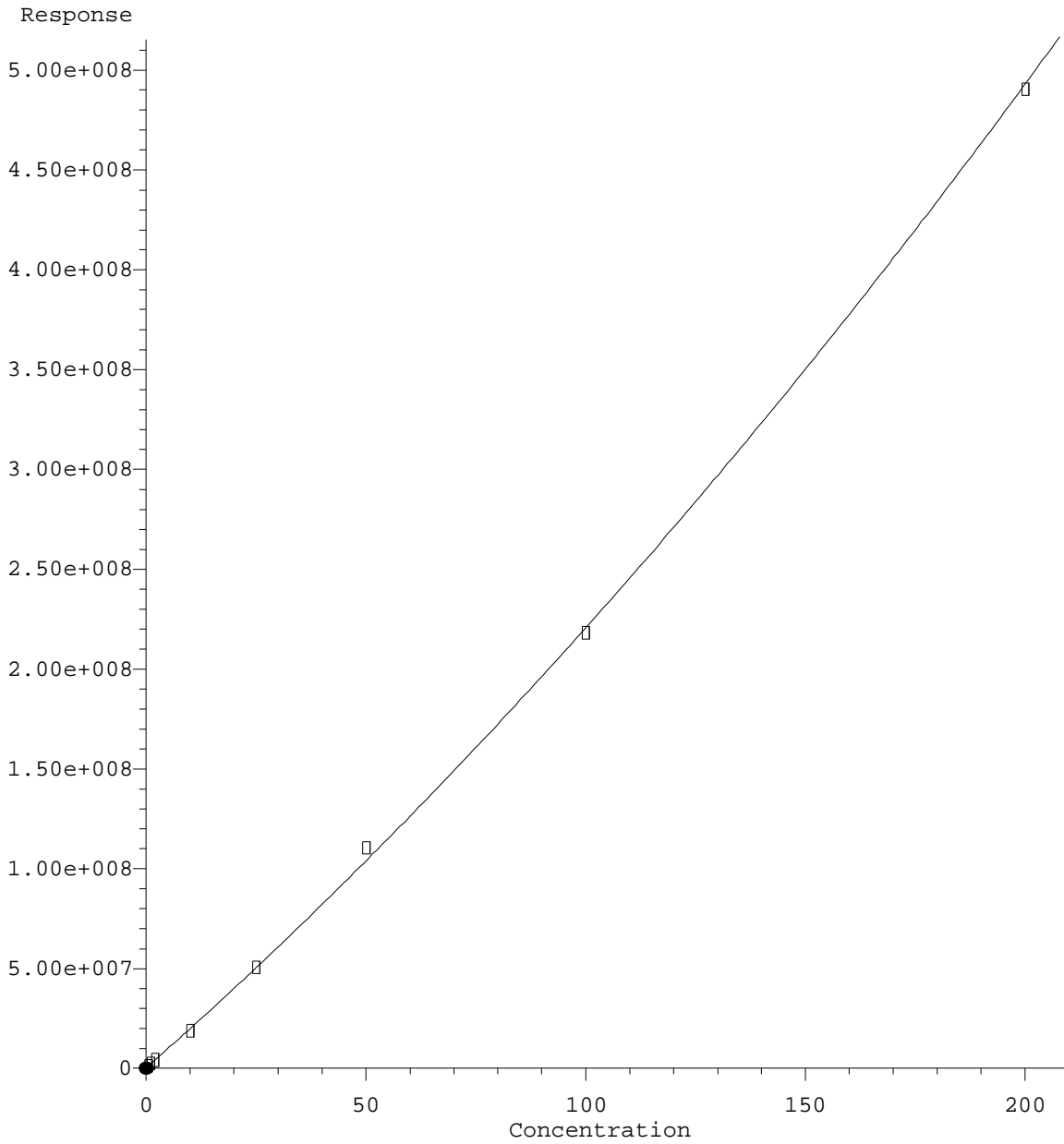
MJB 7/20/20

(28) 2,4'-DDD #2  
8.583min 0.485 ng/mL  
response 1354404

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:22:25 2020

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2,4'-DDD #2

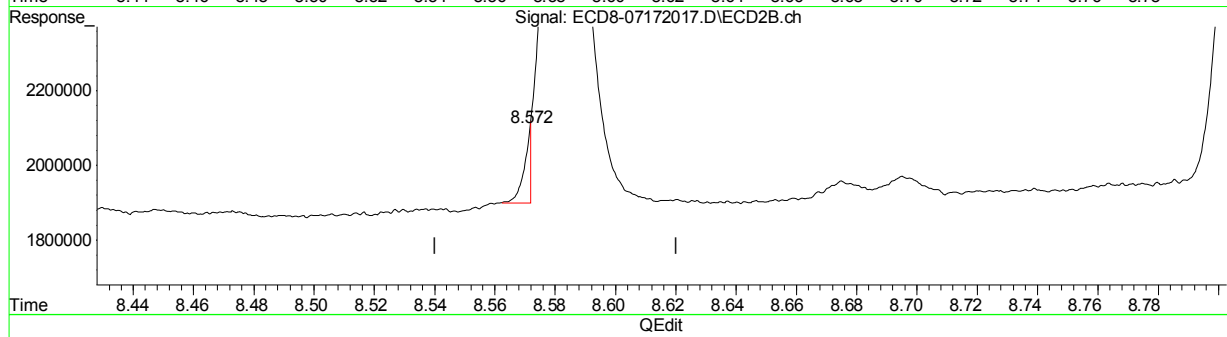
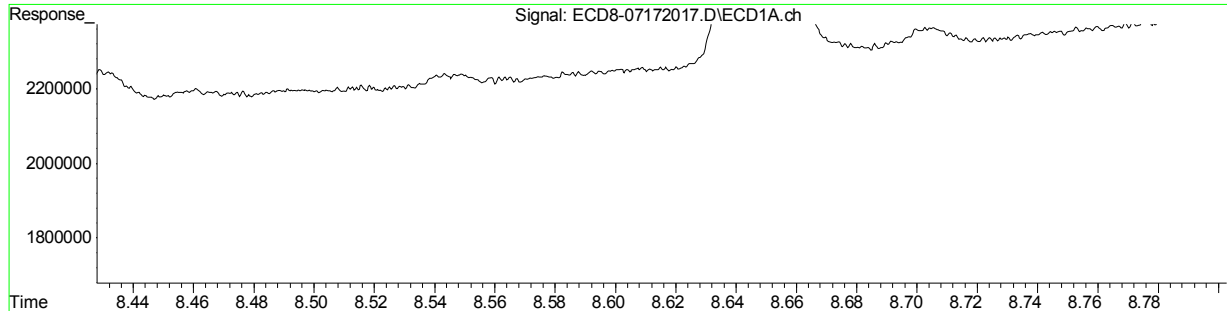


R = 2.62e+003 A\*A + 1.94e+006 A + 4.12e+005  
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



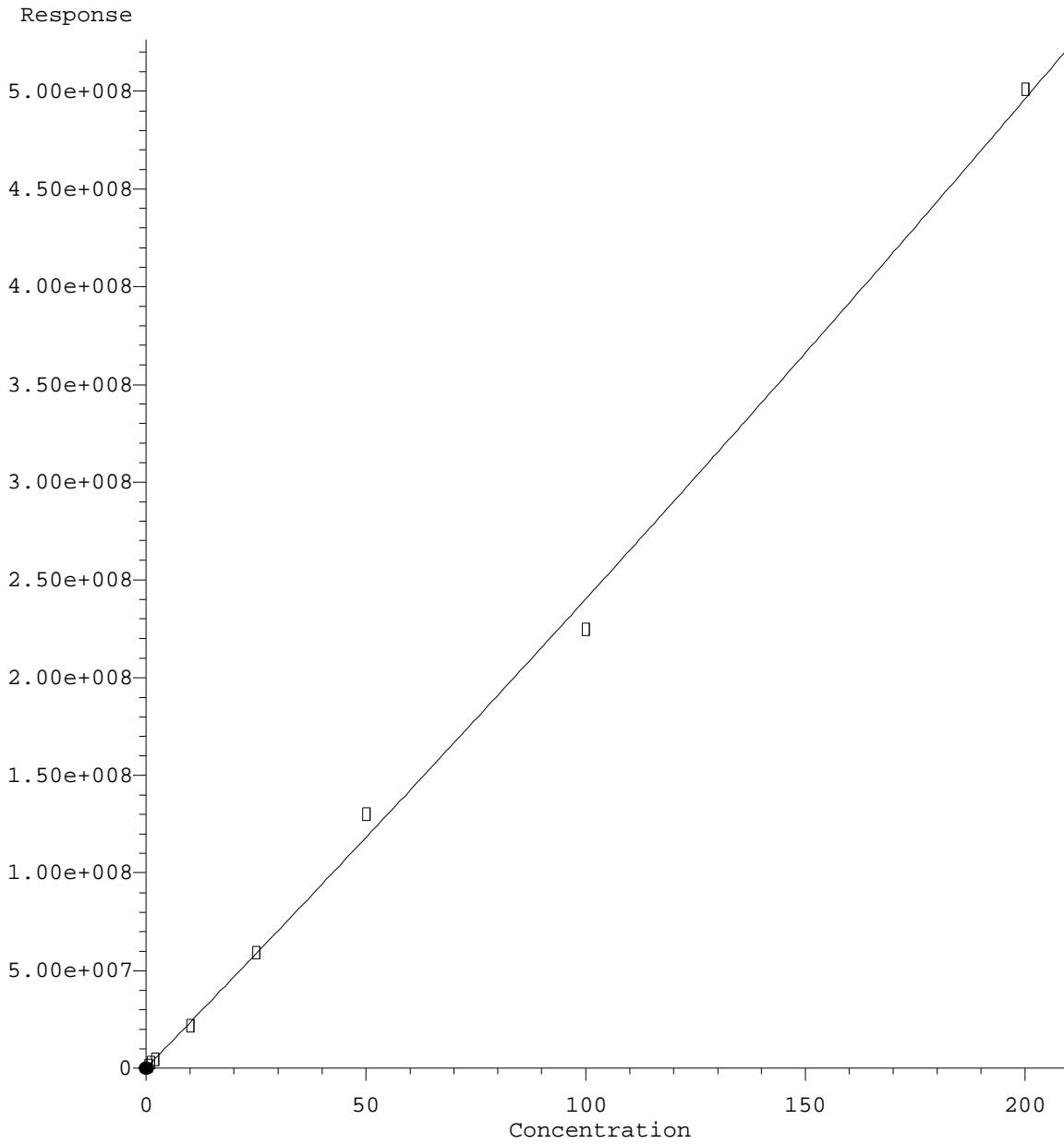
(28) 2,4'-DDD  
7.691min -0.111 ng/mL m  
response 188352

MJB 7/20/20

(28) 2,4'-DDD #2  
8.572min -0.108 ng/mL m  
response 203859



2,4'-DDT

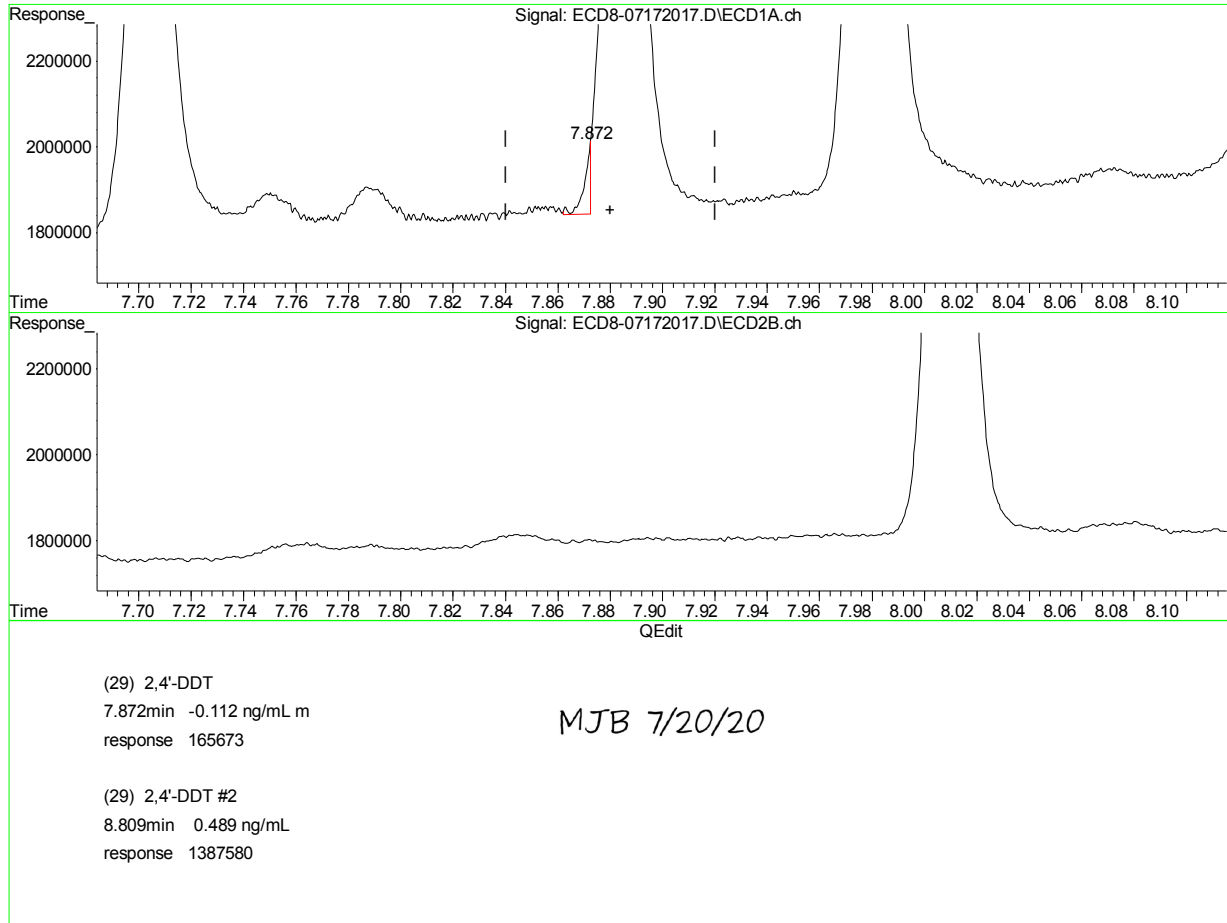


R = 8.19e+002 A\*A + 2.32e+006 A + 4.25e+005  
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

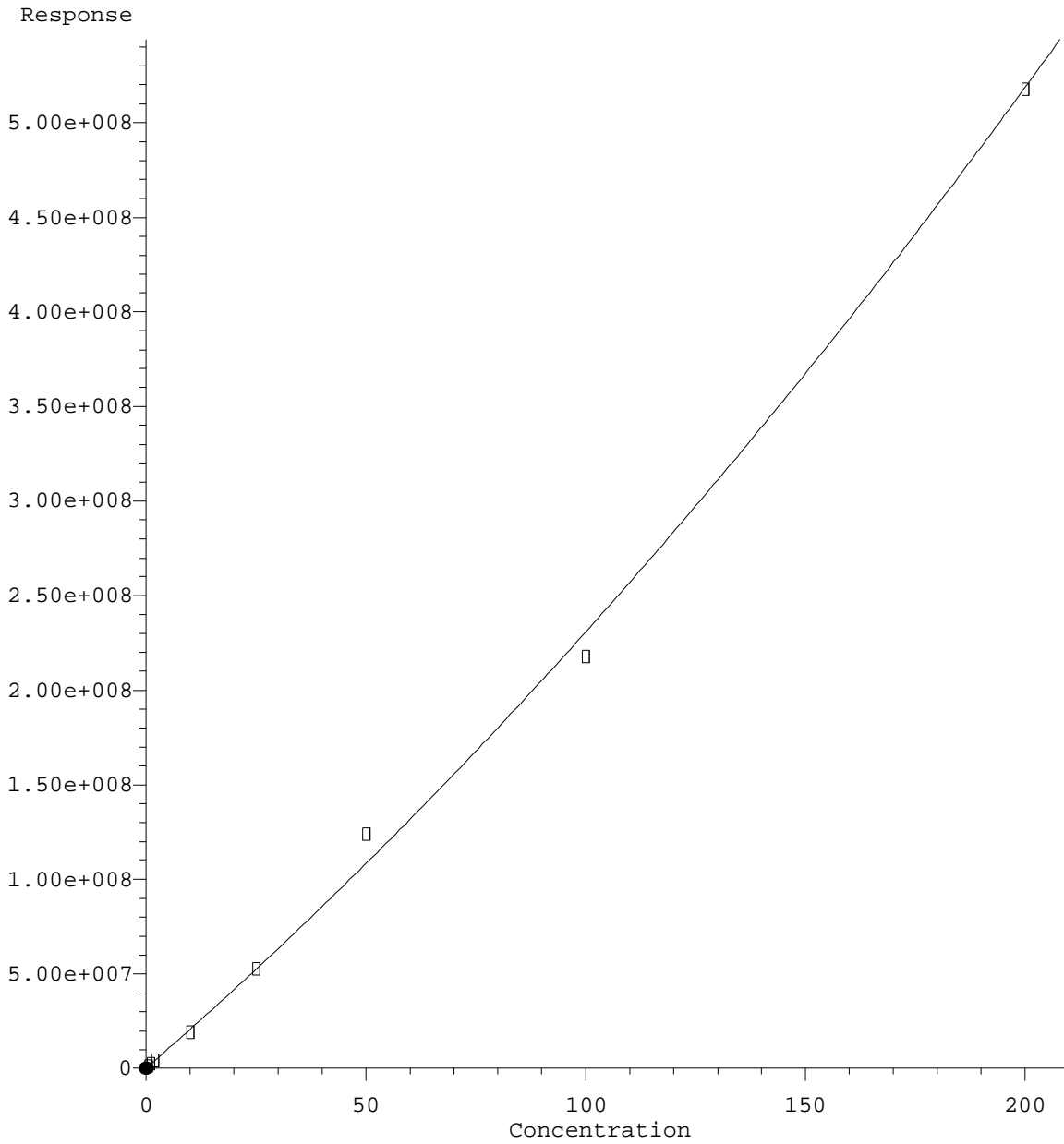
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:22:45 2020

2,4'-DDT #2

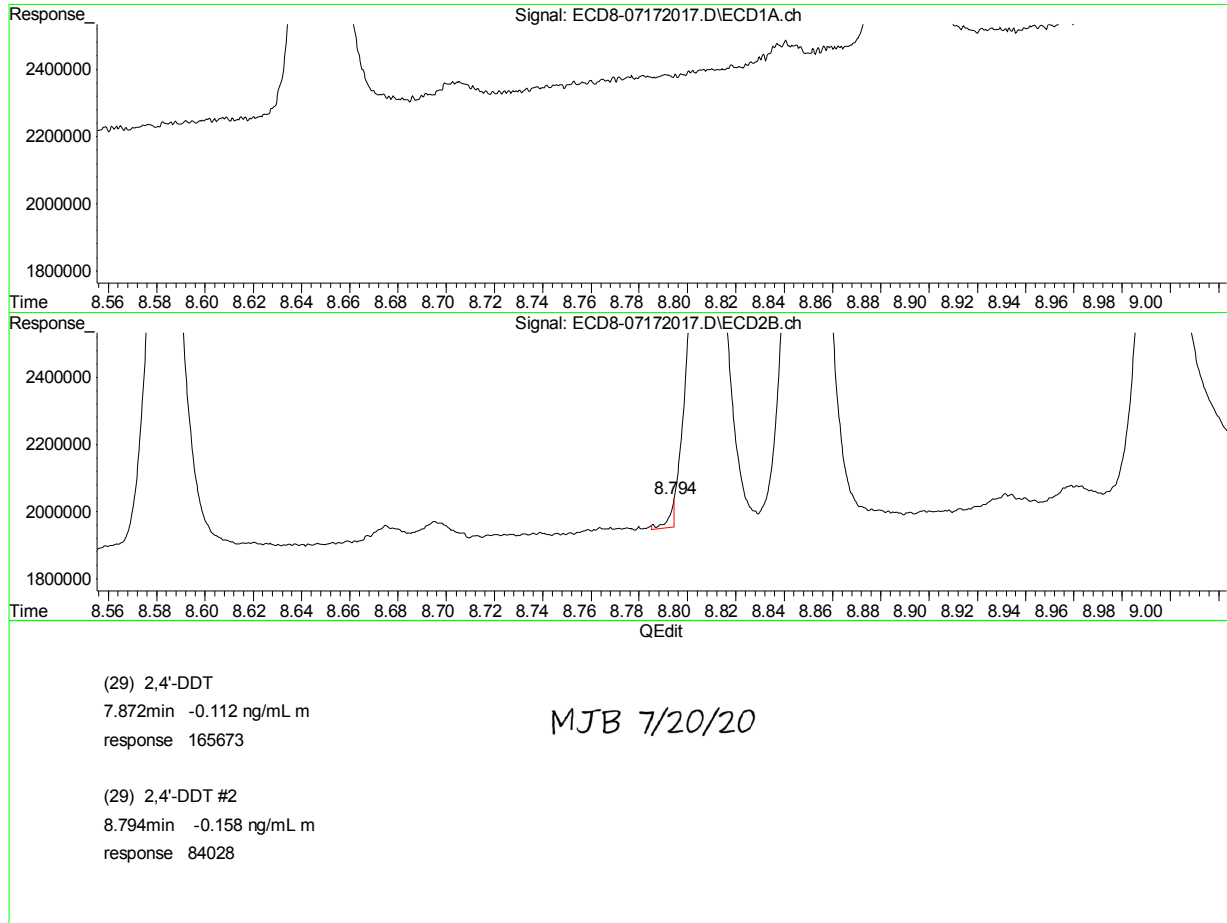


R = 2.89e+003 A\*A + 2.01e+006 A + 4.03e+005  
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

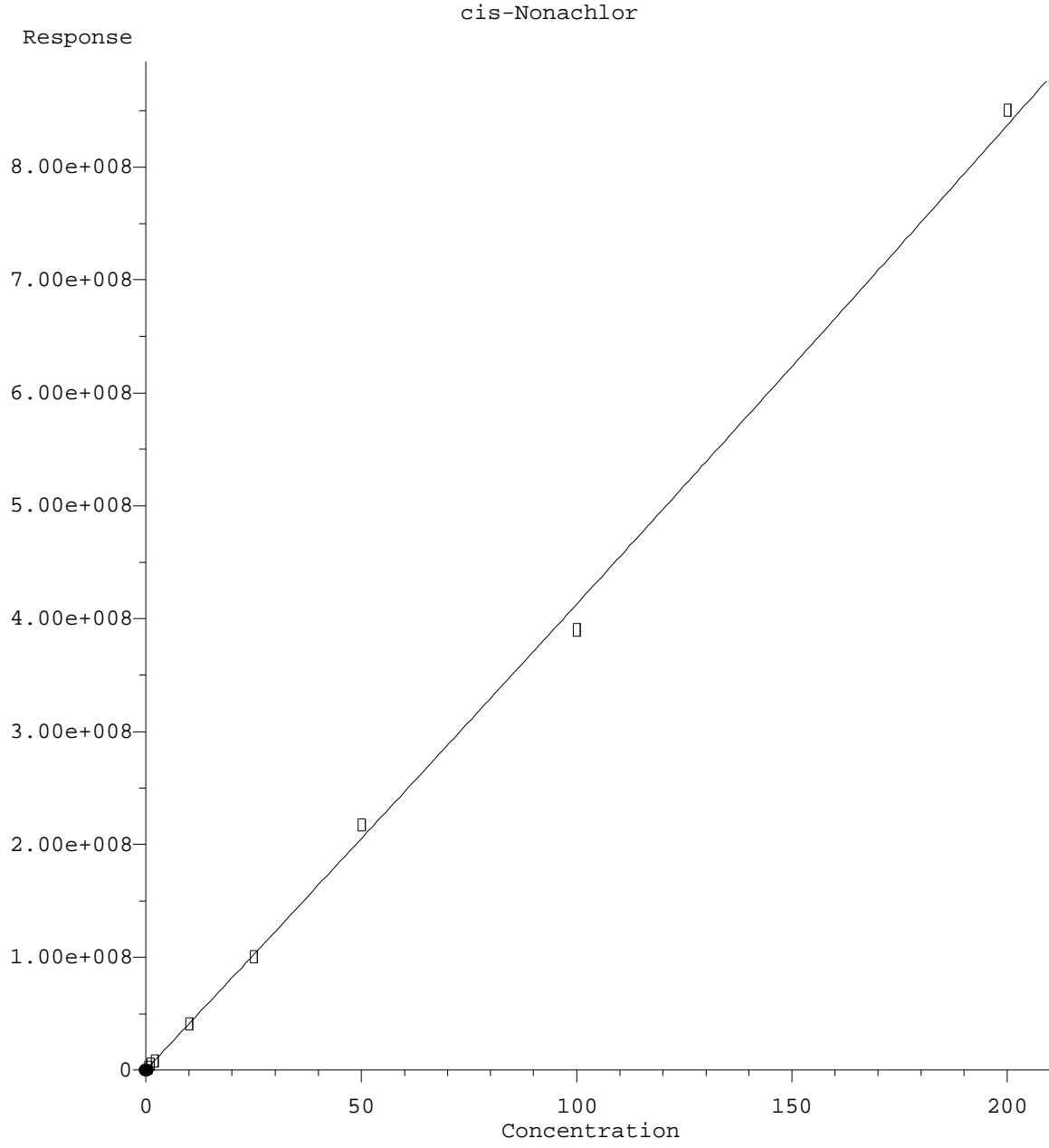
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:22:52 2020

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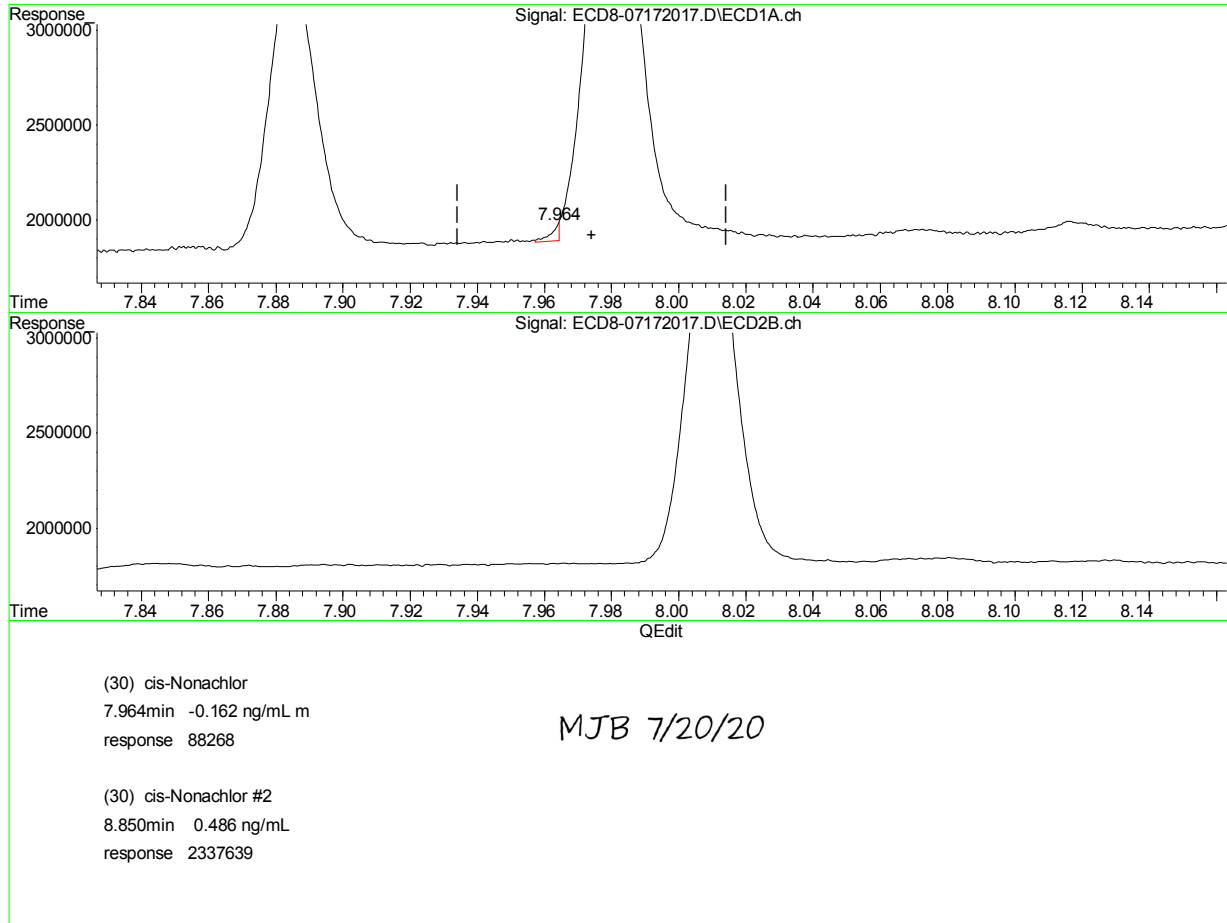


$R = 6.20e+002 A^2 + 4.06e+006 A + 7.47e+005$   
 Coef of Det ( $r^2$ ) = 0.997    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

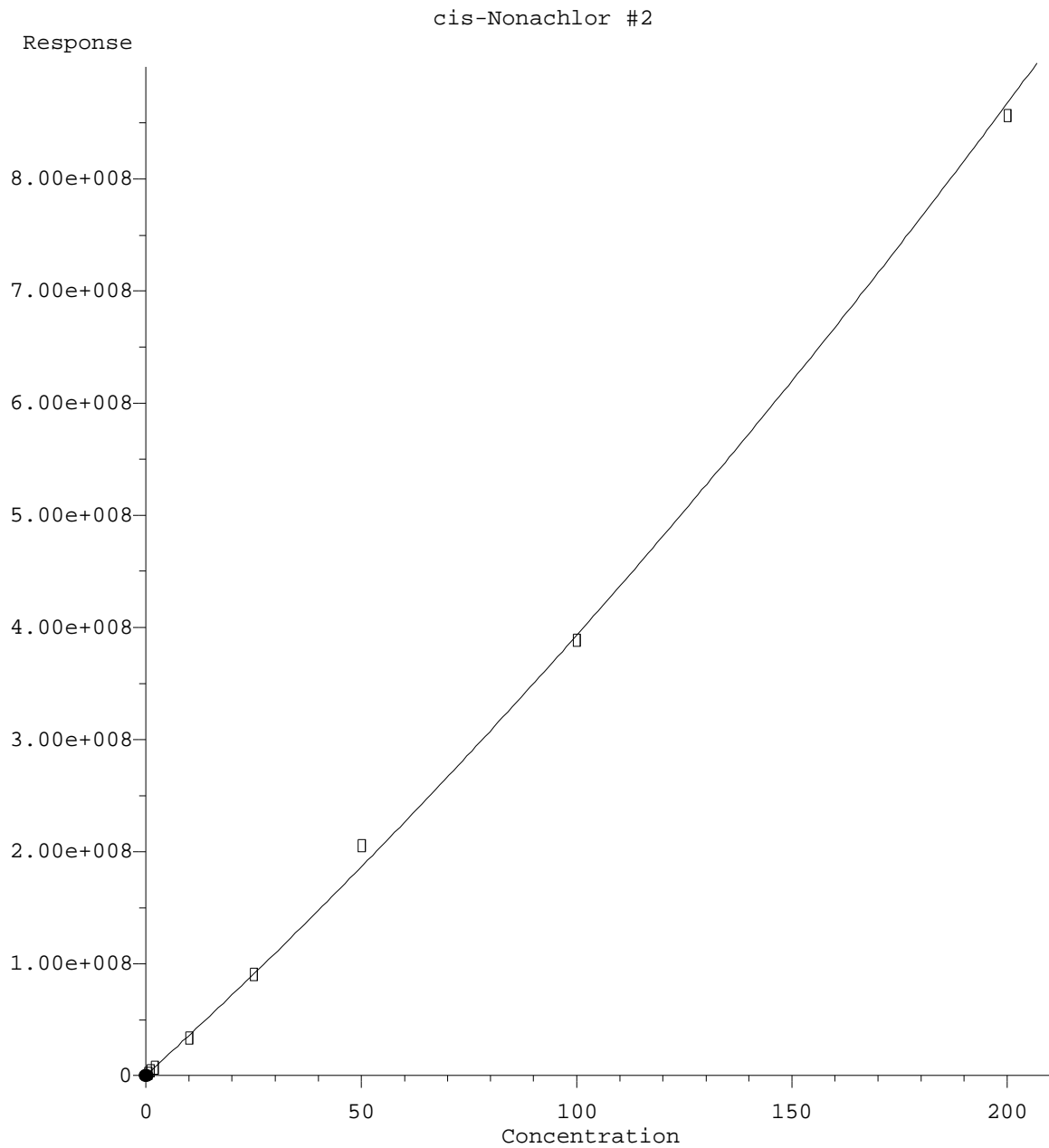
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:23:00 2020

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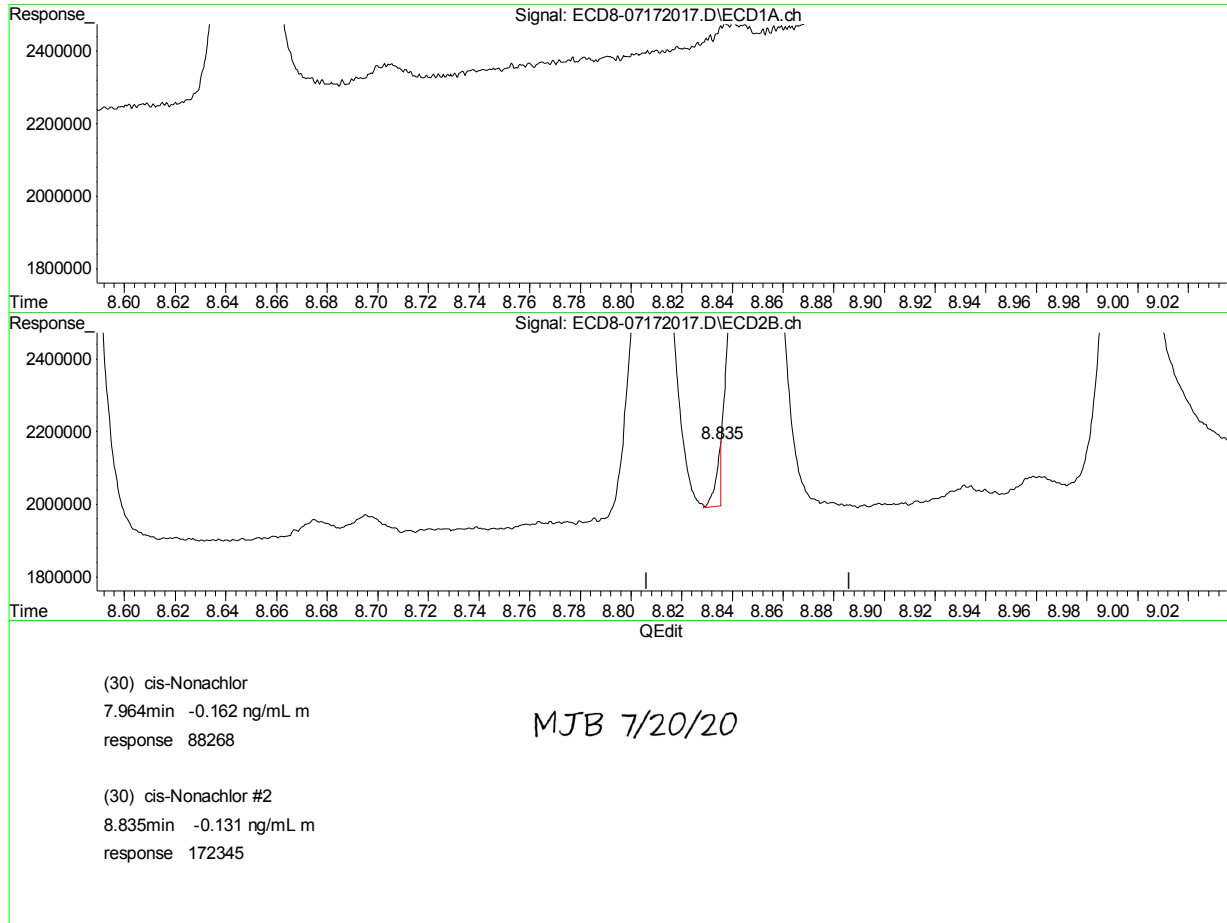


$R = 4.13e+003 A^2 + 3.51e+006 A + 6.33e+005$   
 Coef of Det ( $r^2$ ) = 0.995    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

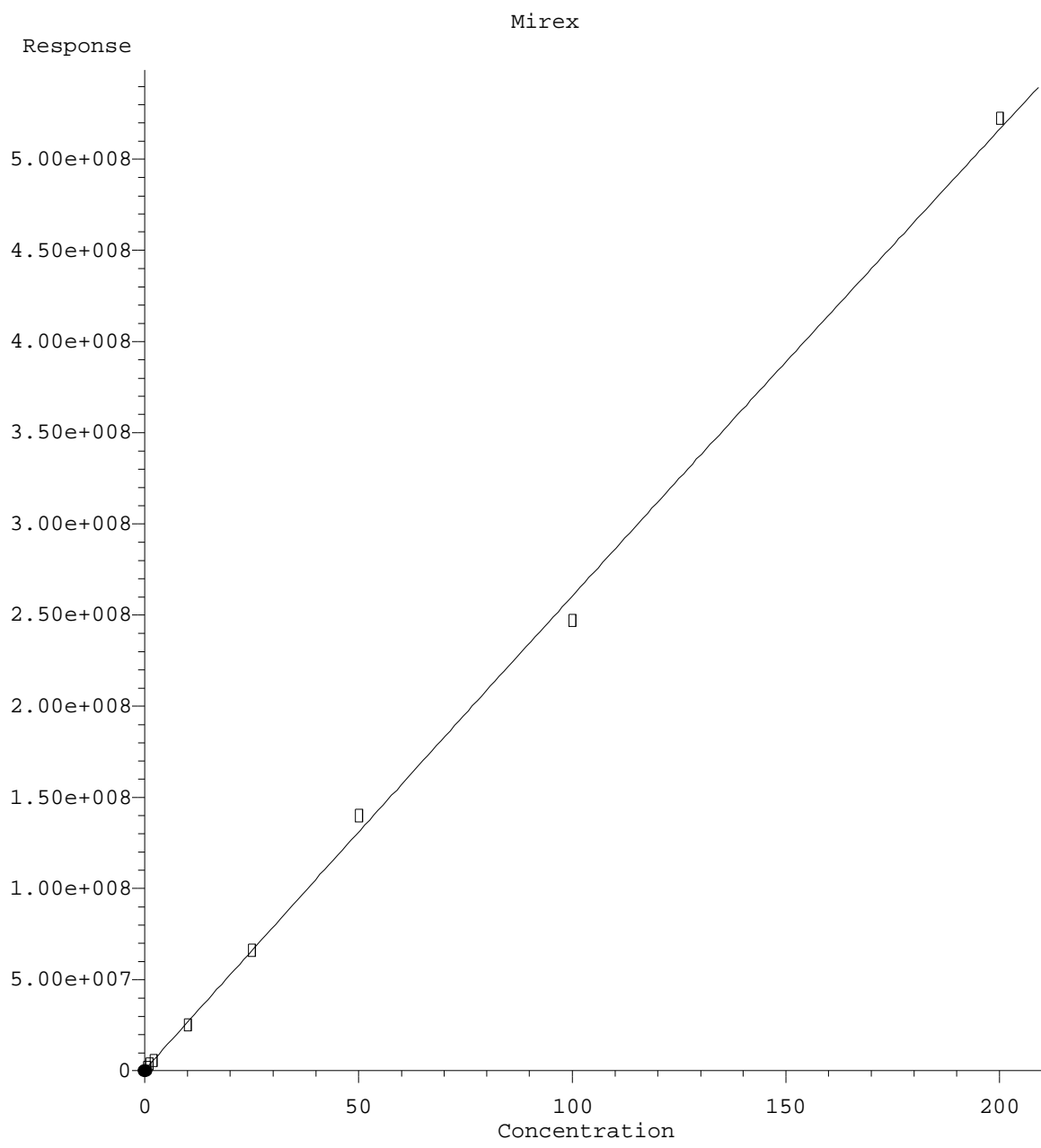
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:23:09 2020



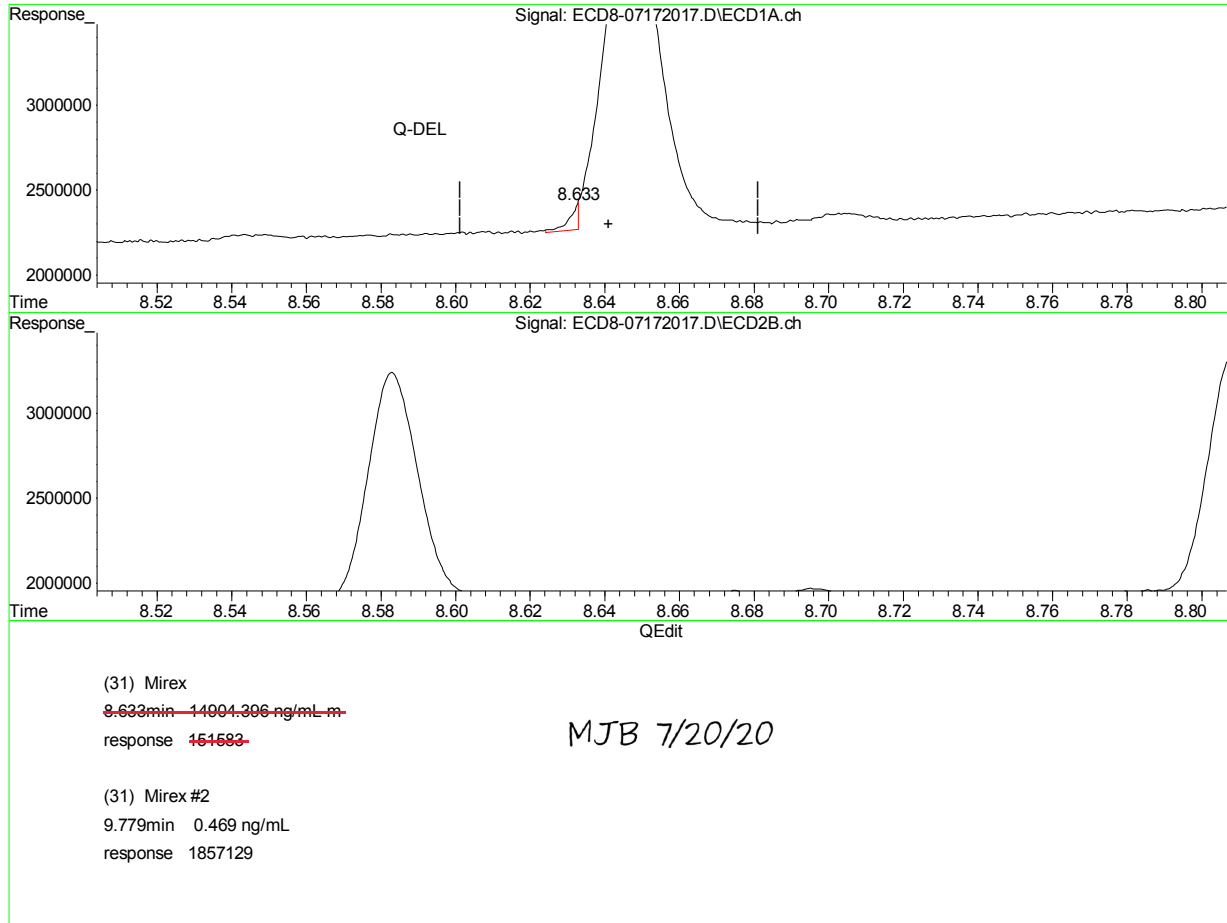


$R = -1.75e+002 A^2 + 2.61e+006 A + 7.50e+005$   
 Coef of Det ( $r^2$ ) = 0.994    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

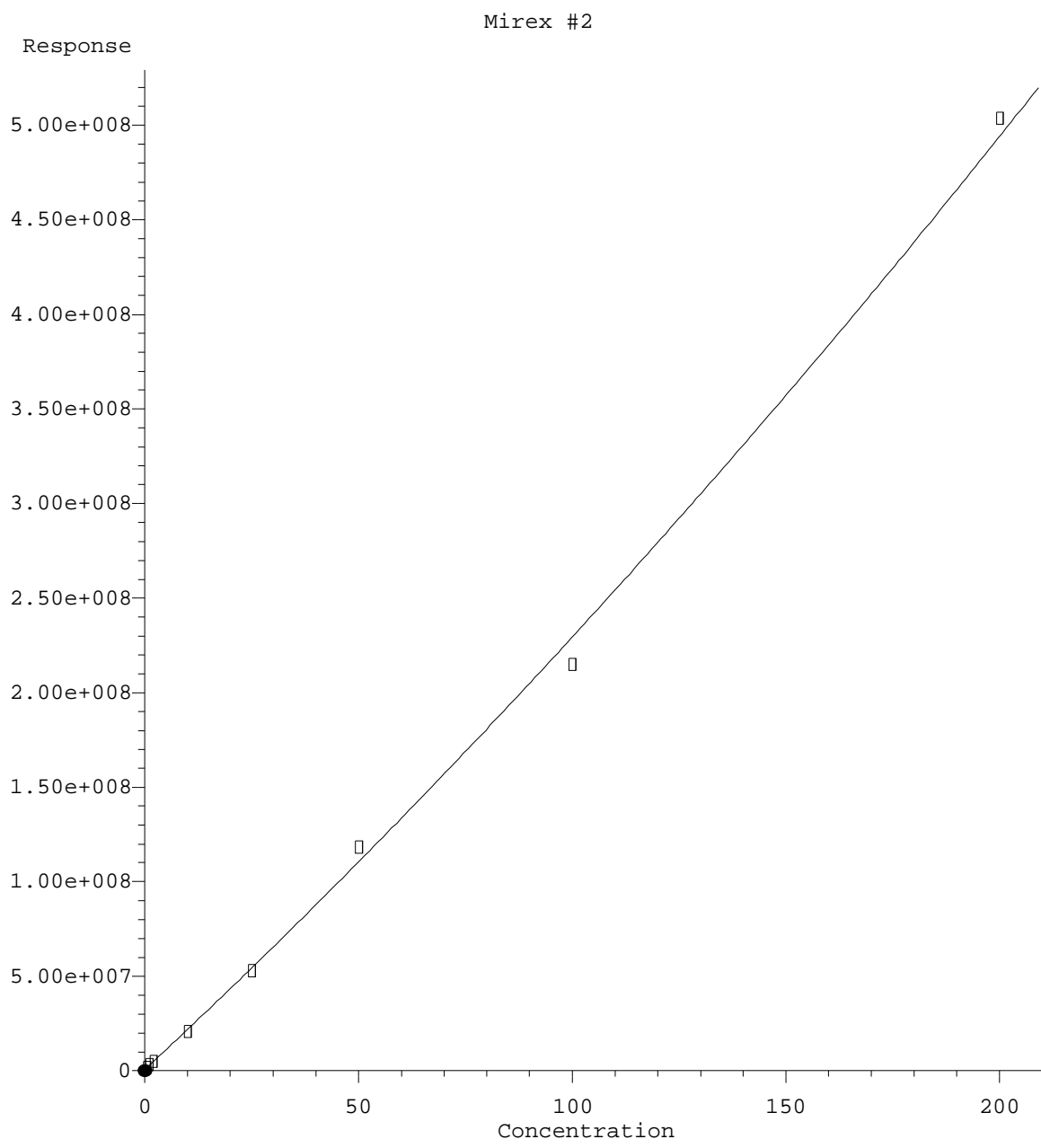
Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 9-42 0.5 ppb  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:23:22 2020

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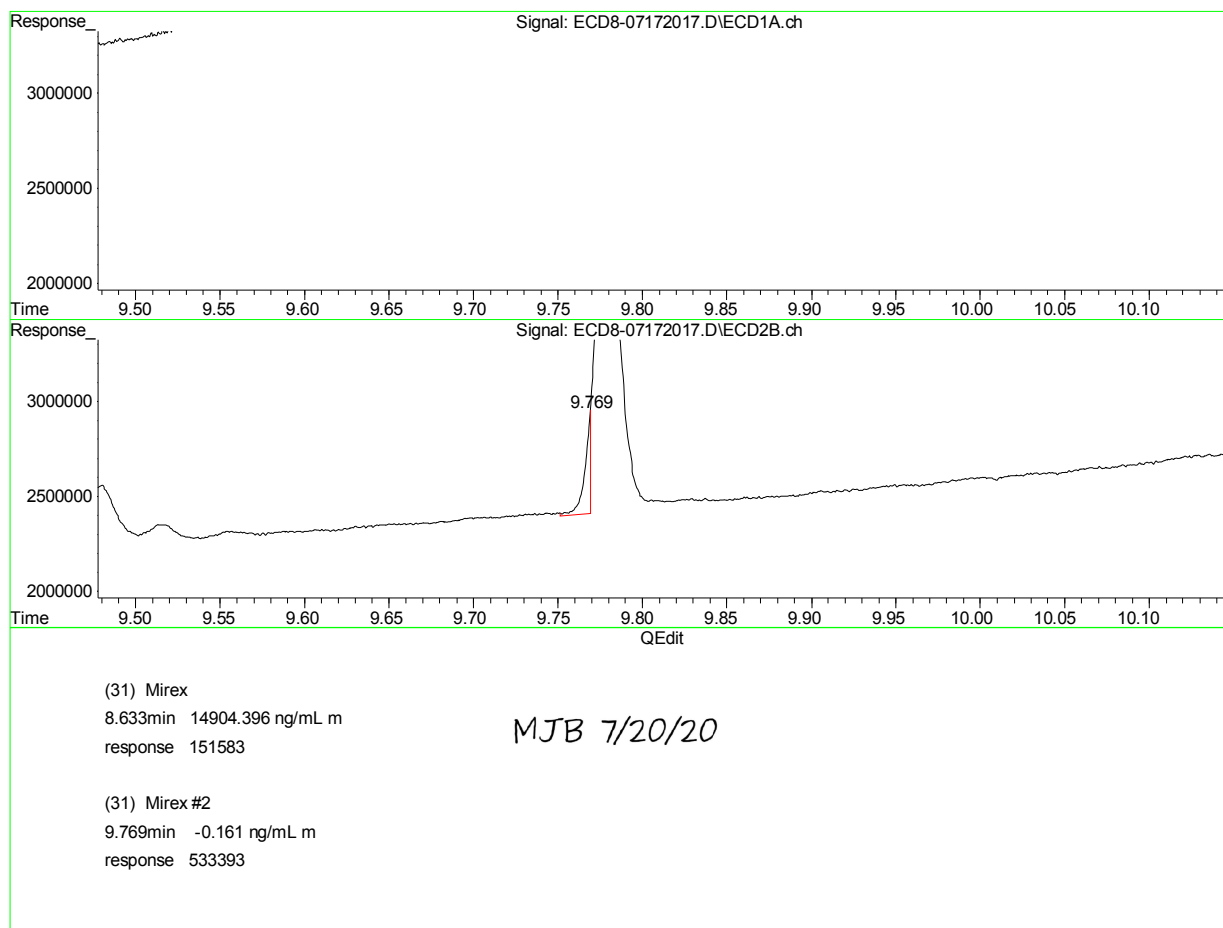


$R = 1.82e+003 A^2 + 2.10e+006 A + 8.71e+005$   
 Coef of Det ( $r^2$ ) = 0.994    Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

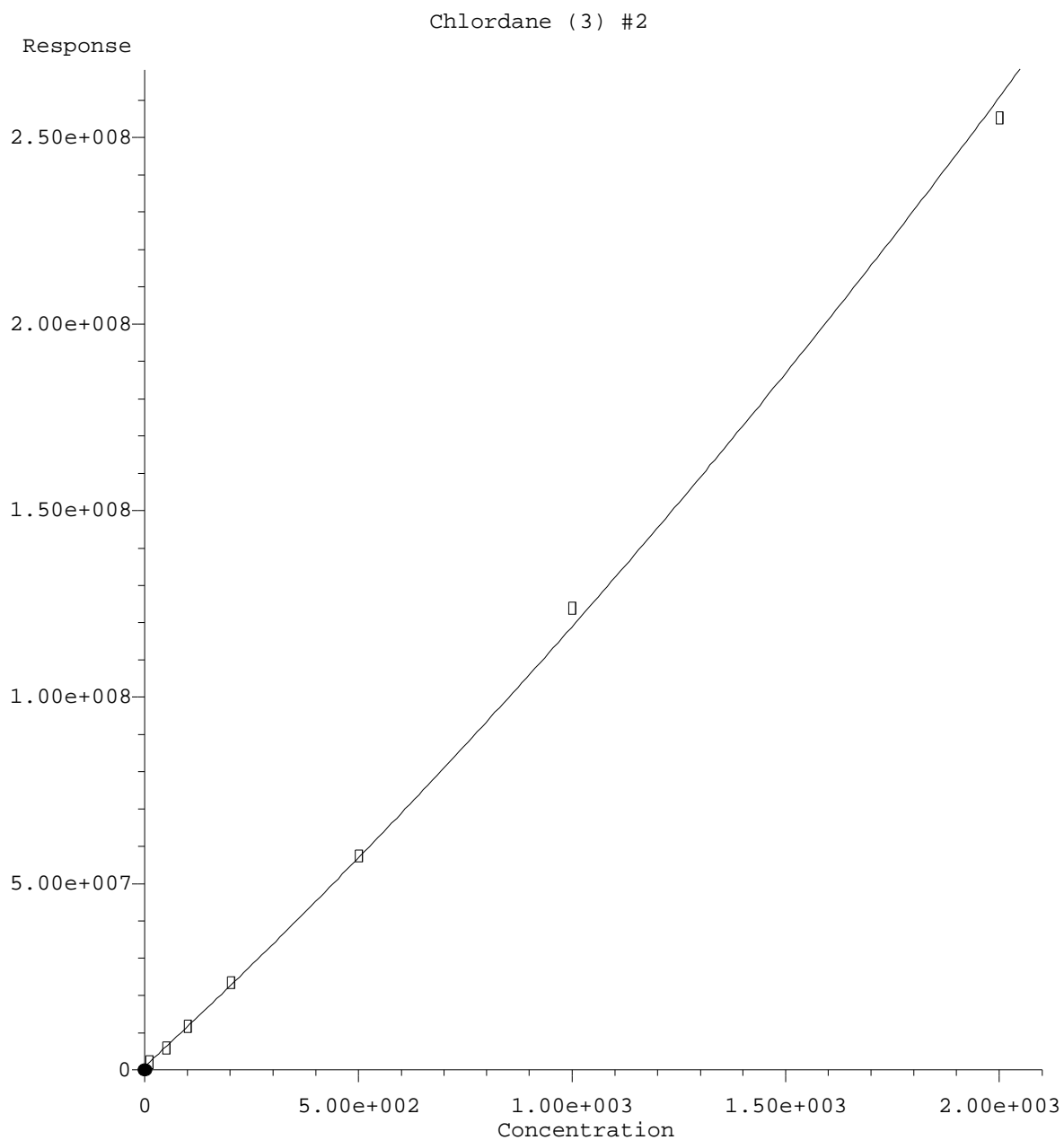
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:23:31 2020

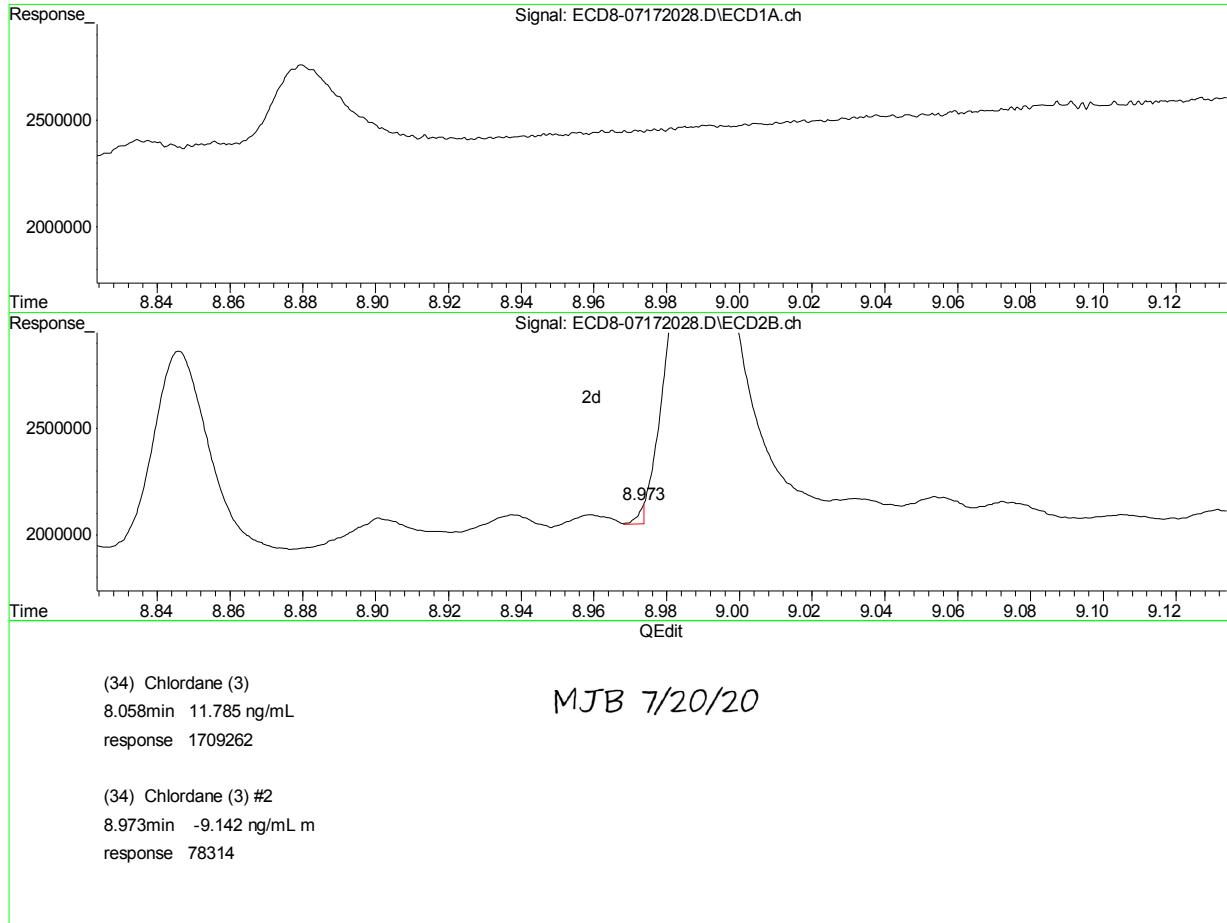


$R = 1.20e+001 A^2 + 1.06e+005 A + 1.05e+006$   
 Coef of Det ( $r^2$ ) = 0.998    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

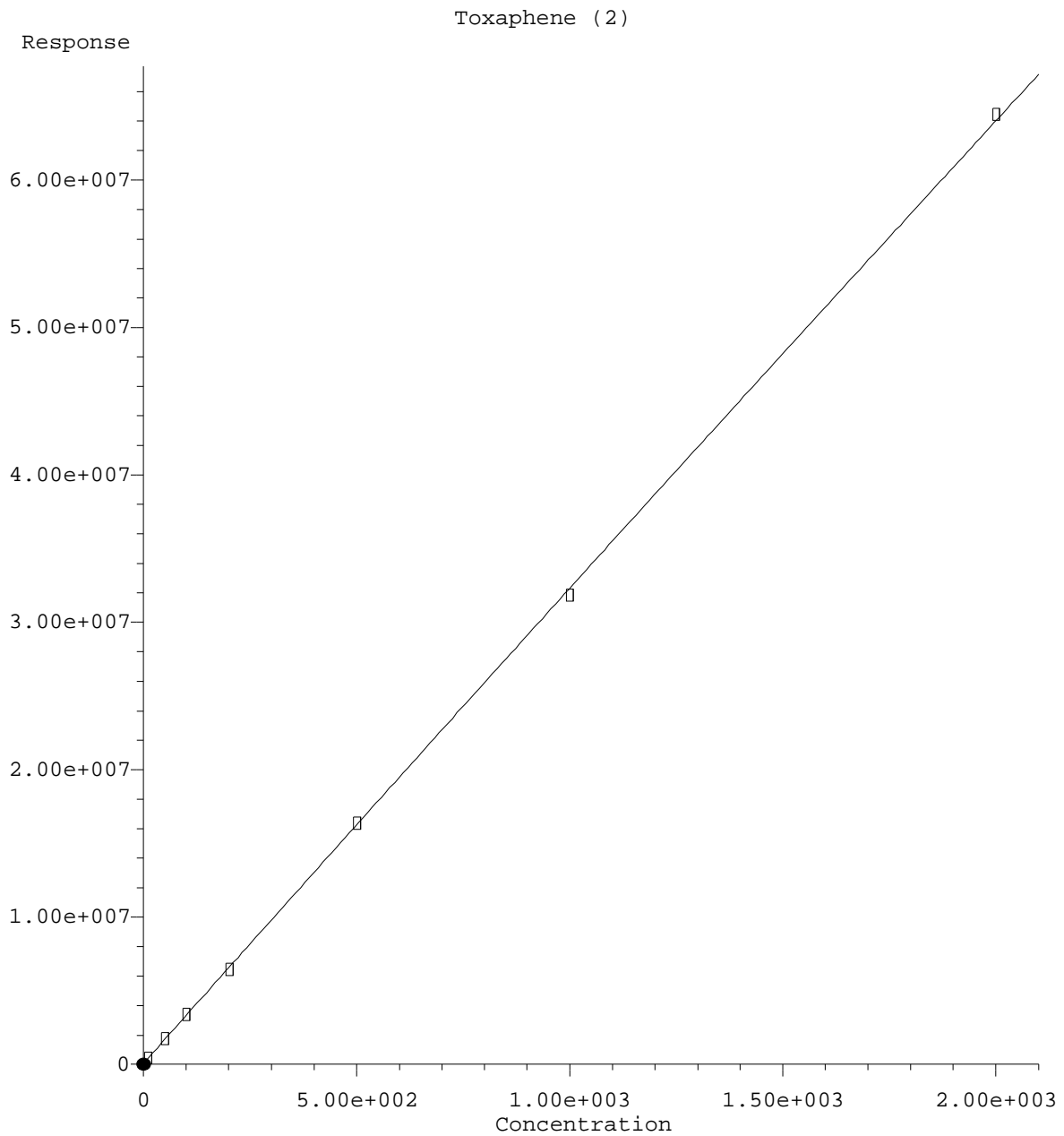
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172028.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:28  
Operator : MJB  
Sample : 0G17041-CALJ  
Misc : A20G271, CHLOR 10 ppb  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:46:44 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:24:04 2020

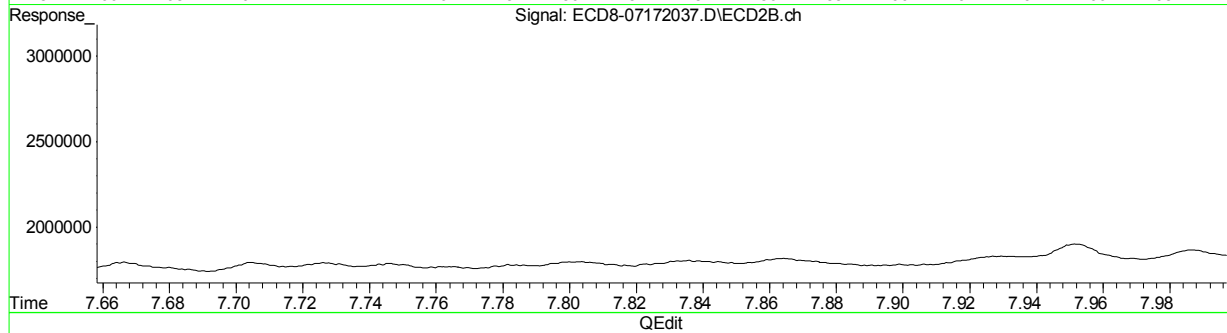
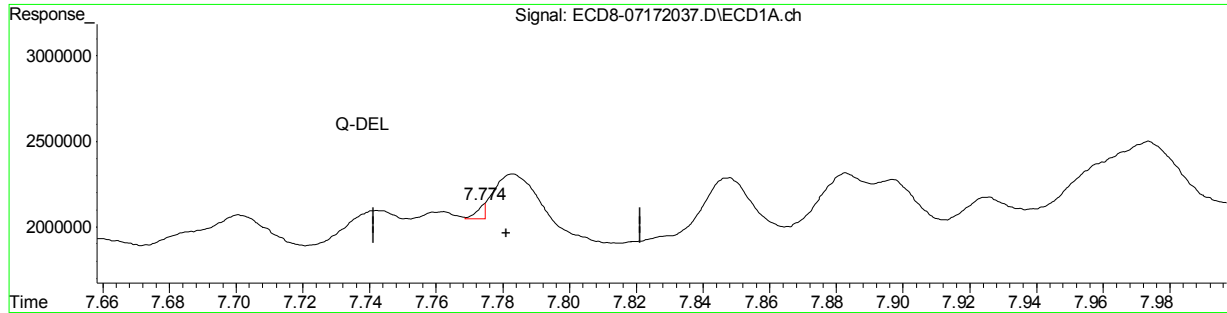


$R = -2.59e-001 A^2 + 3.25e+004 A + 1.01e+005$   
 Coef of Det ( $r^2$ ) = 1.000    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172037.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:57  
Operator : MJB  
Sample : 0G17041-CALQ  
Misc : A20F084, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 16:48:01 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(37) Toxaphene (2)  
~~7.774min 126252.761 ng/mL m-~~  
response ~~87300~~

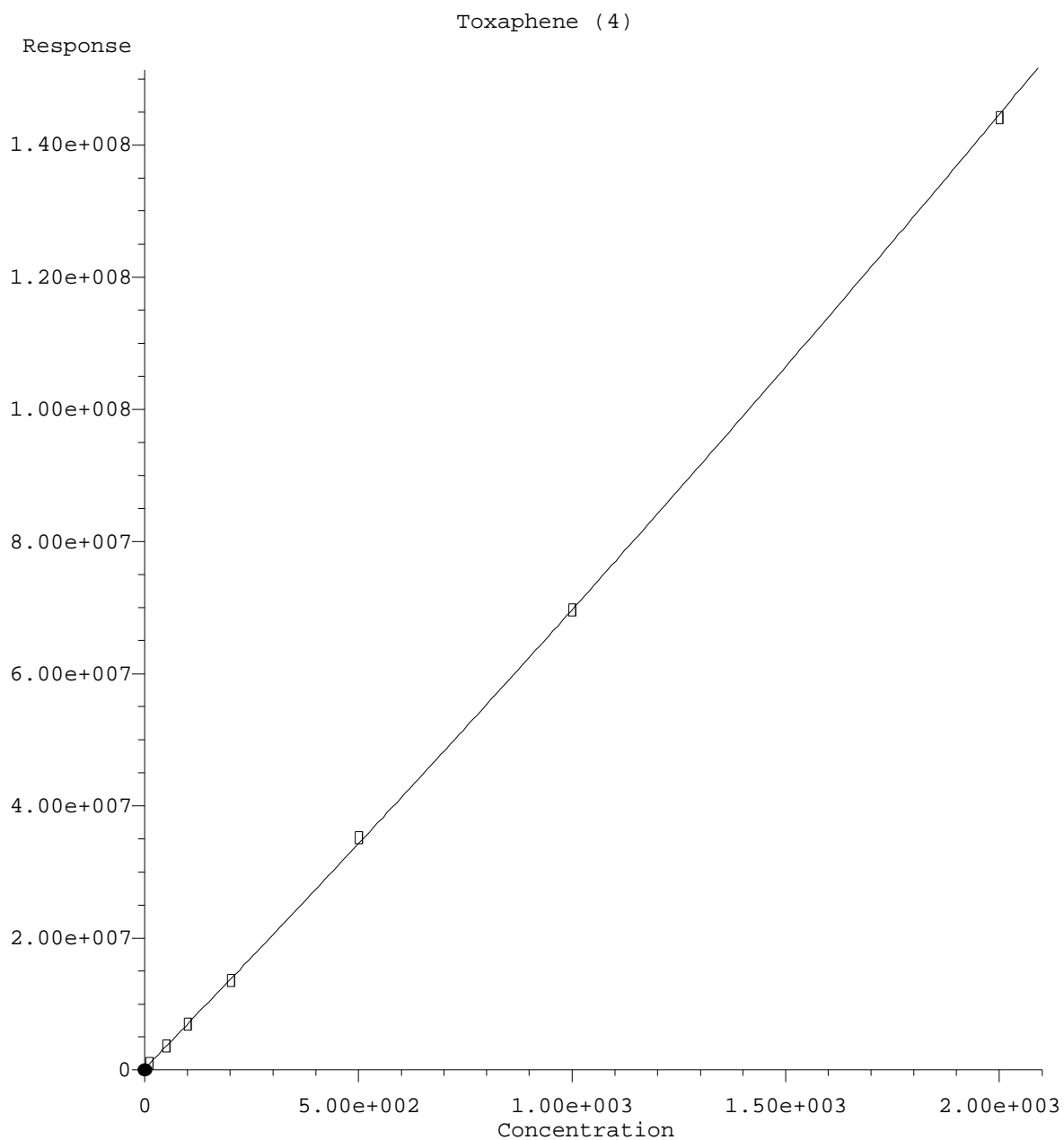
MJB 7/20/20

(37) Toxaphene (2) #2  
8.899min 10.533 ng/mL  
response 413915

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:24:38 2020

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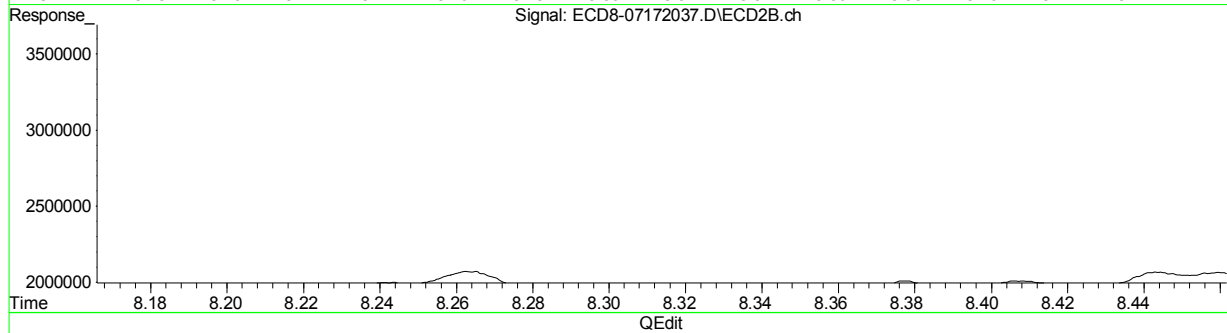
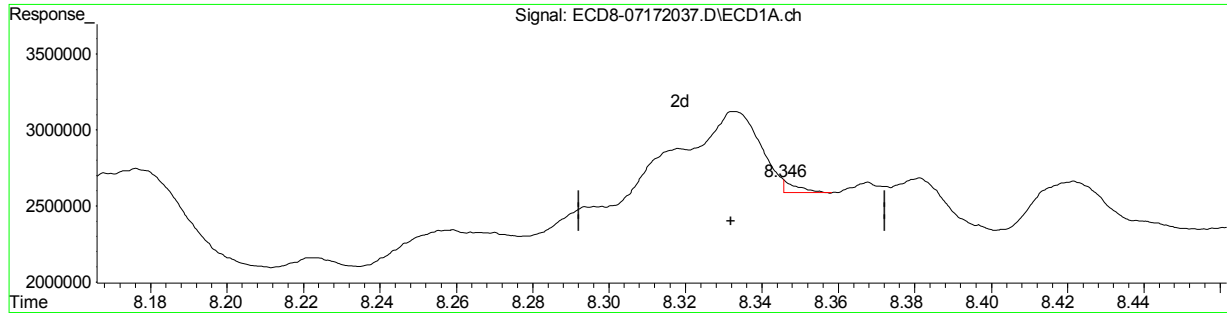


R = 2.81e+000 A\*A + 6.65e+004 A + 3.32e+005  
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172037.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:57  
Operator : MJB  
Sample : 0G17041-CALQ  
Misc : A20F084, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 16:48:01 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



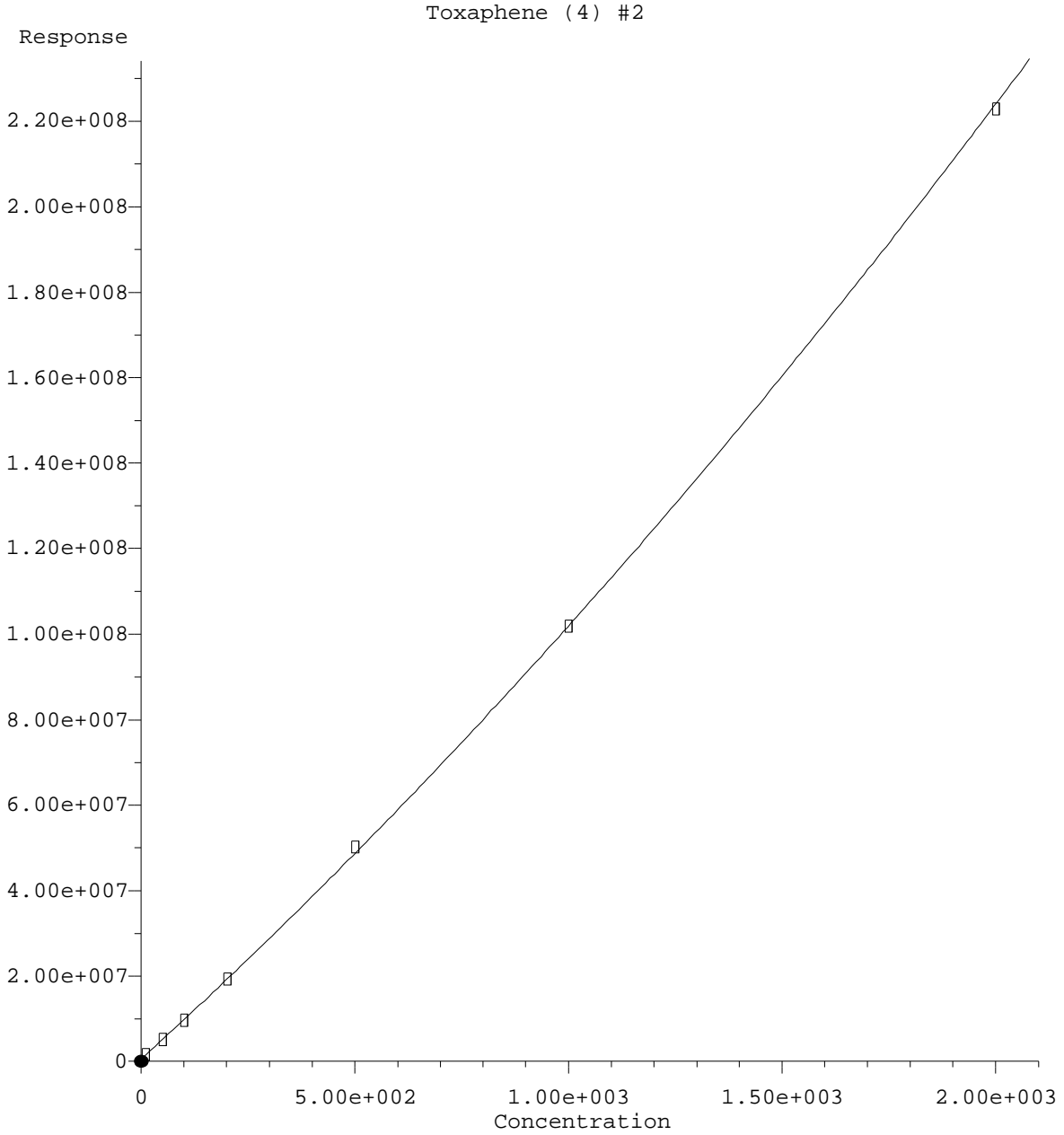
(39) Toxaphene (4)  
8.346min -3.697 ng/mL m  
response 86003

MJB 7/20/20

(39) Toxaphene (4) #2  
8.999min 10.037 ng/mL  
response 1563268

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:24:49 2020

Page: 1

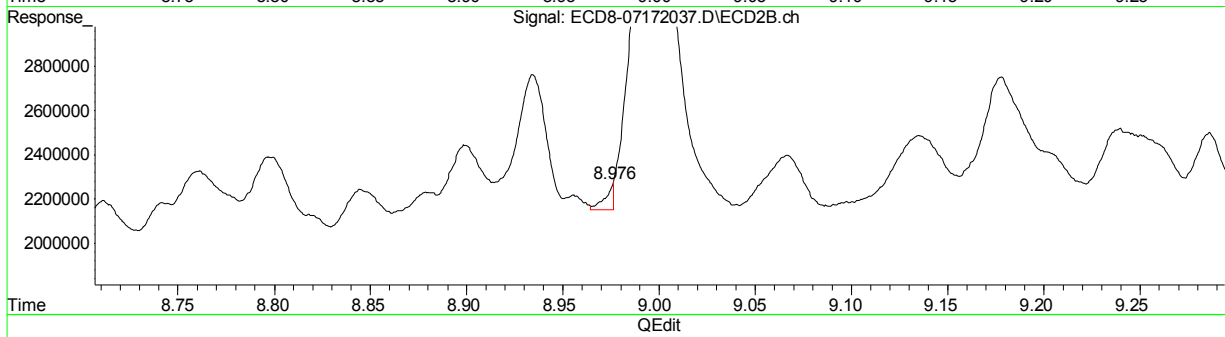
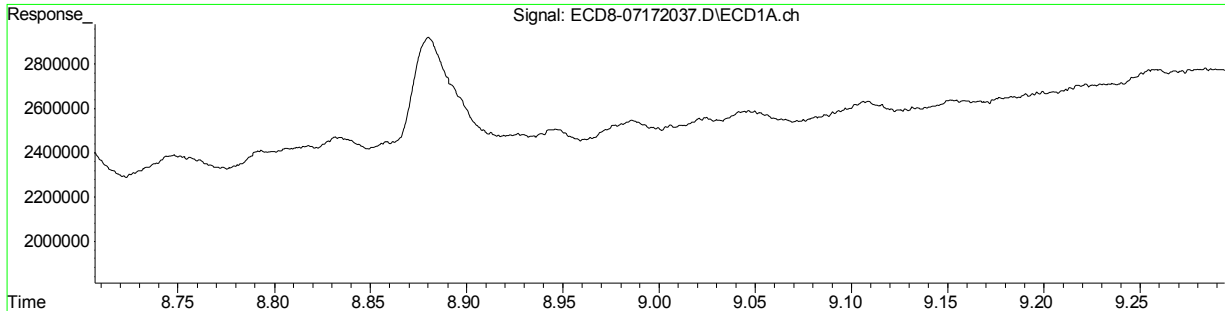


$R = 1.04e+001 A^2 + 9.09e+004 A + 6.50e+005$   
 Coef of Det ( $r^2$ ) = 1.000    Curve Fit: Quadratic w(1/a<sup>2</sup>)  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Calibration Table Last Updated: Mon Jul 20 13:08:42 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172037.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:57  
Operator : MJB  
Sample : 0G17041-CALQ  
Misc : A20F084, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 16:48:01 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(39) Toxaphene (4)  
8.346min -3.697 ng/mL m  
response 86003

MJB 7/20/20

(39) Toxaphene (4) #2  
8.976min -5.827 ng/mL m  
response 120555

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 17:25:02 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172005.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:08  
 Operator : MJB  
 Sample : 0G17041-ICB1  
 Misc : A20E115  
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:35:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.392  | 6.080  | 330.7E6 | 334.4E6 | 88.609   | 95.272     |
| 22) S DCBP (S)              | 9.598  | 10.663 | 272.4E6 | 199.1E6 | 89.397   | 89.457     |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.942  | 0.000  | 46794   | 0       | 0.010    | N.D. #     |
| 3) g-BHC                    | 6.245f | 7.007  | 22119   | 14232   | 0.005    | 0.003 #    |
| 4) b-BHC                    | 6.293  | 7.061  | 23266   | 9612    | 0.012    | 0.005 #    |
| 5) Heptachlor               | 6.631  | 7.376  | 37345   | 14178   | 0.009    | BelowCal # |
| 6) d-BHC                    | 0.000  | 7.321  | 0       | 28511   | N.D.     | 0.040 #    |
| 7) Aldrin                   | 6.873  | 7.663  | 39829   | 149206  | 0.009    | 0.032 #    |
| 8) Heptachlo...             | 0.000  | 8.083  | 0       | 16473   | N.D.     | 0.004 #    |
| 9) trans-Chl...             | 7.423  | 8.233  | 118260  | 402959  | 0.029    | 0.109 #    |
| 10) cis-Chlor...            | 7.515  | 8.327  | 324907  | 19181   | 0.079    | 0.005 #    |
| 11) Endosulfa...            | 7.626  | 8.381  | 26446   | 14164   | 0.007    | 0.004 #    |
| 12) 4,4'-DDE                | 7.567  | 8.433  | 31634   | 13047   | 0.008    | 0.022 #    |
| 13) Dieldrin                | 7.785  | 8.584  | 22973   | 13648   | 0.005    | 0.004 #    |
| 14) Endrin                  | 0.000  | 8.816  | 0       | 31154   | N.D.     | BelowCal   |
| 15) 4,4'-DDD                | 8.018  | 8.853  | 17234   | 24881   | 0.005    | 0.016 #    |
| 16) Endosulfa...            | 8.125  | 8.933f | 37408   | 17598   | 0.012    | 0.006 #    |
| 17) 4,4'-DDT                | 0.000  | 9.076  | 0       | 67837   | N.D.     | 0.011 #    |
| 18) Endrin Al...            | 8.399  | 9.203  | 152145  | 51414   | 0.046    | 0.018 #    |
| 19) Endosulfa...            | 0.000  | 9.358f | 0       | 62200   | N.D.     | BelowCal   |
| 20) Methoxychlor            | 8.542  | 9.561  | 86148   | 99109   | 0.057    | 0.067      |
| 21) Endrin Ke...            | 8.886  | 9.791  | 368005  | 188052  | 0.159    | 0.006 #    |
| 23) Hexachlor...            | 3.200f | 3.778  | 61927   | 12820   | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.773  | 6.567f | 694488  | 84424   | BelowCal | BelowCal   |
| 25) Oxychlorane             | 0.000  | 7.995  | 0       | 32979   | N.D.     | BelowCal   |
| 26) 2,4'-DDE                | 0.000  | 8.233f | 0       | 402959  | N.D.     | BelowCal   |
| 27) trans-Non...            | 7.515  | 8.277  | 324907  | 55794   | BelowCal | BelowCal   |
| 28) 2,4'-DDD                | 0.000  | 8.584  | 0       | 13648   | N.D.     | BelowCal   |
| 29) 2,4'-DDT                | 7.866  | 8.816  | 24671   | 31154   | BelowCal | BelowCal   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 15:35:30 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172005.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:08  
 Operator : MJB  
 Sample : 0G17041-ICB1  
 Misc : A20E115  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:35:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

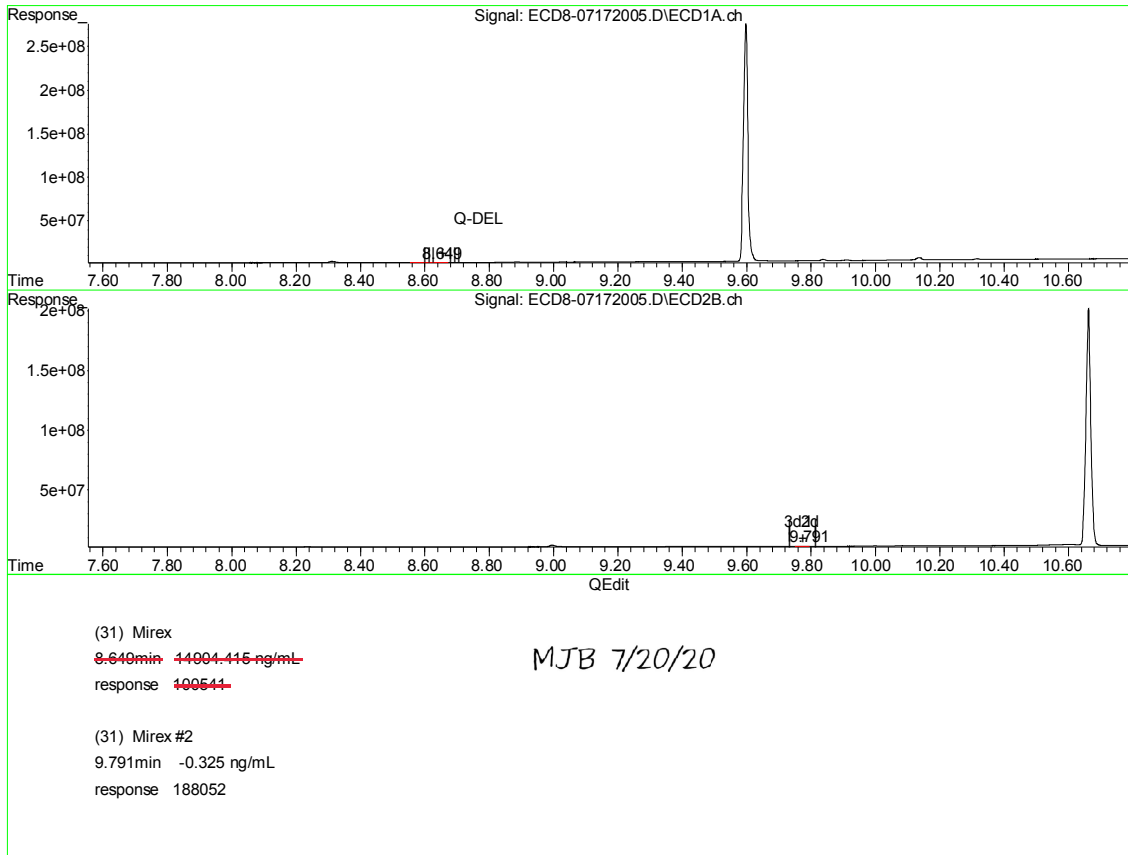
|     | Compound     | RT#1             | RT#2  | Resp#1            | Resp#2  | ng/mL                 | ng/mL         |
|-----|--------------|------------------|-------|-------------------|---------|-----------------------|---------------|
| 30) | cis-Nonac... | 0.000            | 8.853 | 0                 | 24881   | N.D.                  | BelowCal      |
| 31) | Mirex        | <del>8.649</del> | 9.791 | <del>100541</del> | 188052  | <del>14904.415</del>  | BelowCal #    |
| 32) | Chlordane... | 7.423            | 8.233 | 118260            | 402959  | 0.261                 | Q-DEL 0.912 # |
| 33) | Chlordane... | 7.515            | 8.318 | 324907            | 16355   | 0.591                 | 0.044 #       |
| 34) | Chlordane... | 8.018f           | 8.996 | 17234             | 1759410 | 0.119                 | 6.741 #       |
| 35) | Chlordane... | 0.000            | 0.000 | 0                 | 0       | N.D.                  | N.D.          |
| 36) | Toxaphene... | 7.475            | 8.562 | 25436             | 11445   | 1.479                 | Q-DEL 0.378 # |
| 37) | Toxaphene... | <del>7.785</del> | 8.899 | <del>22073</del>  | 9449    | <del>125254.743</del> | 0.240 #       |
| 38) | Toxaphene... | 8.125f           | 8.933 | 37408             | 17598   | 0.496                 | 0.278 #       |
| 39) | Toxaphene... | 8.312f           | 8.996 | 1572318           | 1759410 | 18.623                | 12.189 #      |
| 40) | Toxaphene... | 8.542            | 9.168 | 86148             | 99681   | 1.542                 | 1.756         |
| 41) | Toxaphene... | 8.649f           | 9.561 | 100541            | 99109   | 1.308                 | 1.531         |
| 42) | Toxaphene... | 0.000            | 0.000 | 0                 | 0       | N.D.                  | N.D.          |

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172005.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:08  
Operator : MJB  
Sample : 0G17041-ICB1  
Misc : A20E115  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:35:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation

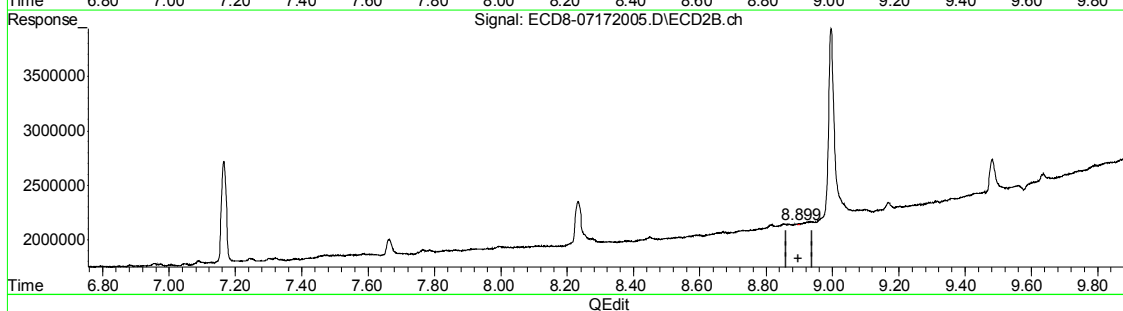
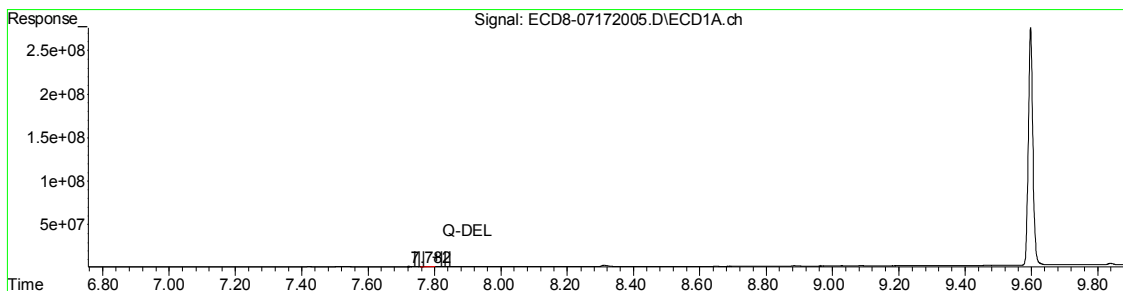


(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 15:36:44 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172005.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:08  
Operator : MJB  
Sample : 0G17041-ICB1  
Misc : A20E115  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:35:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



(37) Toxaphene (2)  
~~7.786min 126264.742 ng/mL~~  
~~response 22073~~

MJB 7/20/20

(37) Toxaphene (2) #2  
8.899min 0.240 ng/mL  
response 9449

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_200717.M Mon Jul 20 15:37:00 2020

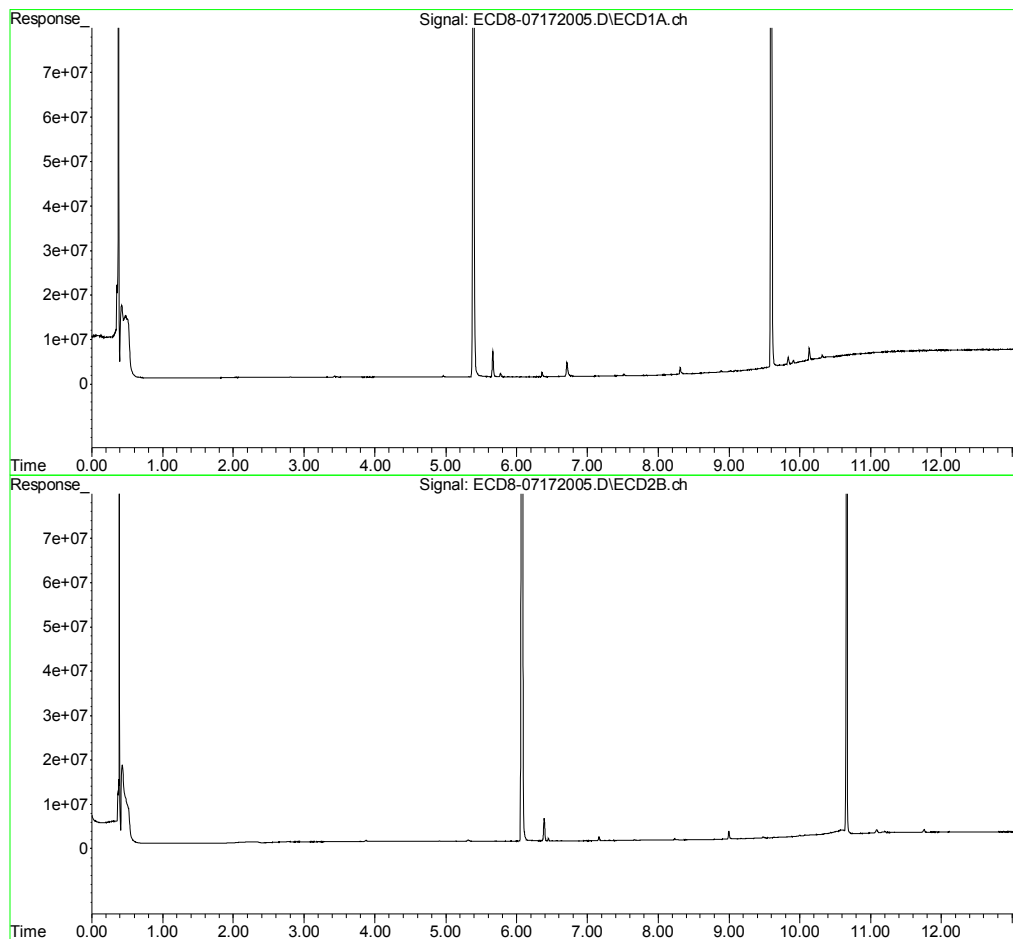
Page: 1



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172005.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:08  
Operator : MJB  
Sample : 0G17041-ICB1  
Misc : A20E115  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:35:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172015.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:53  
 Operator : MJB  
 Sample : 0G17041-IBL1  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:37:41 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|--------|--------|------------|------------|
| -----                       |        |        |        |        |            |            |
| System Monitoring Compounds |        |        |        |        |            |            |
| 1) S TCMX (S)               | 5.391  | 6.079  | 44198  | 39577  | 0.012      | 0.011      |
| 22) S DCBP (S)              | 9.617f | 10.659 | 350790 | 462766 | BelowCal   | BelowCal   |
| Target Compounds            |        |        |        |        |            |            |
| 2) a-BHC                    | 5.936  | 6.685  | 71662  | 36101  | 0.015      | 0.049 #    |
| 3) g-BHC                    | 6.222  | 7.000  | 45257  | 31629  | 0.010      | 0.007 #    |
| 4) b-BHC                    | 6.294  | 7.067  | 210348 | 44420  | 0.106      | 0.024 #    |
| 5) Heptachlor               | 0.000  | 7.405f | 0      | 158213 | N.D.       | 0.008 #    |
| 6) d-BHC                    | 6.449  | 7.321  | 64166  | 74210  | 0.016      | 0.052 #    |
| 7) Aldrin                   | 6.878  | 7.643  | 193170 | 25391  | 0.044      | BelowCal # |
| 8) Heptachlo...             | 7.327  | 8.083  | 36742  | 50738  | 0.009      | 0.014 #    |
| 9) trans-Chl...             | 7.425  | 8.235  | 222754 | 240955 | 0.054      | 0.065      |
| 10) cis-Chlor...            | 7.520  | 8.342  | 219343 | 124359 | 0.053      | 0.035 #    |
| 11) Endosulfa...            | 7.620  | 8.378  | 55776  | 87352  | 0.015      | 0.026 #    |
| 12) 4,4'-DDE                | 7.580  | 8.431  | 76535  | 43574  | 0.019      | 0.031 #    |
| 13) Dieldrin                | 7.788  | 8.580  | 52032  | 51337  | 0.012      | 0.014      |
| 14) Endrin                  | 7.950  | 8.808  | 111433 | 61404  | 0.037      | BelowCal # |
| 15) 4,4'-DDD                | 8.001  | 8.847  | 66007  | 72598  | 0.020      | 0.033 #    |
| 16) Endosulfa...            | 8.116  | 8.958  | 70520  | 83633  | 0.022      | 0.029 #    |
| 17) 4,4'-DDT                | 8.199  | 9.076  | 23616  | 91564  | 0.008      | 0.020 #    |
| 18) Endrin Al...            | 8.401  | 9.194  | 425170 | 346438 | 0.129      | 0.122      |
| 19) Endosulfa...            | 8.703  | 9.384  | 98960  | 157667 | 0.034      | 0.018 #    |
| 20) Methoxychlor            | 8.544  | 9.554  | 27589  | 210193 | 0.018      | 0.142 #    |
| 21) Endrin Ke...            | 8.882  | 9.786  | 464712 | 239607 | 0.201      | 0.037 #    |
| 23) Hexachlor...            | 3.188  | 3.777  | 45055  | 6811   | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.741f | 6.563f | 137706 | 93651  | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.217f | 8.005  | 18313  | 26281  | 104477.346 | BelowCal # |
| 26) 2,4'-DDE                | 7.327  | 8.192  | 36742  | 8623   | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.520  | 8.275  | 219343 | 72672  | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 7.727f | 8.580  | 4998   | 51337  | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.876  | 8.808  | 11364  | 61404  | BelowCal   | BelowCal   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172015.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:53  
 Operator : MJB  
 Sample : 0G17041-IBL1  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:37:41 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

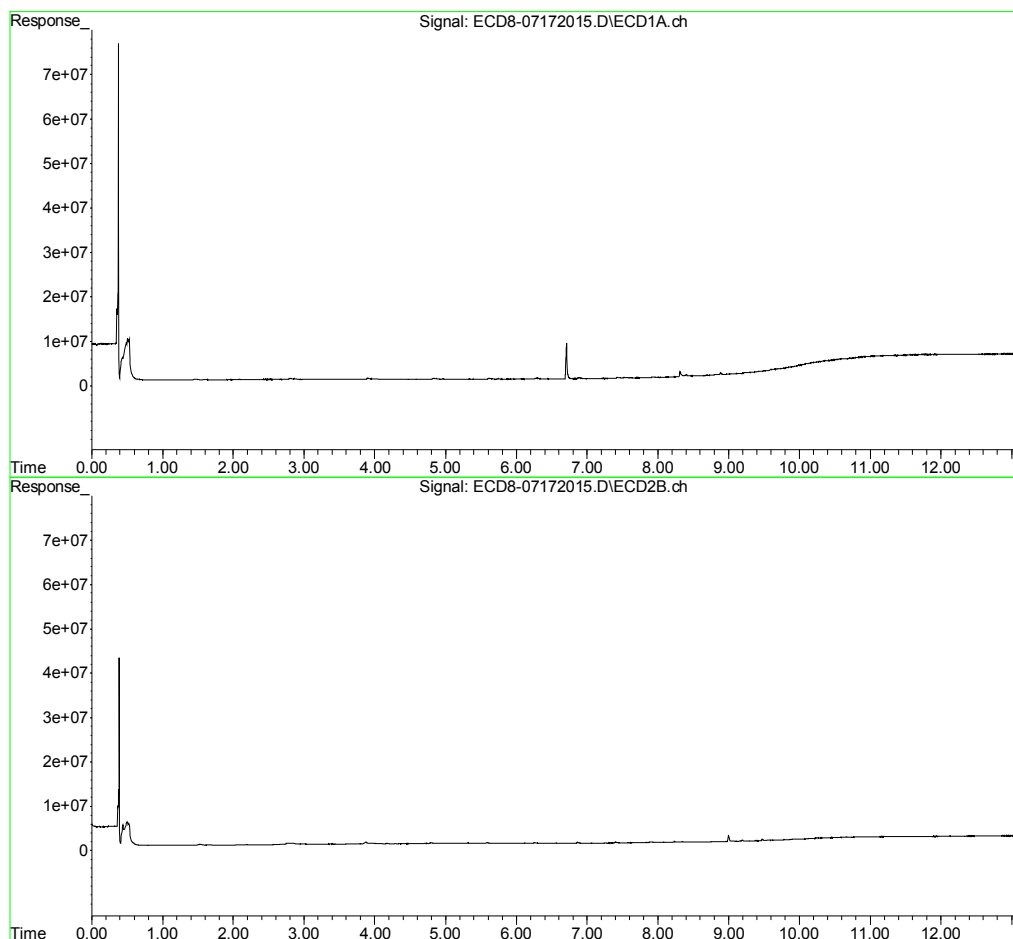
|     | Compound     | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/mL      | ng/mL    |
|-----|--------------|--------|-------|---------|---------|------------|----------|
| 30) | cis-Nonac... | 7.950f | 8.847 | 111433  | 72598   | BelowCal   | BelowCal |
| 31) | Mirex        | 0.000  | 9.786 | 0       | 239607  | N.D.       | BelowCal |
| 32) | Chlordane... | 7.425  | 8.235 | 222754  | 240955  | 0.492      | 0.545    |
| 33) | Chlordane... | 7.520  | 8.342 | 219343  | 124359  | 0.399      | 0.334    |
| 34) | Chlordane... | 8.026f | 8.995 | 8779    | 1374105 | 0.061      | 3.106 #  |
| 35) | Chlordane... | 0.000  | 0.000 | 0       | 0       | N.D.       | N.D.     |
| 36) | Toxaphene... | 7.520f | 8.553 | 219343  | 4530    | 12.751     | 0.150 #  |
| 37) | Toxaphene... | 7.788  | 8.896 | 52032   | 13956   | 125253.847 | 0.355 #  |
| 38) | Toxaphene... | 8.116f | 8.930 | 70520   | 46039   | 0.936      | 0.728    |
| 39) | Toxaphene... | 8.315  | 8.995 | 1131941 | 1374105 | 12.014     | 7.960 #  |
| 40) | Toxaphene... | 8.544  | 9.170 | 27589   | 179503  | 0.494      | 3.162 #  |
| 41) | Toxaphene... | 0.000  | 9.554 | 0       | 210193  | N.D.       | 3.246 #  |
| 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\2020-07\0G17041\  
Data File : ECD8-07172015.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:53  
Operator : MJB  
Sample : 0G17041-IBL1  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:37:41 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172016.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:10  
 Operator : MJB  
 Sample : 0G17041-ICV1  
 Misc : A20G270, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:37:58 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|-------|--------|----------|----------|----------|------------|
| -----                       |       |        |          |          |          |            |
| System Monitoring Compounds |       |        |          |          |          |            |
| 1) S TCMX (S)               | 5.389 | 6.078  | 179.9E6  | 179.3E6  | 48.194   | 51.080     |
| 22) S DCBP (S)              | 9.593 | 10.658 | 151.9E6  | 109.5E6  | 49.875   | 50.813     |
| Target Compounds            |       |        |          |          |          |            |
| 2) a-BHC                    | 5.931 | 6.684  | 242.8E6  | 243.8E6  | 49.305   | 51.142     |
| 3) g-BHC                    | 6.215 | 7.002  | 226.5E6  | 219.4E6  | 51.216   | 52.062     |
| 4) b-BHC                    | 6.294 | 7.064  | 93260987 | 89235005 | 46.974   | 47.334     |
| 5) Heptachlor               | 6.624 | 7.377  | 211.5E6  | 208.8E6  | 49.944   | 50.834     |
| 6) d-BHC                    | 6.444 | 7.321  | 208.5E6  | 206.4E6  | 50.536   | 50.557     |
| 7) Aldrin                   | 6.864 | 7.643  | 215.5E6  | 202.9E6  | 49.376   | 51.479     |
| 8) Heptachlo...             | 7.325 | 8.081  | 196.5E6  | 177.0E6  | 48.526   | 48.364     |
| 9) trans-Chl...             | 7.420 | 8.220  | 196.2E6  | 184.4E6  | 47.424   | 49.776     |
| 10) cis-Chlor...            | 7.516 | 8.327  | 188.0E6  | 174.8E6  | 45.851   | 49.268     |
| 11) Endosulfa...            | 7.614 | 8.379  | 181.6E6  | 169.5E6  | 48.120   | 51.170     |
| 12) 4,4'-DDE                | 7.579 | 8.430  | 202.5E6  | 197.3E6  | 49.525   | 52.588     |
| 13) Dieldrin                | 7.786 | 8.580  | 203.2E6  | 195.1E6  | 48.047   | 53.041     |
| 14) Endrin                  | 7.951 | 8.809  | 154.6E6  | 142.2E6  | 51.135   | 53.907     |
| 15) 4,4'-DDD                | 8.000 | 8.847  | 165.1E6  | 161.3E6  | 49.422   | 51.862     |
| 16) Endosulfa...            | 8.110 | 8.956  | 165.8E6  | 152.8E6  | 51.279   | 52.081     |
| 17) 4,4'-DDT                | 8.198 | 9.074  | 160.6E6  | 155.5E6  | 51.984   | 54.013     |
| 18) Endrin Al...            | 8.399 | 9.193  | 142.7E6  | 128.9E6  | 43.327   | 45.277     |
| 19) Endosulfa...            | 8.701 | 9.383  | 151.7E6  | 142.3E6  | 52.382   | 54.820     |
| 20) Methoxychlor            | 8.540 | 9.554  | 76063640 | 72671574 | 50.190   | 49.010     |
| 21) Endrin Ke...            | 8.894 | 9.785  | 108.1E6  | 90858366 | 46.749   | 50.001     |
| 23) Hexachlor...            | 3.182 | 3.778  | 24100    | 24066    | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.770 | 6.542  | 413123   | 21286    | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.262 | 7.991  | 930296   | 187568   | 0.088    | BelowCal # |
| 26) 2,4'-DDE                | 7.325 | 8.220  | 196.5E6  | 184.4E6  | 75.205   | 75.797     |
| 27) trans-Non...            | 7.516 | 8.280  | 188.0E6  | 567013   | 49.783   | BelowCal # |
| 28) 2,4'-DDD                | 7.702 | 8.580  | 2446931  | 195.1E6  | 0.901    | 89.519 #   |
| 29) 2,4'-DDT                | 7.883 | 8.809  | 928211   | 142.2E6  | 0.218    | 64.462 #   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 15:38:06 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172016.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:10  
 Operator : MJB  
 Sample : 0G17041-ICV1  
 Misc : A20G270, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:37:58 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

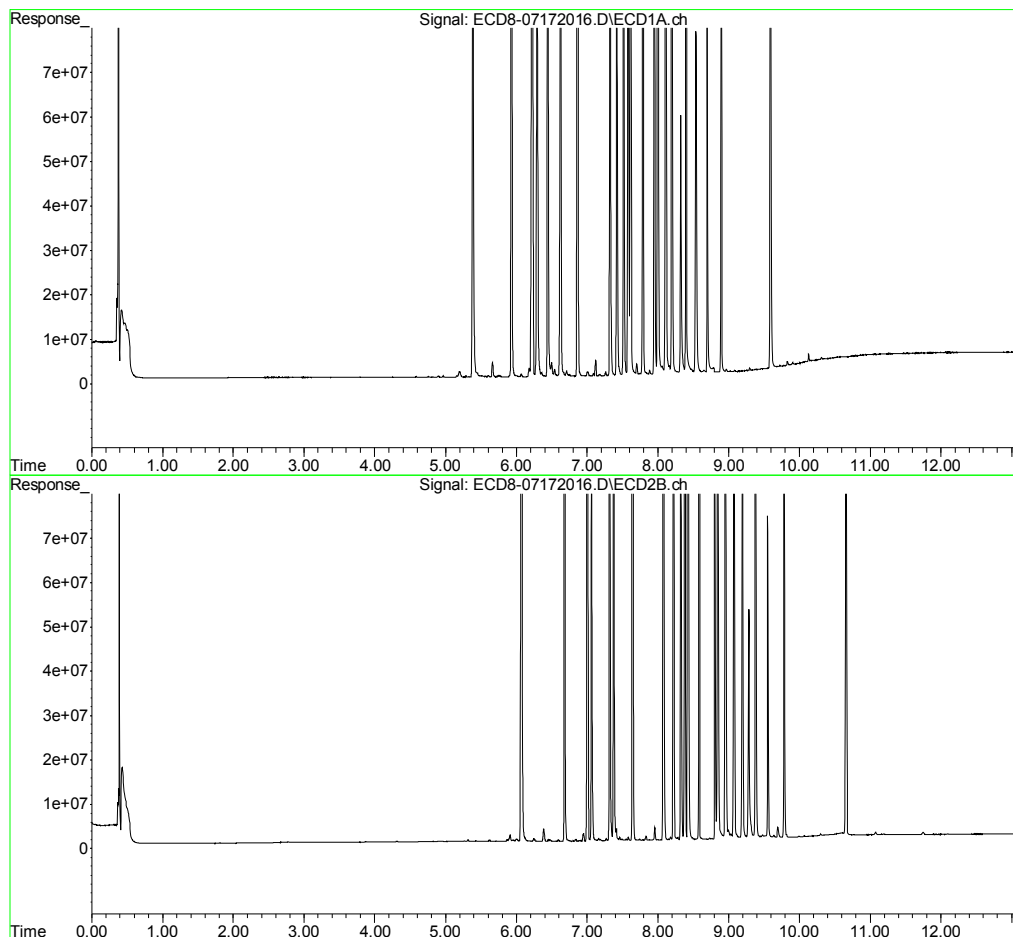
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|----------|----------|-----------|------------|
| 30) | cis-Nonac... | 7.951f | 8.847  | 154.6E6  | 161.3E6  | 37.700    | 43.556     |
| 31) | Mirex        | 8.649  | 9.785  | 486112   | 90858366 | 14904.268 | 41.314 #   |
| 32) | Chlordane... | 7.420  | 8.220  | 196.2E6  | 184.4E6  | 433.738   | 417.459    |
| 33) | Chlordane... | 7.516  | 8.327  | 188.0E6  | 174.8E6  | 341.765   | 469.609 #  |
| 34) | Chlordane... | 8.062  | 8.994  | 1761152  | 2096930  | 12.143    | 9.923      |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.516f | 8.580f | 188.0E6  | 195.1E6  | 10931.283 | 6451.477 # |
| 37) | Toxaphene... | 7.786  | 0.000  | 203.2E6  | 0        | 6600.707  | N.D. #     |
| 38) | Toxaphene... | 8.110  | 8.956f | 165.8E6  | 152.8E6  | 2200.730  | 2416.216   |
| 39) | Toxaphene... | 8.326  | 8.994  | 58080572 | 2096930  | 838.069   | 15.890 #   |
| 40) | Toxaphene... | 8.540f | 9.193  | 76063640 | 128.9E6  | 1361.898  | 2270.243 # |
| 41) | Toxaphene... | 8.649  | 9.554  | 486112   | 72671574 | 6.323     | 1122.381 # |
| 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\2020-07\0G17041\  
Data File : ECD8-07172016.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:10  
Operator : MJB  
Sample : 0G17041-ICV1  
Misc : A20G270, AB 50 ppb  
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:37:58 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172026.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:55  
 Operator : MJB  
 Sample : 0G17041-IBL2  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:38:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|--------|--------|------------|------------|
| -----                       |        |        |        |        |            |            |
| System Monitoring Compounds |        |        |        |        |            |            |
| 1) S TCMX (S)               | 5.392  | 6.080  | 22712  | 14192  | 0.006      | 0.004 #    |
| 22) S DCBP (S)              | 0.000  | 10.654 | 0      | 406911 | N.D.       | BelowCal   |
| Target Compounds            |        |        |        |        |            |            |
| 2) a-BHC                    | 5.935  | 6.684  | 57485  | 13121  | 0.012      | 0.044 #    |
| 3) g-BHC                    | 6.213  | 6.999  | 29355  | 12321  | 0.007      | 0.002 #    |
| 4) b-BHC                    | 6.281  | 7.064  | 201386 | 25911  | 0.101      | 0.014 #    |
| 5) Heptachlor               | 6.651f | 7.391  | 20990  | 169420 | 0.005      | 0.011 #    |
| 6) d-BHC                    | 6.446  | 7.318  | 45596  | 47490  | 0.011      | 0.045 #    |
| 7) Aldrin                   | 6.871  | 7.633  | 204402 | 6767   | 0.047      | BelowCal # |
| 8) Heptachlo...             | 7.328  | 8.082  | 26299  | 21007  | 0.006      | 0.006      |
| 9) trans-Chl...             | 7.422  | 8.210  | 198955 | 32784  | 0.048      | 0.009 #    |
| 10) cis-Chlor...            | 7.523  | 8.334  | 117674 | 142931 | 0.029      | 0.040 #    |
| 11) Endosulfa...            | 7.628  | 8.400  | 27037  | 5215   | 0.007      | 0.002 #    |
| 12) 4,4'-DDE                | 0.000  | 8.418  | 0      | 7929   | N.D.       | 0.021 #    |
| 13) Dieldrin                | 7.786  | 8.578  | 14921  | 45163  | 0.004      | 0.012 #    |
| 14) Endrin                  | 7.975f | 8.825  | 35349  | 7312   | 0.012      | BelowCal # |
| 15) 4,4'-DDD                | 8.001  | 8.846  | 27465  | 64470  | 0.008      | 0.030 #    |
| 16) Endosulfa...            | 8.116  | 8.959  | 43629  | 51092  | 0.013      | 0.017 #    |
| 17) 4,4'-DDT                | 0.000  | 9.070  | 0      | 84551  | N.D.       | 0.017 #    |
| 18) Endrin Al...            | 8.398  | 9.191  | 220659 | 171439 | 0.067      | 0.060      |
| 19) Endosulfa...            | 8.702  | 9.383  | 48598  | 115528 | 0.017      | 0.001 #    |
| 20) Methoxychlor            | 0.000  | 9.548  | 0      | 194748 | N.D.       | 0.131 #    |
| 21) Endrin Ke...            | 8.879  | 9.784  | 488277 | 221923 | 0.211      | 0.027 #    |
| 23) Hexachlor...            | 3.194  | 3.769  | 13427  | 17134  | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.745f | 6.542  | 140285 | 47569  | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.251  | 8.005  | 18192  | 37181  | 104477.346 | BelowCal # |
| 26) 2,4'-DDE                | 7.328  | 8.210  | 26299  | 32784  | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.523  | 8.275  | 117674 | 83062  | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 7.701  | 8.578  | 22848  | 45163  | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.917f | 8.825  | 146697 | 7312   | BelowCal   | BelowCal   |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172026.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:55  
 Operator : MJB  
 Sample : 0G17041-IBL2  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:38:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

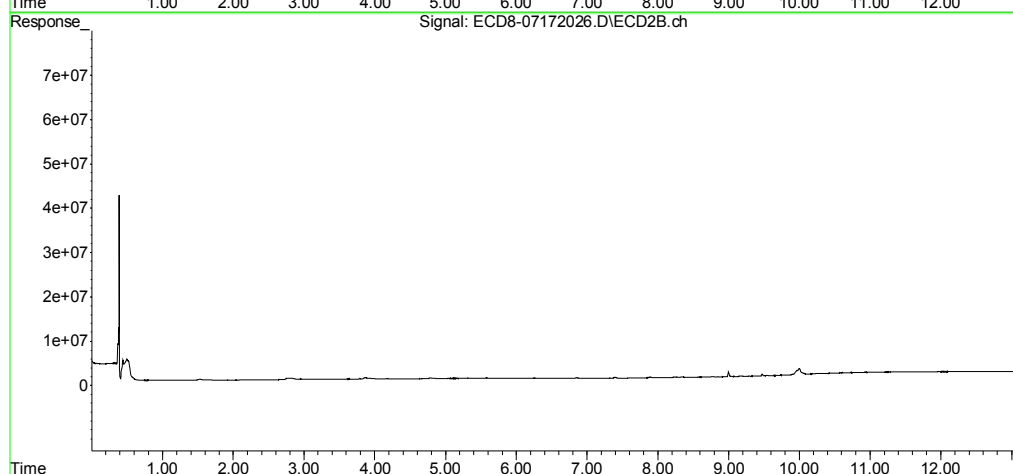
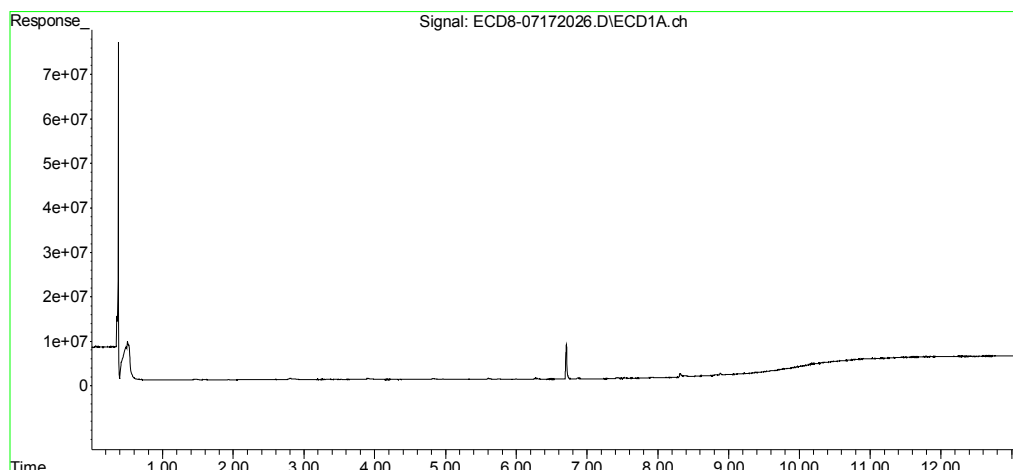
|     | Compound     | RT#1   | RT#2   | Resp#1 | Resp#2  | ng/mL      | ng/mL      |
|-----|--------------|--------|--------|--------|---------|------------|------------|
| 30) | cis-Nonac... | 7.975  | 8.846  | 35349  | 64470   | BelowCal   | BelowCal   |
| 31) | Mirex        | 8.640  | 9.779  | 41660  | 224315  | 14904.438  | BelowCal # |
| 32) | Chlordane... | 7.422  | 8.210  | 198955 | 32784   | 0.440      | 0.074 #    |
| 33) | Chlordane... | 7.523  | 8.334  | 117674 | 142931  | 0.214      | 0.384 #    |
| 34) | Chlordane... | 0.000  | 8.994  | 0      | 1068297 | N.D.       | 0.218 #    |
| 35) | Chlordane... | 0.000  | 0.000  | 0      | 0       | N.D.       | N.D.       |
| 36) | Toxaphene... | 7.523f | 8.537  | 117674 | 5073    | 6.841      | 0.168 #    |
| 37) | Toxaphene... | 7.786  | 8.874f | 14921  | 11453   | 125254.990 | 0.291 #    |
| 38) | Toxaphene... | 8.116f | 8.930  | 43629  | 42337   | 0.579      | 0.670      |
| 39) | Toxaphene... | 8.315  | 8.994  | 823174 | 1068297 | 7.378      | 4.601 #    |
| 40) | Toxaphene... | 0.000  | 9.191  | 0      | 171439  | N.D.       | 3.020 #    |
| 41) | Toxaphene... | 8.640  | 9.548  | 41660  | 194748  | 0.542      | 3.008 #    |
| 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\2020-07\0G17041\  
Data File : ECD8-07172026.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:55  
Operator : MJB  
Sample : 0G17041-IBL2  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:38:35 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172027.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:11  
 Operator : MJB  
 Sample : 0G17041-ICV2  
 Misc : A20C360, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:38:49 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL      |
|-----------------------------|--------|--------|---------|---------|--------|------------|
| System Monitoring Compounds |        |        |         |         |        |            |
| 1) S TCMX (S)               | 5.361f | 6.068  | 475727  | 26522   | 0.127  | 0.008 #    |
| 22) S DCBP (S)              | 0.000  | 10.642 | 0       | 332053  | N.D.   | BelowCal   |
| Target Compounds            |        |        |         |         |        |            |
| 2) a-BHC                    | 5.934  | 6.683  | 206581  | 123578  | 0.042  | 0.069 #    |
| 3) g-BHC                    | 6.185f | 7.003  | 403169  | 20879   | 0.091  | 0.004 #    |
| 4) b-BHC                    | 6.285  | 7.065  | 37842   | 25361   | 0.019  | 0.013 #    |
| 5) Heptachlor               | 6.622  | 7.375  | 96387   | 86344   | 0.023  | BelowCal # |
| 6) d-BHC                    | 6.447  | 7.341f | 24926   | 71187   | 0.006  | 0.051 #    |
| 7) Aldrin                   | 6.865  | 7.635  | 17860   | 7981    | 0.004  | BelowCal # |
| 8) Heptachlo...             | 7.325  | 8.107f | 135.2E6 | 318169  | 33.381 | 0.087 #    |
| 9) trans-Chl...             | 7.417  | 8.207  | 2918622 | 127.4E6 | 0.705  | 34.380 #   |
| 10) cis-Chlor...            | 7.505  | 8.325  | 200.2E6 | 4198606 | 48.821 | 1.183 #    |
| 11) Endosulfa...            | 7.594f | 8.387  | 377821  | 291959  | 0.100  | 0.088      |
| 12) 4,4'-DDE                | 7.594  | 8.397f | 377821  | 282723  | 0.092  | 0.101      |
| 13) Dieldrin                | 7.787  | 8.579  | 552493  | 106.1E6 | 0.131  | 28.857 #   |
| 14) Endrin                  | 7.975f | 8.805  | 219.7E6 | 123.9E6 | 72.644 | 47.424 #   |
| 15) 4,4'-DDD                | 7.975f | 8.846  | 219.7E6 | 196.7E6 | 65.765 | 62.220     |
| 16) Endosulfa...            | 0.000  | 8.994f | 0       | 1085386 | N.D.   | 0.370 #    |
| 17) 4,4'-DDT                | 8.194  | 9.071  | 80478   | 111294  | 0.026  | 0.027      |
| 18) Endrin Al...            | 8.401  | 9.194  | 175477  | 102925  | 0.053  | 0.036 #    |
| 19) Endosulfa...            | 0.000  | 9.352f | 0       | 62299   | N.D.   | BelowCal   |
| 20) Methoxychlor            | 8.540  | 9.569  | 17427   | 264927  | 0.011  | 0.179 #    |
| 21) Endrin Ke...            | 8.880  | 9.775  | 374770  | 110.0E6 | 0.162  | 59.434 #   |
| 23) Hexachlor...            | 3.181  | 3.775  | 175.7E6 | 202.0E6 | 50.440 | 51.812     |
| 24) Hexachlor...            | 5.768  | 6.541  | 186.4E6 | 182.2E6 | 51.765 | 51.994     |
| 25) Oxychlorane             | 7.250  | 8.006  | 181.2E6 | 163.0E6 | 52.884 | 53.353     |
| 26) 2,4'-DDE                | 7.325  | 8.207  | 135.2E6 | 127.4E6 | 52.004 | 53.764     |
| 27) trans-Non...            | 7.505  | 8.279  | 200.2E6 | 183.7E6 | 53.015 | 54.087     |
| 28) 2,4'-DDD                | 7.698  | 8.579  | 116.7E6 | 106.1E6 | 51.623 | 50.981     |
| 29) 2,4'-DDT                | 7.880  | 8.805  | 132.0E6 | 123.9E6 | 55.723 | 56.688     |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172027.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:11  
 Operator : MJB  
 Sample : 0G17041-ICV2  
 Misc : A20C360, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:38:49 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

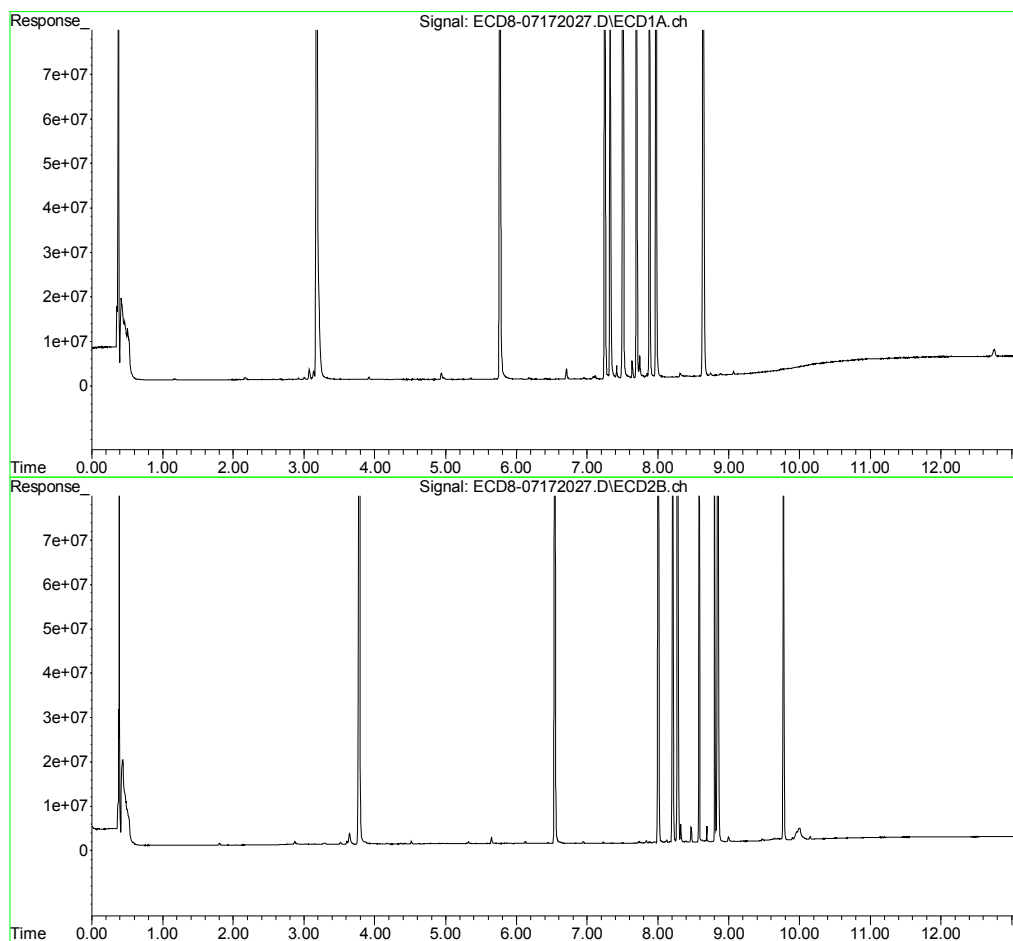
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|-------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.975 | 8.846  | 219.7E6 | 196.7E6 | 53.507    | 52.611     |
| 31) | Mirex        | 8.641 | 9.775  | 130.4E6 | 110.0E6 | 49.753    | 49.744     |
| 32) | Chlordane... | 7.417 | 8.207  | 2918622 | 127.4E6 | 6.452     | 288.342 #  |
| 33) | Chlordane... | 7.505 | 8.325  | 200.2E6 | 4198606 | 363.903   | 11.280 #   |
| 34) | Chlordane... | 0.000 | 8.994  | 0       | 1085386 | N.D.      | 0.380 #    |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.505 | 8.579f | 200.2E6 | 106.1E6 | 11639.355 | 3509.880 # |
| 37) | Toxaphene... | 7.787 | 8.913  | 552493  | 207039  | 13.898    | 5.269 #    |
| 38) | Toxaphene... | 0.000 | 8.913f | 0       | 207039  | N.D.      | 3.274 #    |
| 39) | Toxaphene... | 8.314 | 8.994  | 817230  | 1085386 | 7.289     | 4.788 #    |
| 40) | Toxaphene... | 8.549 | 9.167  | 17460   | 98193   | 0.313     | 1.729 #    |
| 41) | Toxaphene... | 8.641 | 9.569  | 130.4E6 | 264927  | 1696.042  | 4.092 #    |
| 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\2020-07\0G17041\  
Data File : ECD8-07172027.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:11  
Operator : MJB  
Sample : 0G17041-ICV2  
Misc : A20C360, 9-42 50 ppb  
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:38:49 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172035.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch **CLEAN**  
 Acq On : 18 Jul 2020 2:24  
 Operator : MJB  
 Sample : 0G17041-IBL3  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1 **MJB 7/20/20**

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:39:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|--------|--------|------------|------------|
| -----                       |        |        |        |        |            |            |
| System Monitoring Compounds |        |        |        |        |            |            |
| 1) S TCMX (S)               | 5.355f | 6.074  | 21913  | 14824  | 0.006      | 0.004 #    |
| 22) S DCBP (S)              | 9.600  | 10.656 | 283728 | 181563 | BelowCal   | BelowCal   |
| Target Compounds            |        |        |        |        |            |            |
| 2) a-BHC                    | 5.933  | 6.687  | 42840  | 21655  | 0.009      | 0.046 #    |
| 3) g-BHC                    | 6.214  | 6.997  | 22828  | 12270  | 0.005      | 0.002 #    |
| 4) b-BHC                    | 6.288  | 7.061  | 190056 | 27882  | 0.096      | 0.015 #    |
| 5) Heptachlor               | 6.621  | 7.393  | 19537  | 167440 | 0.005      | 0.010 #    |
| 6) d-BHC                    | 6.446  | 7.317  | 44405  | 50821  | 0.011      | 0.046 #    |
| 7) Aldrin                   | 6.870  | 7.636  | 196001 | 6564   | 0.045      | BelowCal # |
| 8) Heptachlo...             | 7.325  | 8.084  | 13352  | 11711  | 0.003      | 0.003      |
| 9) trans-Chl...             | 7.420  | 8.235  | 221985 | 120881 | 0.054      | 0.033 #    |
| 10) cis-Chlor...            | 7.521  | 8.329  | 88566  | 149209 | 0.022      | 0.042 #    |
| 11) Endosulfa...            | 7.606  | 8.395  | 24571  | 6108   | 0.007      | 0.002 #    |
| 12) 4,4'-DDE                | 7.562  | 8.446  | 47513  | 33663  | 0.012      | 0.028 #    |
| 13) Dieldrin                | 7.782  | 8.575  | 22131  | 29127  | 0.005      | 0.008 #    |
| 14) Endrin                  | 7.913f | 8.842f | 146789 | 40712  | 0.049      | BelowCal # |
| 15) 4,4'-DDD                | 7.996  | 8.842  | 21664  | 40712  | 0.006      | 0.022 #    |
| 16) Endosulfa...            | 8.114  | 8.956  | 37280  | 36457  | 0.012      | 0.012      |
| 17) 4,4'-DDT                | 8.195  | 9.071  | 11010  | 58334  | 0.004      | 0.007 #    |
| 18) Endrin Al...            | 8.396  | 9.189  | 228663 | 133587 | 0.069      | 0.047 #    |
| 19) Endosulfa...            | 8.699  | 9.379  | 48884  | 49942  | 0.017      | BelowCal # |
| 20) Methoxychlor            | 8.541  | 9.544  | 23715  | 125630 | 0.016      | 0.085 #    |
| 21) Endrin Ke...            | 8.876f | 9.781  | 488282 | 94947  | 0.211      | BelowCal # |
| 23) Hexachlor...            | 0.000  | 3.772  | 0      | 14295  | N.D.       | BelowCal   |
| 24) Hexachlor...            | 5.745f | 6.538  | 148105 | 12971  | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.273f | 8.001  | 11837  | 11791  | 104477.348 | BelowCal # |
| 26) 2,4'-DDE                | 7.325  | 8.235f | 13352  | 120881 | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.521  | 8.272  | 88566  | 90835  | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 0.000  | 8.575  | 0      | 29127  | N.D.       | BelowCal   |
| 29) 2,4'-DDT                | 7.880  | 8.842f | 9862   | 40712  | BelowCal   | BelowCal   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172035.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:24  
 Operator : MJB  
 Sample : 0G17041-IBL3  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:39:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

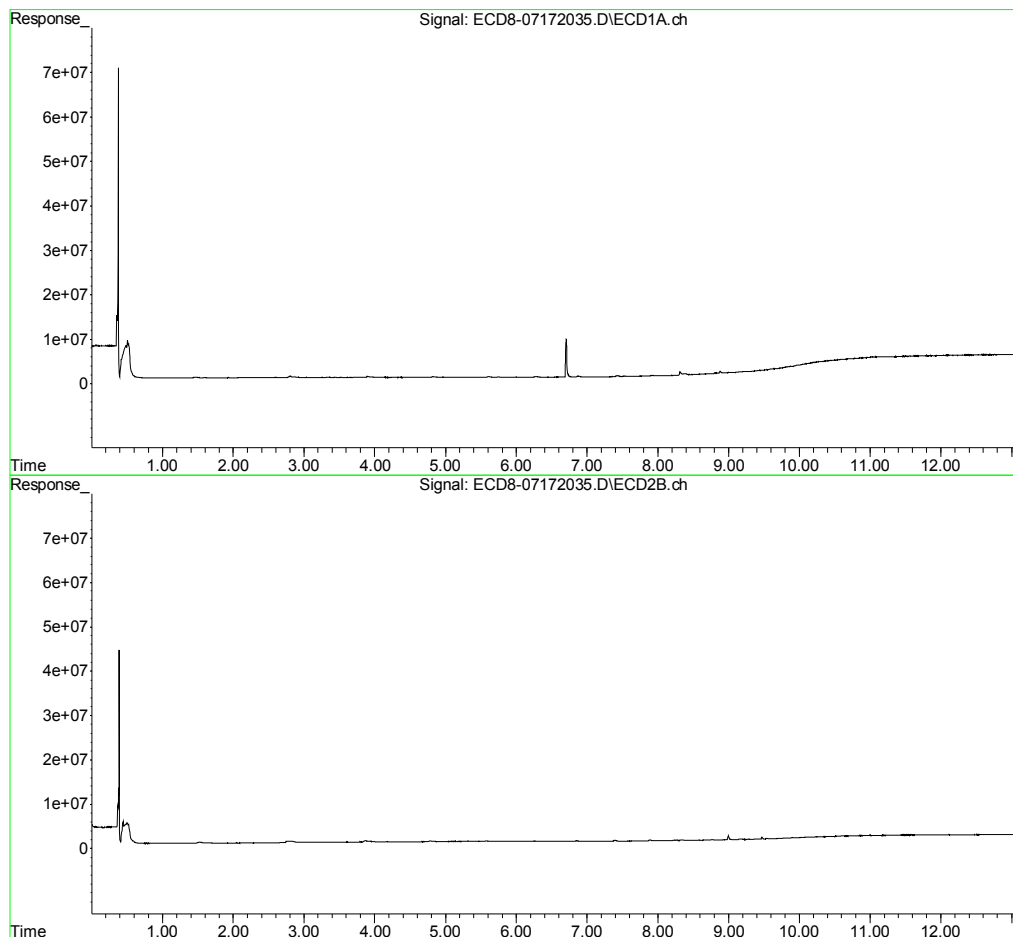
|     | Compound     | RT#1   | RT#2  | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----|--------------|--------|-------|--------|--------|------------|------------|
| 30) | cis-Nonac... | 7.996f | 8.842 | 21664  | 40712  | BelowCal   | BelowCal   |
| 31) | Mirex        | 8.640  | 9.781 | 7461   | 94947  | 14904.451  | BelowCal # |
| 32) | Chlordane... | 7.420  | 8.235 | 221985 | 120881 | 0.491      | 0.274 #    |
| 33) | Chlordane... | 7.521  | 8.329 | 88566  | 149209 | 0.161      | 0.401 #    |
| 34) | Chlordane... | 8.060  | 8.993 | 11961  | 898941 | 0.082      | BelowCal # |
| 35) | Chlordane... | 0.000  | 0.000 | 0      | 0      | N.D.       | N.D.       |
| 36) | Toxaphene... | 7.485  | 8.538 | 14593  | 5955   | 0.848      | 0.197 #    |
| 37) | Toxaphene... | 7.782  | 8.891 | 22131  | 3755   | 125254.768 | 0.096 #    |
| 38) | Toxaphene... | 8.085  | 8.928 | 10388  | 33303  | 0.138      | 0.527 #    |
| 39) | Toxaphene... | 8.315  | 8.993 | 655461 | 898941 | 4.860      | 2.739 #    |
| 40) | Toxaphene... | 8.561  | 9.189 | 9492   | 133587 | 0.170      | 2.353 #    |
| 41) | Toxaphene... | 8.633  | 9.544 | 13025  | 125630 | 0.169      | 1.940 #    |
| 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\2020-07\0G17041\  
Data File : ECD8-07172035.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:24  
Operator : MJB  
Sample : 0G17041-IBL3  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:39:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172036.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:40  
 Operator : MJB  
 Sample : 0G17041-ICV3  
 Misc : A20G272, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:39:40 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| -----                       |        |        |          |          |          |          |
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 5.386  | 6.046f | 115283   | 92613    | 0.031    | 0.026    |
| 22) S DCBP (S)              | 9.595  | 10.668 | 537379   | 197200   | BelowCal | BelowCal |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.934  | 6.707f | 26298    | 3742871  | 0.005    | 0.887 #  |
| 3) g-BHC                    | 6.229  | 7.007  | 186964   | 1852503  | 0.042    | 0.478 #  |
| 4) b-BHC                    | 6.283  | 7.101f | 432945   | 6608924  | 0.218    | 3.506 #  |
| 5) Heptachlor               | 6.620  | 7.372  | 105.8E6  | 101.3E6  | 24.990   | 25.574   |
| 6) d-BHC                    | 6.431  | 7.321  | 1501103  | 318179   | 0.364    | 0.116 #  |
| 7) Aldrin                   | 6.863  | 7.641  | 1373121  | 950508   | 0.315    | 0.251    |
| 8) Heptachlo...             | 7.325  | 8.094  | 15729672 | 5084411  | 3.884    | 1.389 #  |
| 9) trans-Chl...             | 7.415  | 8.214  | 224.7E6  | 229.3E6  | 54.303   | 61.884   |
| 10) cis-Chlor...            | 7.508  | 8.322  | 273.8E6  | 184.3E6  | 66.768   | 51.935   |
| 11) Endosulfa...            | 7.627  | 8.396  | 5708095  | 3417152  | 1.513    | 1.032 #  |
| 12) 4,4'-DDE                | 7.566  | 8.417  | 6473371  | 4669179  | 1.583    | 1.376    |
| 13) Dieldrin                | 7.794  | 8.574  | 6918144  | 20828490 | 1.636    | 5.663 #  |
| 14) Endrin                  | 7.933  | 8.817  | 3843188  | 2442687  | 1.271    | 0.977    |
| 15) 4,4'-DDD                | 8.028f | 8.845  | 6484650  | 35053592 | 1.942    | 12.028 # |
| 16) Endosulfa...            | 8.107  | 8.961  | 4443301  | 3863787  | 1.374    | 1.317    |
| 17) 4,4'-DDT                | 8.178f | 9.081  | 1417603  | 1333830  | 0.459    | 0.503    |
| 18) Endrin Al...            | 8.415  | 9.218f | 1357868  | 10033758 | 0.412    | 3.525 #  |
| 19) Endosulfa...            | 8.697  | 9.361f | 2822653  | 298009   | 0.975    | 0.077 #  |
| 20) Methoxychlor            | 8.540  | 9.554  | 1392643  | 243087   | 0.919    | 0.164 #  |
| 21) Endrin Ke...            | 8.905  | 9.779  | 187171   | 1631562  | 0.081    | 0.888 #  |
| 23) Hexachlor...            | 0.000  | 3.774  | 0        | 12227    | N.D.     | BelowCal |
| 24) Hexachlor...            | 5.743f | 6.561  | 290252   | 74472    | BelowCal | BelowCal |
| 25) Oxychlorane             | 7.241  | 8.018  | 2133339  | 2680734  | 0.440    | 0.696 #  |
| 26) 2,4'-DDE                | 7.325  | 8.214  | 15729672 | 229.3E6  | 5.969    | 92.382 # |
| 27) trans-Non...            | 7.508  | 8.277  | 273.8E6  | 173.1E6  | 72.520   | 51.111 # |
| 28) 2,4'-DDD                | 7.731f | 8.574  | 26366665 | 20828490 | 11.595   | 10.377   |
| 29) 2,4'-DDT                | 7.901f | 8.817  | 5693515  | 2442687  | 2.274    | 1.011 #  |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172036.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:40  
 Operator : MJB  
 Sample : 0G17041-ICV3  
 Misc : A20G272, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

FRONT COLUMN: 497.51

REAR COLUMN: 519.60

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:39:40 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL     |
|-----|--------------|--------|--------|----------|----------|-----------|-----------|
| 30) | cis-Nonac... | 7.973  | 8.845  | 38207659 | 35053592 | 9.219     | 9.699     |
| 31) | Mirex        | 8.632  | 9.779  | 396349   | 1631562  | 14904.302 | 0.361 #   |
| 32) | Chlordane... | 7.415  | 8.214  | 224.7E6  | 229.3E6  | 496.658   | 519.010   |
| 33) | Chlordane... | 7.508  | 8.322  | 273.8E6  | 184.3E6  | 497.672   | 495.032   |
| 34) | Chlordane... | 8.056  | 8.986  | 72255494 | 62292422 | 498.185   | 544.771   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.      |
| 36) | Toxaphene... | 7.481  | 8.574f | 32682076 | 20828490 | 1899.904  | 688.839 # |
| 37) | Toxaphene... | 7.794  | 8.901  | 6918144  | 5281653  | 210.236   | 134.404 # |
| 38) | Toxaphene... | 8.083  | 8.937  | 3164073  | 5091160  | 41.992    | 80.510 #  |
| 39) | Toxaphene... | 8.334  | 8.986  | 2967080  | 62292422 | 39.530    | 632.317 # |
| 40) | Toxaphene... | 8.540f | 9.157f | 1392643  | 1132182  | 24.935    | 19.941    |
| 41) | Toxaphene... | 8.632  | 9.554  | 396349   | 243087   | 5.156     | 3.754 #   |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.      |

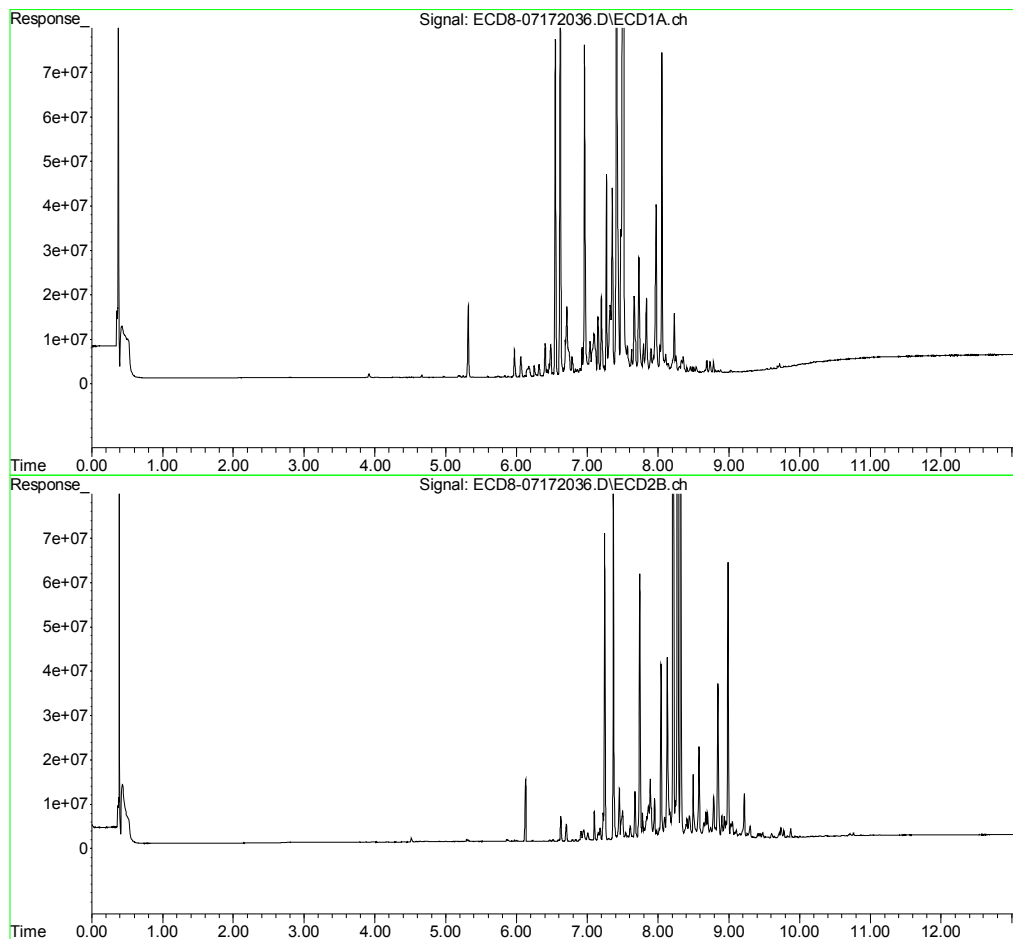
✓

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172036.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:40  
Operator : MJB  
Sample : 0G17041-ICV3  
Misc : A20G272, CHOLR 500 ppb  
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:39:40 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172044.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:52  
 Operator : MJB  
 Sample : 0G17041-IBL4  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:40:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|--------|--------|------------|------------|
| -----                       |        |        |        |        |            |            |
| System Monitoring Compounds |        |        |        |        |            |            |
| 1) S TCMX (S)               | 0.000  | 6.074  | 0      | 16749  | N.D.       | 0.005 #    |
| 22) S DCBP (S)              | 9.606  | 10.658 | 293265 | 394483 | BelowCal   | BelowCal   |
| Target Compounds            |        |        |        |        |            |            |
| 2) a-BHC                    | 5.934  | 6.686  | 56396  | 17961  | 0.011      | 0.045 #    |
| 3) g-BHC                    | 6.218  | 7.004  | 24272  | 14195  | 0.005      | 0.003 #    |
| 4) b-BHC                    | 6.288  | 7.060  | 193250 | 26830  | 0.097      | 0.014 #    |
| 5) Heptachlor               | 6.624  | 7.394  | 18350  | 171704 | 0.004      | 0.011 #    |
| 6) d-BHC                    | 6.447  | 7.316  | 49385  | 50983  | 0.012      | 0.046 #    |
| 7) Aldrin                   | 6.871  | 7.627  | 195066 | 13692  | 0.045      | BelowCal # |
| 8) Heptachlo...             | 7.322  | 8.079  | 13342  | 28283  | 0.003      | 0.008 #    |
| 9) trans-Chl...             | 7.423  | 8.238  | 192135 | 134866 | 0.046      | 0.036      |
| 10) cis-Chlor...            | 7.531  | 8.333  | 71745  | 140191 | 0.017      | 0.040 #    |
| 11) Endosulfa...            | 7.628  | 0.000  | 15078  | 0      | 0.004      | N.D. #     |
| 12) 4,4'-DDE                | 7.571  | 8.426  | 35018  | 13094  | 0.009      | 0.022 #    |
| 13) Dieldrin                | 7.784  | 8.575  | 23067  | 29766  | 0.005      | 0.008 #    |
| 14) Endrin                  | 7.982f | 8.846f | 12275  | 35364  | 0.004      | BelowCal # |
| 15) 4,4'-DDD                | 7.998  | 8.846  | 29481  | 35364  | 0.009      | 0.020 #    |
| 16) Endosulfa...            | 8.111  | 8.956  | 36378  | 50155  | 0.011      | 0.017 #    |
| 17) 4,4'-DDT                | 8.201  | 9.065  | 6286   | 98202  | 0.002      | 0.022 #    |
| 18) Endrin Al...            | 8.397  | 9.189  | 255956 | 188187 | 0.078      | 0.066      |
| 19) Endosulfa...            | 8.698  | 9.380  | 55294  | 110573 | 0.019      | BelowCal # |
| 20) Methoxychlor            | 8.543  | 9.549  | 20130  | 205986 | 0.013      | 0.139 #    |
| 21) Endrin Ke...            | 8.911  | 9.784  | 39882  | 200844 | 0.017      | 0.014      |
| 23) Hexachlor...            | 0.000  | 3.773  | 0      | 8892   | N.D.       | BelowCal   |
| 24) Hexachlor...            | 5.789f | 6.541  | 26175  | 12714  | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.244  | 7.998  | 10408  | 29312  | 104477.348 | BelowCal # |
| 26) 2,4'-DDE                | 7.322  | 8.238f | 13342  | 134866 | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.491  | 8.269  | 5527   | 98813  | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 0.000  | 8.575  | 0      | 29766  | N.D.       | BelowCal   |
| 29) 2,4'-DDT                | 7.854f | 8.846f | 4795   | 35364  | BelowCal   | BelowCal   |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172044.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:52  
 Operator : MJB  
 Sample : 0G17041-IBL4  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:40:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

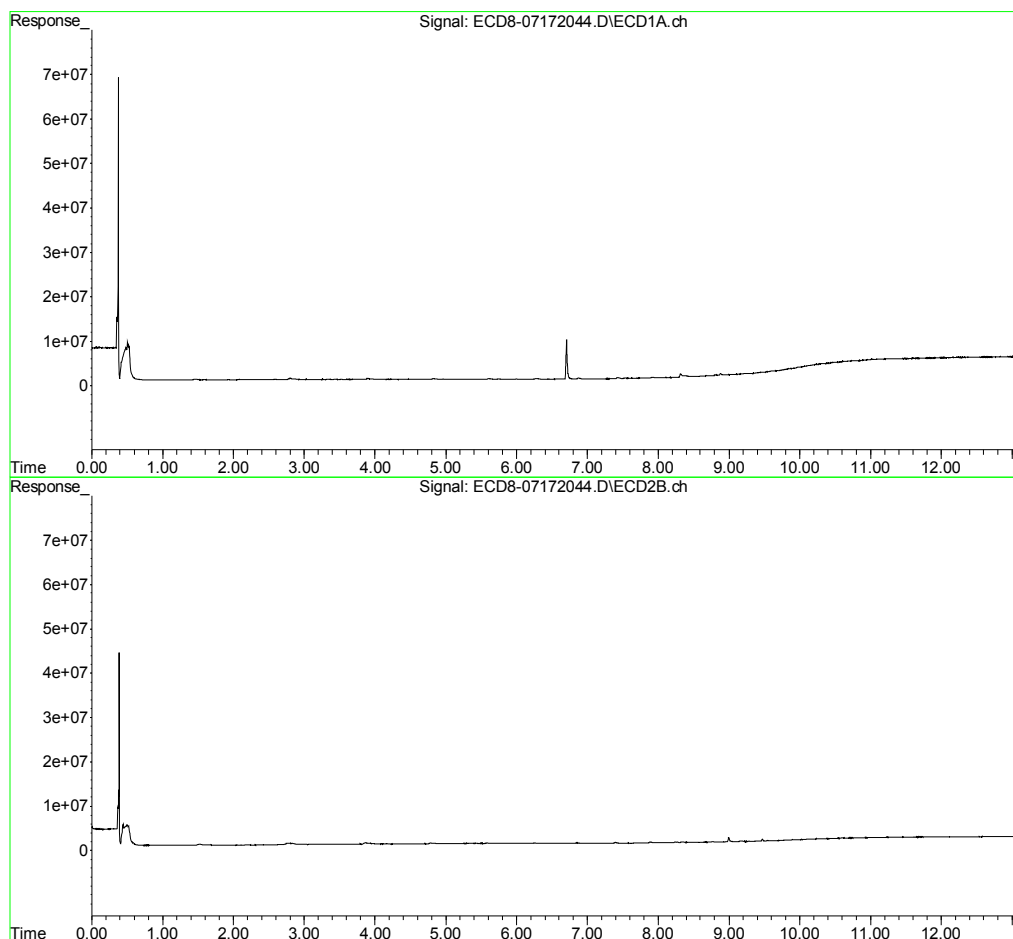
|     | Compound     | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----|--------------|--------|--------|--------|--------|------------|------------|
| 30) | cis-Nonac... | 7.982  | 8.846  | 12275  | 35364  | BelowCal   | BelowCal   |
| 31) | Mirex        | 8.642  | 9.784  | 9659   | 200844 | 14904.450  | BelowCal # |
| 32) | Chlordane... | 7.423  | 8.238f | 192135 | 134866 | 0.425      | 0.305 #    |
| 33) | Chlordane... | 7.491  | 8.333  | 5527   | 140191 | 0.010      | 0.377 #    |
| 34) | Chlordane... | 8.031f | 8.993  | 4676   | 999186 | 0.032      | BelowCal # |
| 35) | Chlordane... | 0.000  | 0.000  | 0      | 0      | N.D.       | N.D.       |
| 36) | Toxaphene... | 7.491  | 8.538  | 5527   | 6762   | 0.321      | 0.224 #    |
| 37) | Toxaphene... | 7.784  | 8.874f | 23067  | 10609  | 125254.739 | 0.270 #    |
| 38) | Toxaphene... | 8.111  | 8.929  | 36378  | 41797  | 0.483      | 0.661 #    |
| 39) | Toxaphene... | 8.318  | 8.993  | 729505 | 999186 | 5.972      | 3.841 #    |
| 40) | Toxaphene... | 8.577  | 9.189  | 10838  | 188187 | 0.194      | 3.315 #    |
| 41) | Toxaphene... | 8.642  | 9.549  | 9659   | 205986 | 0.126      | 3.181 #    |
| 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\2020-07\0G17041\  
Data File : ECD8-07172044.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:52  
Operator : MJB  
Sample : 0G17041-IBL4  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:40:06 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172045.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 5:09  
 Operator : MJB  
 Sample : 0G17041-ICV4  
 Misc : A20F067, TOX 500 ppb  
 ALS Vial : 39 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:40:21 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|---------|----------|----------|----------|----------|
| -----                       |        |         |          |          |          |          |
| System Monitoring Compounds |        |         |          |          |          |          |
| 1) S TCMX (S)               | 5.399  | 6.086   | 18558    | 14527    | 0.005    | 0.004    |
| 22) S DCBP (S)              | 9.582  | 10.632f | 650531   | 775429   | BelowCal | 0.130    |
| Target Compounds            |        |         |          |          |          |          |
| 2) a-BHC                    | 5.929  | 6.681   | 81893    | 98834    | 0.017    | 0.063 #  |
| 3) g-BHC                    | 6.222  | 6.991   | 86009    | 148800   | 0.019    | 0.037 #  |
| 4) b-BHC                    | 6.288  | 7.072   | 109170   | 72307    | 0.055    | 0.038 #  |
| 5) Heptachlor               | 6.624  | 7.377   | 272616   | 360990   | 0.064    | 0.061    |
| 6) d-BHC                    | 6.439  | 7.314   | 70300    | 306668   | 0.017    | 0.113 #  |
| 7) Aldrin                   | 6.860  | 7.664   | 793508   | 1224707  | 0.182    | 0.326 #  |
| 8) Heptachlo...             | 7.323  | 8.068   | 2904886  | 4554763  | 0.717    | 1.244 #  |
| 9) trans-Chl...             | 7.435  | 8.196f  | 6356855  | 5186966  | 1.536    | 1.400    |
| 10) cis-Chlor...            | 7.538  | 8.347   | 7358543  | 5854326  | 1.794    | 1.650    |
| 11) Endosulfa...            | 7.612  | 8.378   | 11162354 | 6976403  | 2.958    | 2.106 #  |
| 12) 4,4'-DDE                | 7.587  | 8.443   | 5695235  | 8208195  | 1.393    | 2.400 #  |
| 13) Dieldrin                | 7.782  | 8.590   | 16931706 | 8750134  | 4.004    | 2.379 #  |
| 14) Endrin                  | 7.970  | 8.797   | 24062684 | 18689768 | 7.958    | 7.613    |
| 15) 4,4'-DDD                | 8.010  | 8.847   | 15934657 | 11553462 | 4.771    | 4.023    |
| 16) Endosulfa...            | 8.093  | 8.957   | 39840698 | 8791283  | 12.320   | 2.997 #  |
| 17) 4,4'-DDT                | 8.222f | 9.065   | 9365337  | 13211314 | 3.031    | 5.072 #  |
| 18) Endrin Al...            | 8.418  | 9.179   | 22989665 | 28526009 | 6.982    | 10.020 # |
| 19) Endosulfa...            | 8.697  | 9.380   | 15332243 | 13021959 | 5.294    | 5.382    |
| 20) Methoxychlor            | 8.531  | 9.561   | 12821749 | 31935127 | 8.460    | 21.537 # |
| 21) Endrin Ke...            | 8.881  | 9.802   | 10789930 | 6750375  | 4.668    | 3.988    |
| 23) Hexachlor...            | 3.179  | 3.773   | 22980    | 32659    | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.760  | 6.536   | 80228    | 41604    | BelowCal | BelowCal |
| 25) Oxychlorane             | 7.251  | 8.021   | 6859608  | 3835419  | 1.823    | 1.097 #  |
| 26) 2,4'-DDE                | 7.323  | 8.196   | 2904886  | 5186966  | 0.957    | 2.146 #  |
| 27) trans-Non...            | 7.490  | 8.289   | 8889512  | 5503257  | 2.136    | 1.479 #  |
| 28) 2,4'-DDD                | 7.700  | 8.590   | 12368172 | 8750134  | 5.341    | 4.273    |
| 29) 2,4'-DDT                | 7.883  | 8.797   | 20353088 | 18689768 | 8.580    | 8.964    |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172045.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 5:09  
 Operator : MJB  
 Sample : 0G17041-ICV4 FRONT COLUMN: 522.77  
 Misc : A20F067, TOX 500 ppb REAR COLUMN: 509.16  
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 15:40:21 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL   |     |
|-----|--------------|--------|--------|----------|----------|---------|---------|-----|
| 30) | cis-Nonac... | 7.970  | 8.847  | 24062684 | 11553462 | 5.741   | 3.101   | #   |
| 31) | Mirex        | 8.628  | 9.802f | 39346865 | 6750375  | 14.778  | 2.789   | #   |
| 32) | Chlordane... | 7.400  | 8.196  | 4668774  | 5186966  | 10.320  | 11.740  |     |
| 33) | Chlordane... | 7.490  | 8.302f | 8889512  | 4967936  | 16.157  | 13.346  |     |
| 34) | Chlordane... | 8.033f | 9.002  | 17135939 | 53318336 | 118.148 | 468.763 | #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.    |     |
| 36) | Toxaphene... | 7.490  | 8.551  | 8889512  | 15025286 | 516.773 | 496.916 | } ✓ |
| 37) | Toxaphene... | 7.782  | 8.898  | 16931706 | 20155413 | 520.344 | 512.901 |     |
| 38) | Toxaphene... | 8.093  | 8.935  | 39840698 | 31881103 | 528.750 | 504.155 |     |
| 39) | Toxaphene... | 8.333  | 9.002  | 36801992 | 53318336 | 535.878 | 545.332 |     |
| 40) | Toxaphene... | 8.561  | 9.179  | 29212194 | 28526009 | 523.036 | 502.435 |     |
| 41) | Toxaphene... | 8.628  | 9.561  | 39346865 | 31935127 | 511.818 | 493.224 |     |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.    |     |

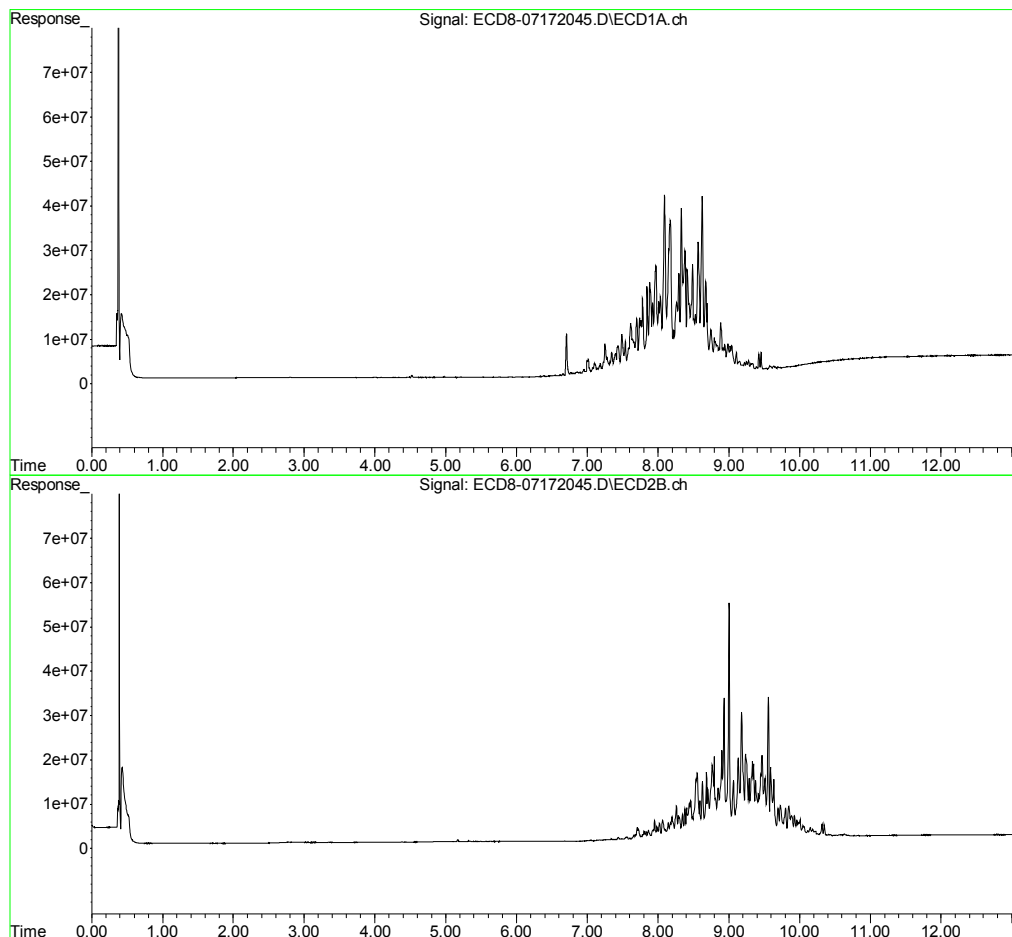
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172045.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 5:09  
Operator : MJB  
Sample : 0G17041-ICV4  
Misc : A20F067, TOX 500 ppb  
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 15:40:21 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:24  
 Operator : MJB  
 Sample : 0G17041-CAL1  
 Misc : A20G268, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.391  | 6.080  | 2059810 | 1883297 | 0.552    | 0.537      |
| 22) S DCBP (S)              | 9.598  | 10.663 | 2181303 | 1522119 | 0.496    | 0.494      |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.933  | 6.686  | 2450601 | 2141378 | 0.498    | 0.525      |
| 3) g-BHC                    | 6.219  | 7.004  | 2300594 | 2019752 | 0.520    | 0.521      |
| 4) b-BHC                    | 6.298  | 7.068  | 1113855 | 1100105 | 0.561    | 0.584      |
| 5) Heptachlor               | 6.627  | 7.380  | 2222149 | 2112772 | 0.525    | 0.521      |
| 6) d-BHC                    | 6.449  | 7.324  | 2058451 | 1866164 | 0.499    | 0.524      |
| 7) Aldrin                   | 6.868  | 7.646  | 2287325 | 1943000 | 0.524    | 0.522      |
| 8) Heptachlo...             | 7.330  | 8.084  | 2227813 | 2038283 | 0.550    | 0.557      |
| 9) trans-Chl...             | 7.425  | 8.223  | 2220216 | 1998781 | 0.537    | 0.539      |
| 10) cis-Chlor...            | 7.520  | 8.330  | 2439640 | 1890414 | 0.595    | 0.533      |
| 11) Endosulfa...            | 7.620  | 8.382  | 2036980 | 1697626 | 0.540    | 0.513      |
| 12) 4,4'-DDE                | 7.583  | 8.433  | 2065125 | 1702667 | 0.505    | 0.514      |
| 13) Dieldrin                | 7.791  | 8.583  | 2238734 | 1823919 | 0.529    | 0.496      |
| 14) Endrin                  | 7.956  | 8.812  | 1557812 | 1336331 | 0.515    | 0.519      |
| 15) 4,4'-DDD                | 8.005  | 8.850  | 1731427 | 1463902 | 0.518    | 0.519      |
| 16) Endosulfa...            | 8.116  | 8.960  | 1722193 | 1559202 | 0.533    | 0.531      |
| 17) 4,4'-DDT                | 8.202  | 9.077  | 1656264 | 1394118 | 0.536    | 0.526      |
| 18) Endrin Al...            | 8.405  | 9.197  | 1961121 | 1632480 | 0.596    | 0.573      |
| 19) Endosulfa...            | 8.706  | 9.387  | 1519491 | 1337833 | 0.525    | 0.514      |
| 20) Methoxychlor            | 8.546  | 9.558  | 868824  | 832289  | 0.573    | 0.561      |
| 21) Endrin Ke...            | 8.899  | 9.790  | 1364571 | 1021475 | 0.590    | 0.515      |
| 23) Hexachlor...            | 3.142f | 3.798f | 38550   | 92614   | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.754  | 6.566f | 226819  | 82778   | BelowCal | BelowCal   |
| 25) Oxychlordan             | 0.000  | 7.990  | 0       | 193304  | N.D.     | BelowCal   |
| 26) 2,4'-DDE                | 7.330  | 8.194  | 2227813 | 93085   | 0.692    | BelowCal # |
| 27) trans-Non...            | 7.520  | 8.277  | 2439640 | 260846  | 0.417    | BelowCal # |
| 28) 2,4'-DDD                | 7.692  | 8.583  | 34662   | 1823919 | BelowCal | 0.727      |
| 29) 2,4'-DDT                | 7.860f | 8.812  | 17205   | 1336331 | BelowCal | 0.463      |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:24  
 Operator : MJB  
 Sample : 0G17041-CAL1  
 Misc : A20G268, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

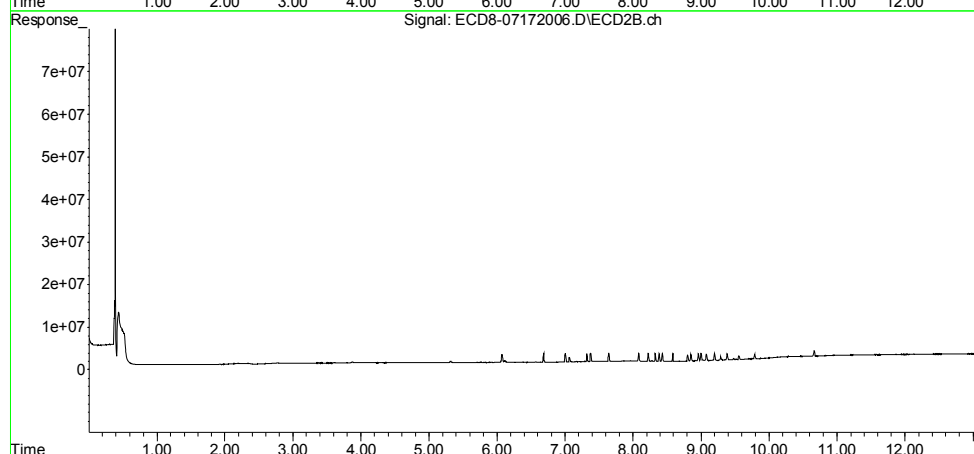
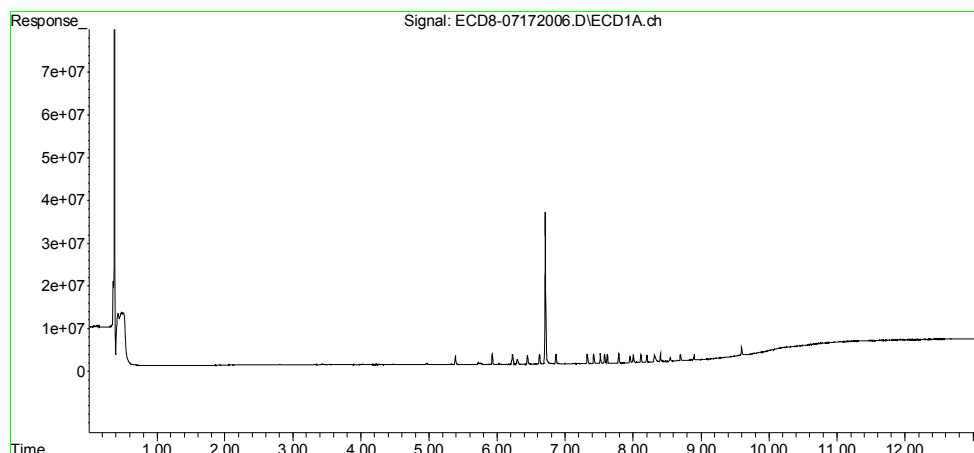
|     | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL    |
|-----|--------------|-------|--------|---------|---------|-----------|----------|
| 30) | cis-Nonac... | 7.956 | 8.850  | 1557812 | 1463902 | 0.200     | 0.237    |
| 31) | Mirex        | 8.646 | 9.790  | 111276  | 1021475 | 14904.411 | 0.071 #  |
| 32) | Chlordane... | 7.425 | 8.223  | 2220216 | 1998781 | 4.908     | 4.524    |
| 33) | Chlordane... | 7.520 | 8.330  | 2439640 | 1890414 | 4.434     | 5.079    |
| 34) | Chlordane... | 8.073 | 8.996  | 46091   | 1705584 | 0.318     | 6.233 #  |
| 35) | Chlordane... | 0.000 | 0.000  | 0       | 0       | N.D.      | N.D.     |
| 36) | Toxaphene... | 7.479 | 8.543  | 23731   | 16277   | 1.380     | 0.538 #  |
| 37) | Toxaphene... | 7.791 | 8.898  | 2238734 | 9831    | 65.847    | 0.250 #  |
| 38) | Toxaphene... | 8.073 | 8.960f | 46091   | 1559202 | 0.612     | 24.657 # |
| 39) | Toxaphene... | 8.331 | 8.996  | 1143355 | 1705584 | 12.186    | 11.598   |
| 40) | Toxaphene... | 8.546 | 9.197  | 868824  | 1632480 | 15.556    | 28.753 # |
| 41) | Toxaphene... | 8.646 | 9.558  | 111276  | 832289  | 1.447     | 12.854 # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172007.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:41  
 Operator : MJB  
 Sample : 0G17041-CAL2  
 Misc : A20G269, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|---------|---------|------------|------------|
| -----                       |        |        |         |         |            |            |
| System Monitoring Compounds |        |        |         |         |            |            |
| 1) S TCMX (S)               | 5.391  | 6.080  | 3749962 | 3424170 | 1.005      | 0.975      |
| 22) S DCBP (S)              | 9.598  | 10.662 | 3741875 | 2571519 | 1.012      | 1.006      |
| Target Compounds            |        |        |         |         |            |            |
| 2) a-BHC                    | 5.932  | 6.685  | 4624195 | 4050441 | 0.939      | 0.956      |
| 3) g-BHC                    | 6.219  | 7.004  | 4281415 | 3728838 | 0.968      | 0.962      |
| 4) b-BHC                    | 6.299  | 7.068  | 2132830 | 2041836 | 1.074      | 1.083      |
| 5) Heptachlor               | 6.627  | 7.379  | 4135756 | 3871749 | 0.977      | 0.982      |
| 6) d-BHC                    | 6.449  | 7.324  | 3818920 | 3499685 | 0.926      | 0.954      |
| 7) Aldrin                   | 6.867  | 7.646  | 4287214 | 3522992 | 0.982      | 0.954      |
| 8) Heptachlo...             | 7.330  | 8.083  | 4194494 | 3537621 | 1.036      | 0.966      |
| 9) trans-Chl...             | 7.424  | 8.223  | 4203847 | 3562892 | 1.016      | 0.962      |
| 10) cis-Chlor...            | 7.520  | 8.330  | 4349971 | 3440076 | 1.061      | 0.970      |
| 11) Endosulfa...            | 7.619  | 8.382  | 3844786 | 3206256 | 1.019      | 0.968      |
| 12) 4,4'-DDE                | 7.583  | 8.433  | 3926902 | 3336158 | 0.961      | 0.989      |
| 13) Dieldrin                | 7.791  | 8.583  | 4076655 | 3411011 | 0.964      | 0.927      |
| 14) Endrin                  | 7.956  | 8.812  | 3009843 | 2506800 | 0.995      | 1.003      |
| 15) 4,4'-DDD                | 8.004  | 8.850  | 3227439 | 2703896 | 0.966      | 0.952      |
| 16) Endosulfa...            | 8.117  | 8.960  | 3220135 | 2802726 | 0.996      | 0.955      |
| 17) 4,4'-DDT                | 8.201  | 9.078  | 2992885 | 2566263 | 0.969      | 0.981      |
| 18) Endrin Al...            | 8.405  | 9.197  | 3634935 | 3023816 | 1.104      | 1.062      |
| 19) Endosulfa...            | 8.705  | 9.387  | 2784647 | 2448888 | 0.961      | 0.981      |
| 20) Methoxychlor            | 8.544  | 9.558  | 1581473 | 1501062 | 1.044      | 1.012      |
| 21) Endrin Ke...            | 8.899  | 9.790  | 2404758 | 1779672 | 1.040      | 0.978      |
| 23) Hexachlor...            | 3.181  | 3.799f | 20095   | 65002   | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.799f | 6.567f | 24220   | 88948   | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.267  | 7.999  | 28654   | 37853   | 104477.343 | BelowCal # |
| 26) 2,4'-DDE                | 7.330  | 8.193  | 4194494 | 23779   | 1.462      | BelowCal # |
| 27) trans-Non...            | 7.520  | 8.278  | 4349971 | 77953   | 0.926      | BelowCal # |
| 28) 2,4'-DDD                | 7.692  | 8.583  | 33522   | 3411011 | BelowCal   | 1.542      |
| 29) 2,4'-DDT                | 7.891  | 8.812  | 18242   | 2506800 | BelowCal   | 1.043      |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172007.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:41  
 Operator : MJB  
 Sample : 0G17041-CAL2  
 Misc : A20G269, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

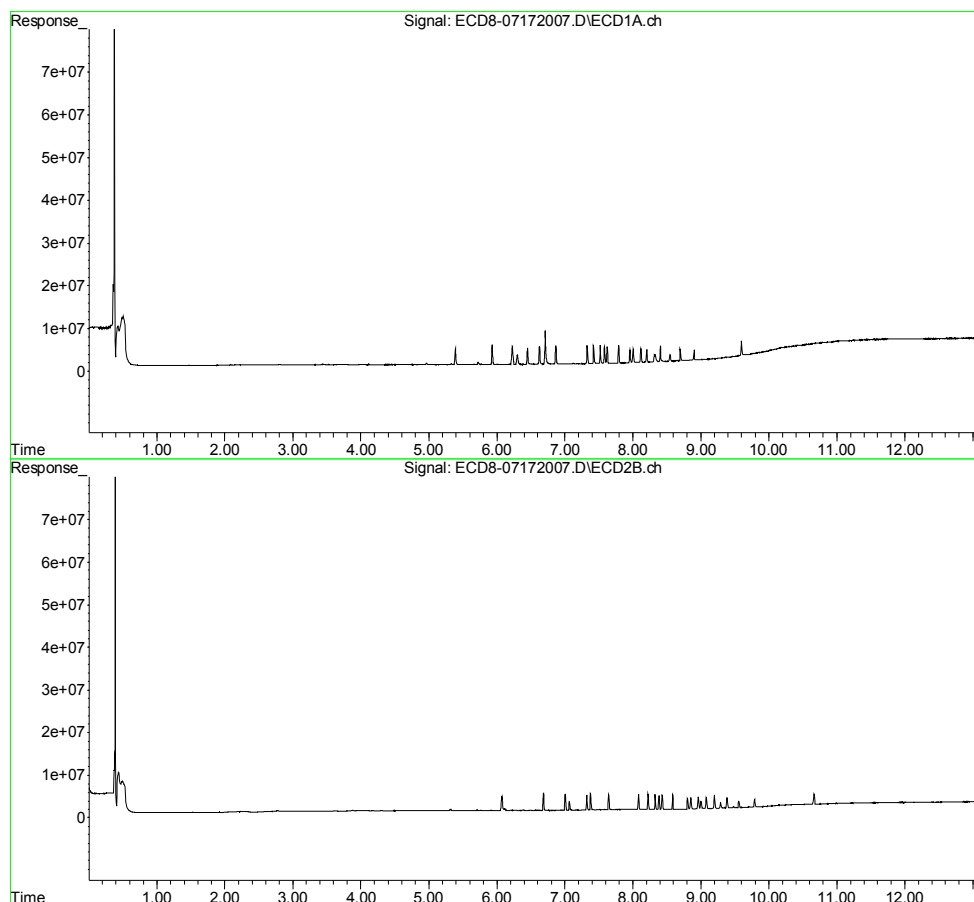
|     | Compound     | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/mL     | ng/mL    |
|-----|--------------|--------|-------|---------|---------|-----------|----------|
| 30) | cis-Nonac... | 7.956  | 8.850 | 3009843 | 2703896 | 0.558     | 0.590    |
| 31) | Mirex        | 8.645  | 9.790 | 98626   | 1779672 | 14904.416 | 0.432 #  |
| 32) | Chlordane... | 7.424  | 8.223 | 4203847 | 3562892 | 9.292     | 8.064    |
| 33) | Chlordane... | 7.520  | 8.330 | 4349971 | 3440076 | 7.906     | 9.242    |
| 34) | Chlordane... | 8.070  | 8.996 | 55558   | 1748911 | 0.383     | 6.642 #  |
| 35) | Chlordane... | 0.000  | 0.000 | 0       | 0       | N.D.      | N.D.     |
| 36) | Toxaphene... | 7.520f | 8.553 | 4349971 | 11912   | 252.876   | 0.394 #  |
| 37) | Toxaphene... | 7.791  | 8.898 | 4076655 | 19818   | 122.519   | 0.504 #  |
| 38) | Toxaphene... | 8.070f | 8.936 | 55558   | 49778   | 0.737     | 0.787    |
| 39) | Toxaphene... | 8.332  | 8.996 | 1793942 | 1748911 | 21.948    | 12.074 # |
| 40) | Toxaphene... | 8.544  | 9.171 | 1581473 | 60436   | 28.316    | 1.064 #  |
| 41) | Toxaphene... | 8.645  | 9.558 | 98626   | 1501062 | 1.283     | 23.183 # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172007.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:41  
Operator : MJB  
Sample : 0G17041-CAL2  
Misc : A20G269, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:35 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172008.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:57  
 Operator : MJB  
 Sample : 0G17041-CAL3  
 Misc : A20C178, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:49 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|-------|--------|---------|---------|------------|------------|
| -----                       |       |        |         |         |            |            |
| System Monitoring Compounds |       |        |         |         |            |            |
| 1) S TCMX (S)               | 5.391 | 6.080  | 6919197 | 6303438 | 1.854      | 1.796      |
| 22) S DCBP (S)              | 9.596 | 10.661 | 6703802 | 4769423 | 1.991      | 2.076      |
| Target Compounds            |       |        |         |         |            |            |
| 2) a-BHC                    | 5.933 | 6.686  | 8676234 | 7647715 | 1.762      | 1.767      |
| 3) g-BHC                    | 6.220 | 7.005  | 8085541 | 6969061 | 1.828      | 1.797      |
| 4) b-BHC                    | 6.299 | 7.068  | 3893858 | 3586376 | 1.961      | 1.902      |
| 5) Heptachlor               | 6.628 | 7.379  | 7362354 | 6747350 | 1.739      | 1.734      |
| 6) d-BHC                    | 6.449 | 7.323  | 7539593 | 6680796 | 1.828      | 1.789      |
| 7) Aldrin                   | 6.867 | 7.646  | 8128193 | 6693503 | 1.863      | 1.818      |
| 8) Heptachlo...             | 7.330 | 8.083  | 7788065 | 6371510 | 1.923      | 1.740      |
| 9) trans-Chl...             | 7.424 | 8.223  | 7827529 | 6724097 | 1.892      | 1.815      |
| 10) cis-Chlor...            | 7.521 | 8.330  | 7826014 | 6359764 | 1.908      | 1.792      |
| 11) Endosulfa...            | 7.620 | 8.382  | 7306381 | 6010589 | 1.936      | 1.815      |
| 12) 4,4'-DDE                | 7.582 | 8.433  | 7323605 | 6193968 | 1.791      | 1.818      |
| 13) Dieldrin                | 7.791 | 8.582  | 7917841 | 6570645 | 1.872      | 1.787      |
| 14) Endrin                  | 7.955 | 8.811  | 5251034 | 4136332 | 1.737      | 1.675      |
| 15) 4,4'-DDD                | 8.004 | 8.849  | 6167478 | 5447533 | 1.847      | 1.908      |
| 16) Endosulfa...            | 8.116 | 8.959  | 6017590 | 5379985 | 1.861      | 1.834      |
| 17) 4,4'-DDT                | 8.201 | 9.077  | 4913313 | 4320498 | 1.590      | 1.660      |
| 18) Endrin Al...            | 8.404 | 9.196  | 6892476 | 5804760 | 2.093      | 2.039      |
| 19) Endosulfa...            | 8.704 | 9.386  | 5171692 | 4537613 | 1.786      | 1.855      |
| 20) Methoxychlor            | 8.544 | 9.557  | 2542453 | 2499381 | 1.678      | 1.686      |
| 21) Endrin Ke...            | 8.898 | 9.789  | 3933660 | 3243527 | 1.702      | 1.869      |
| 23) Hexachlor...            | 3.178 | 3.788  | 25505   | 11350   | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.775 | 6.569f | 60364   | 73866   | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.266 | 8.003  | 40035   | 33341   | 104477.340 | BelowCal # |
| 26) 2,4'-DDE                | 7.330 | 8.223  | 7788065 | 6724097 | 2.867      | 2.840      |
| 27) trans-Non...            | 7.521 | 8.275  | 7826014 | 64491   | 1.853      | BelowCal # |
| 28) 2,4'-DDD                | 7.709 | 8.582  | 40203   | 6570645 | BelowCal   | 3.161      |
| 29) 2,4'-DDT                | 7.893 | 8.811  | 29555   | 4136332 | BelowCal   | 1.849      |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:51:19 2020

Page: 1



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172008.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:57  
 Operator : MJB  
 Sample : 0G17041-CAL3  
 Misc : A20C178, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:41:49 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

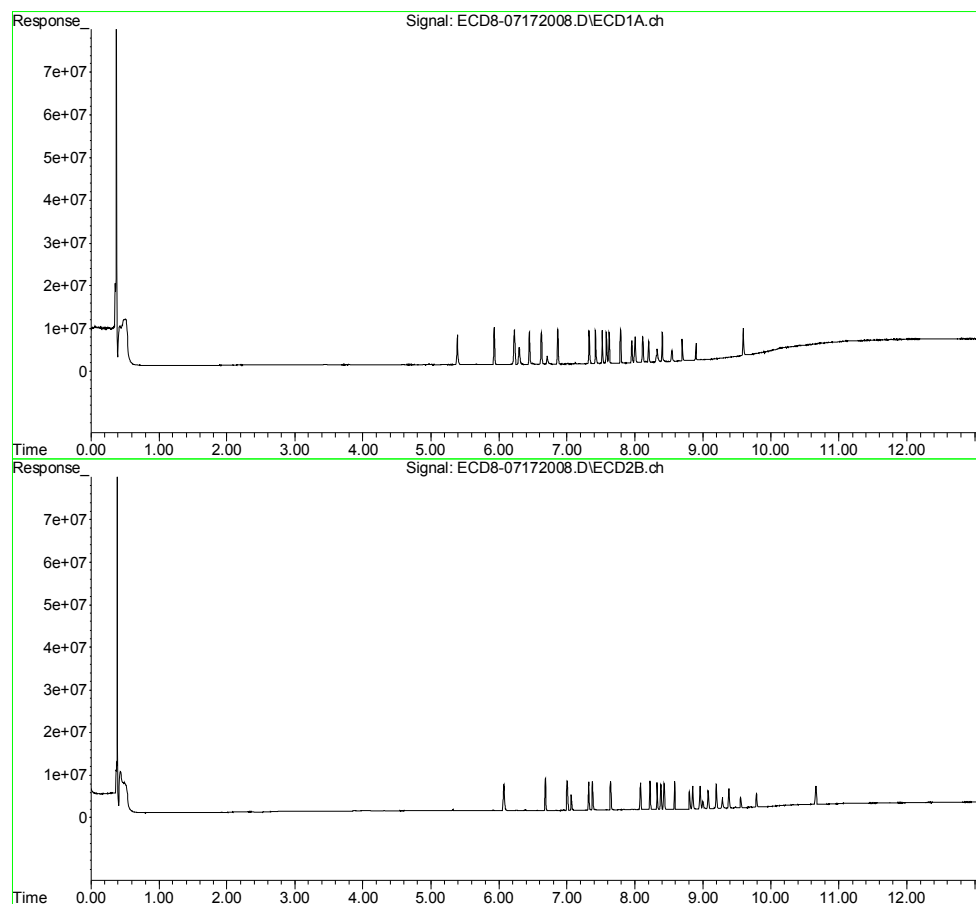
|     | Compound     | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/mL     | ng/mL    |
|-----|--------------|--------|-------|---------|---------|-----------|----------|
| 30) | cis-Nonac... | 7.955  | 8.849 | 5251034 | 5447533 | 1.110     | 1.370    |
| 31) | Mirex        | 8.654  | 9.789 | 45341   | 3243527 | 14904.436 | 1.127 #  |
| 32) | Chlordane... | 7.424  | 8.223 | 7827529 | 6724097 | 17.303    | 15.219   |
| 33) | Chlordane... | 7.521  | 8.330 | 7826014 | 6359764 | 14.224    | 17.086   |
| 34) | Chlordane... | 8.060  | 8.995 | 89276   | 1695753 | 0.616     | 6.140 #  |
| 35) | Chlordane... | 0.000  | 0.000 | 0       | 0       | N.D.      | N.D.     |
| 36) | Toxaphene... | 7.521f | 8.542 | 7826014 | 10777   | 454.949   | 0.356 #  |
| 37) | Toxaphene... | 7.791  | 8.912 | 7917841 | 42877   | 241.126   | 1.091 #  |
| 38) | Toxaphene... | 8.116f | 8.920 | 6017590 | 45621   | 79.863    | 0.721 #  |
| 39) | Toxaphene... | 8.331  | 8.995 | 3048447 | 1695753 | 40.749    | 11.491 # |
| 40) | Toxaphene... | 8.544  | 9.171 | 2542453 | 199621  | 45.522    | 3.516 #  |
| 41) | Toxaphene... | 8.605f | 9.557 | 17911   | 2499381 | 0.233     | 38.602 # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172008.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:57  
Operator : MJB  
Sample : 0G17041-CAL3  
Misc : A20C178, AB 2 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:41:49 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172009.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:14  
 Operator : MJB  
 Sample : 0G17041-CAL4  
 Misc : A20C179, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL      |
|-----------------------------|-------|--------|----------|----------|------------|------------|
| -----                       |       |        |          |          |            |            |
| System Monitoring Compounds |       |        |          |          |            |            |
| 1) S TCMX (S)               | 5.391 | 6.080  | 18931092 | 16368939 | 5.072      | 4.663      |
| 22) S DCBP (S)              | 9.595 | 10.660 | 16272198 | 10905350 | 5.153      | 5.052      |
| Target Compounds            |       |        |          |          |            |            |
| 2) a-BHC                    | 5.933 | 6.686  | 24927157 | 21917078 | 5.062      | 4.965      |
| 3) g-BHC                    | 6.219 | 7.004  | 22425297 | 19662115 | 5.070      | 5.042      |
| 4) b-BHC                    | 6.298 | 7.067  | 9687102  | 8897498  | 4.879      | 4.720      |
| 5) Heptachlor               | 6.626 | 7.378  | 21596752 | 19364391 | 5.101      | 5.014      |
| 6) d-BHC                    | 6.448 | 7.322  | 20782872 | 18986978 | 5.038      | 5.001      |
| 7) Aldrin                   | 6.866 | 7.644  | 21970090 | 18430617 | 5.035      | 4.997      |
| 8) Heptachlo...             | 7.329 | 8.082  | 20358408 | 17163624 | 5.027      | 4.689      |
| 9) trans-Chl...             | 7.424 | 8.222  | 20800588 | 16945470 | 5.027      | 4.573      |
| 10) cis-Chlor...            | 7.520 | 8.329  | 20032381 | 16723191 | 4.885      | 4.713      |
| 11) Endosulfa...            | 7.618 | 8.382  | 18727887 | 15748002 | 4.964      | 4.754      |
| 12) 4,4'-DDE                | 7.582 | 8.432  | 20624857 | 17035139 | 5.045      | 4.940      |
| 13) Dieldrin                | 7.790 | 8.582  | 21466979 | 16975757 | 5.076      | 4.616      |
| 14) Endrin                  | 7.955 | 8.810  | 15263803 | 12223972 | 5.048      | 4.990      |
| 15) 4,4'-DDD                | 8.004 | 8.848  | 16355832 | 13911502 | 4.897      | 4.836      |
| 16) Endosulfa...            | 8.115 | 8.959  | 15952313 | 13560676 | 4.933      | 4.622      |
| 17) 4,4'-DDT                | 8.201 | 9.076  | 14758942 | 12674572 | 4.776      | 4.867      |
| 18) Endrin Al...            | 8.403 | 9.195  | 16116018 | 13083092 | 4.894      | 4.596      |
| 19) Endosulfa...            | 8.704 | 9.385  | 14032724 | 11961356 | 4.845      | 4.943      |
| 20) Methoxychlor            | 8.542 | 9.556  | 7562519  | 7089165  | 4.990      | 4.781      |
| 21) Endrin Ke...            | 8.898 | 9.788  | 10451380 | 8022001  | 4.522      | 4.752      |
| 23) Hexachlor...            | 3.184 | 3.778  | 28414    | 30624    | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.771 | 6.566f | 118208   | 108076   | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.265 | 7.992  | 98401    | 50716    | 104477.322 | BelowCal # |
| 26) 2,4'-DDE                | 7.329 | 8.222  | 20358408 | 16945470 | 7.774      | 7.424      |
| 27) trans-Non...            | 7.520 | 8.278  | 20032381 | 98520    | 5.106      | BelowCal # |
| 28) 2,4'-DDD                | 7.709 | 8.582  | 53636    | 16975757 | BelowCal   | 8.441      |
| 29) 2,4'-DDT                | 7.887 | 8.810  | 52321    | 12223972 | BelowCal   | 5.821      |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172009.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:14  
 Operator : MJB  
 Sample : 0G17041-CAL4  
 Misc : A20C179, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:11 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

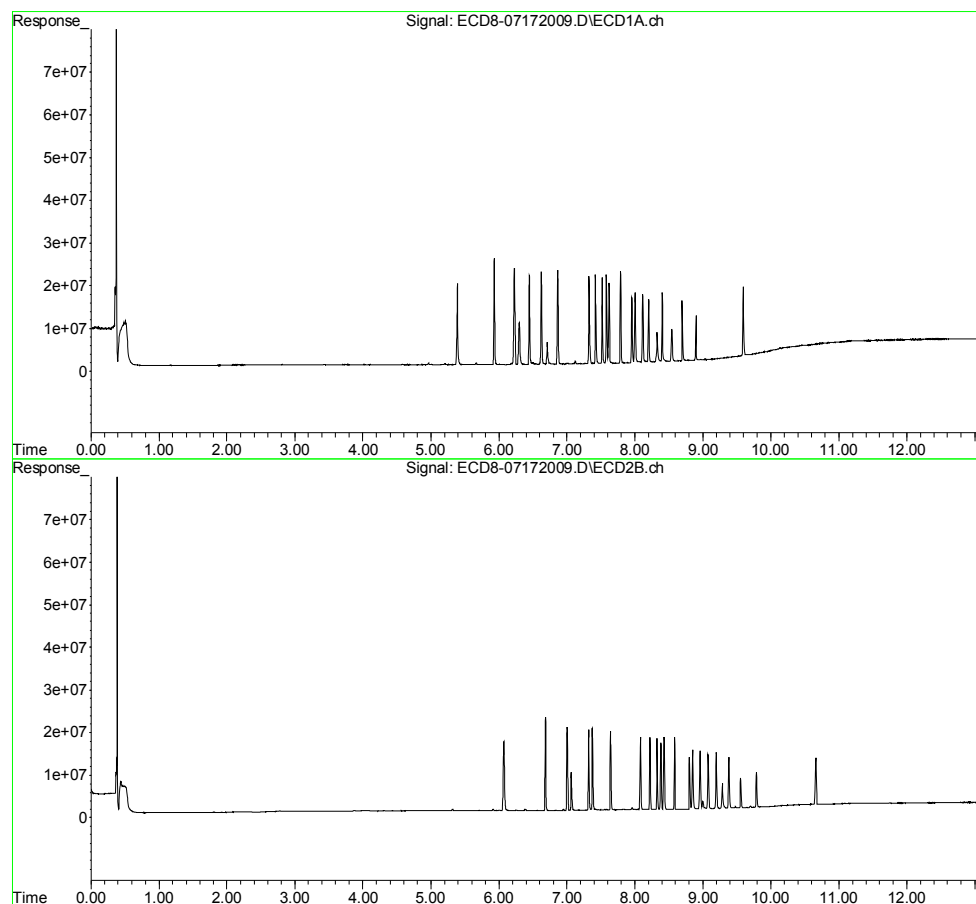
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL     |
|-----|--------------|--------|--------|----------|----------|-----------|-----------|
| 30) | cis-Nonac... | 7.955  | 8.848  | 15263803 | 13911502 | 3.576     | 3.768     |
| 31) | Mirex        | 8.652  | 9.788  | 47920    | 8022001  | 14904.435 | 3.390 #   |
| 32) | Chlordane... | 7.424  | 8.222  | 20800588 | 16945470 | 45.979    | 38.355    |
| 33) | Chlordane... | 7.520  | 8.329  | 20032381 | 16723191 | 36.409    | 44.927    |
| 34) | Chlordane... | 8.064  | 8.995  | 204180   | 1724173  | 1.408     | 6.409 #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.      |
| 36) | Toxaphene... | 7.520f | 8.582f | 20032381 | 16975757 | 1164.541  | 561.422 # |
| 37) | Toxaphene... | 7.790  | 8.920f | 21466979 | 79661    | 661.306   | 2.027 #   |
| 38) | Toxaphene... | 8.115f | 8.920  | 15952313 | 79661    | 211.713   | 1.260 #   |
| 39) | Toxaphene... | 8.330  | 8.995  | 6924817  | 1724173  | 98.656    | 11.802 #  |
| 40) | Toxaphene... | 8.542  | 9.195  | 7562519  | 13083092 | 135.405   | 230.435 # |
| 41) | Toxaphene... | 8.652f | 9.556  | 47920    | 7089165  | 0.623     | 109.489 # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172009.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:14  
Operator : MJB  
Sample : 0G17041-CAL4  
Misc : A20C179, AB 5 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:42:11 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172010.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:30  
 Operator : MJB  
 Sample : 0G17041-CAL5  
 Misc : A20C180, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:24 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL      |
|-----------------------------|-------|--------|----------|----------|------------|------------|
| -----                       |       |        |          |          |            |            |
| System Monitoring Compounds |       |        |          |          |            |            |
| 1) S TCMX (S)               | 5.391 | 6.079  | 37661455 | 32621298 | 10.090     | 9.293      |
| 22) S DCBP (S)              | 9.595 | 10.659 | 31430664 | 20775475 | 10.161     | 9.805      |
| Target Compounds            |       |        |          |          |            |            |
| 2) a-BHC                    | 5.933 | 6.685  | 48977633 | 44713321 | 9.946      | 10.008     |
| 3) g-BHC                    | 6.218 | 7.004  | 43374144 | 39454629 | 9.806      | 10.033     |
| 4) b-BHC                    | 6.297 | 7.067  | 19492517 | 17356070 | 9.818      | 9.206      |
| 5) Heptachlor               | 6.626 | 7.378  | 41625810 | 38272594 | 9.832      | 9.870      |
| 6) d-BHC                    | 6.447 | 7.323  | 41540851 | 38718065 | 10.071     | 10.087     |
| 7) Aldrin                   | 6.866 | 7.644  | 44212633 | 37476911 | 10.132     | 10.093     |
| 8) Heptachlo...             | 7.328 | 8.082  | 39973725 | 33720987 | 9.871      | 9.211      |
| 9) trans-Chl...             | 7.423 | 8.222  | 40751734 | 33914453 | 9.849      | 9.153      |
| 10) cis-Chlor...            | 7.520 | 8.329  | 39531751 | 33601845 | 9.639      | 9.471      |
| 11) Endosulfa...            | 7.617 | 8.382  | 37534040 | 30536439 | 9.948      | 9.219      |
| 12) 4,4'-DDE                | 7.581 | 8.432  | 40945008 | 35038068 | 10.016     | 10.050     |
| 13) Dieldrin                | 7.789 | 8.582  | 41629628 | 34744561 | 9.844      | 9.447      |
| 14) Endrin                  | 7.954 | 8.810  | 30876148 | 24238440 | 10.212     | 9.846      |
| 15) 4,4'-DDD                | 8.003 | 8.849  | 33565883 | 28753995 | 10.050     | 9.903      |
| 16) Endosulfa...            | 8.114 | 8.959  | 32181724 | 27159286 | 9.952      | 9.258      |
| 17) 4,4'-DDT                | 8.201 | 9.076  | 30940885 | 25909625 | 10.013     | 9.857      |
| 18) Endrin Al...            | 8.403 | 9.195  | 31735764 | 25407176 | 9.638      | 8.925      |
| 19) Endosulfa...            | 8.704 | 9.385  | 29751499 | 23878379 | 10.272     | 9.837      |
| 20) Methoxychlor            | 8.542 | 9.556  | 14083584 | 13377151 | 9.293      | 9.022      |
| 21) Endrin Ke...            | 8.898 | 9.788  | 21133320 | 17024410 | 9.143      | 10.089     |
| 23) Hexachlor...            | 3.176 | 3.774  | 23255    | 5618     | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.770 | 6.567f | 105934   | 89193    | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.234 | 7.992  | 19468    | 79342    | 104477.346 | BelowCal # |
| 26) 2,4'-DDE                | 7.328 | 8.222  | 39973725 | 33914453 | 15.406     | 14.911     |
| 27) trans-Non...            | 7.520 | 8.281  | 39531751 | 132215   | 10.301     | BelowCal # |
| 28) 2,4'-DDD                | 7.707 | 8.582  | 115801   | 34744561 | BelowCal   | 17.292     |
| 29) 2,4'-DDT                | 7.888 | 8.810  | 125373   | 24238440 | BelowCal   | 11.640     |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172010.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:30  
 Operator : MJB  
 Sample : 0G17041-CAL5  
 Misc : A20C180, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:24 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

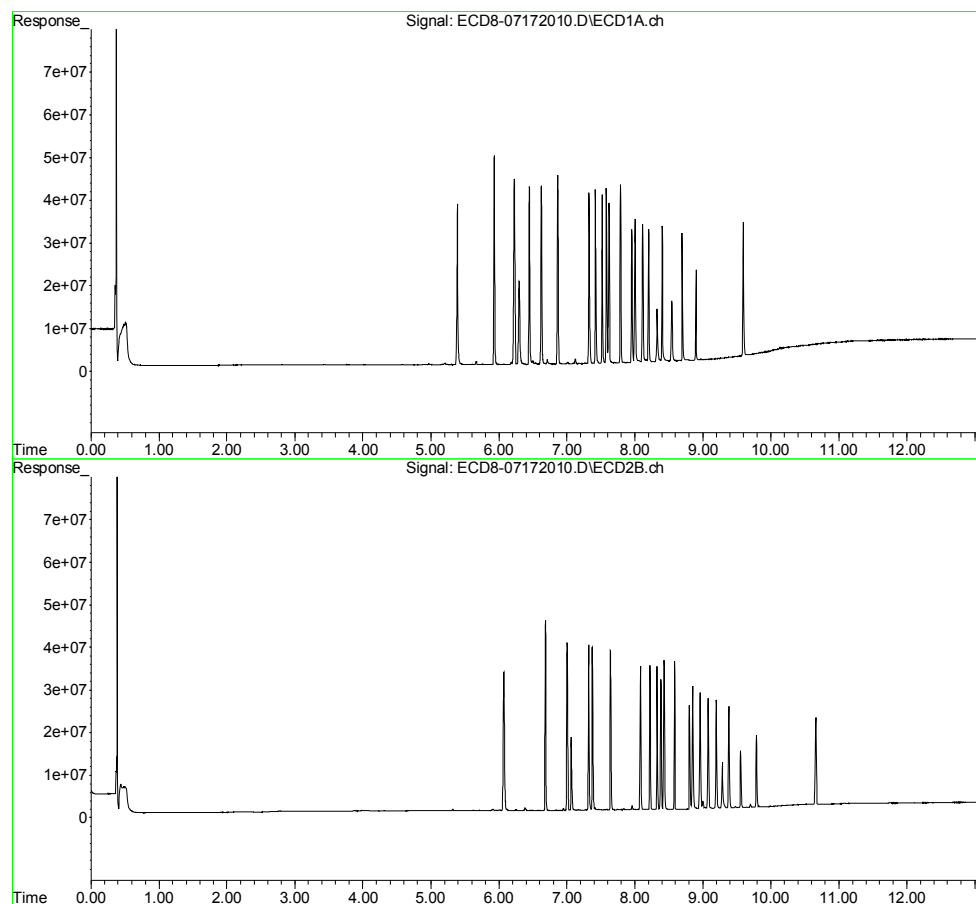
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|----------|----------|-----------|------------|
| 30) | cis-Nonac... | 7.954  | 8.849  | 30876148 | 28753995 | 7.416     | 7.940      |
| 31) | Mirex        | 8.651  | 9.788  | 121209   | 17024410 | 14904.407 | 7.631 #    |
| 32) | Chlordane... | 7.423  | 8.222  | 40751734 | 33914453 | 90.081    | 76.763     |
| 33) | Chlordane... | 7.520  | 8.329  | 39531751 | 33601845 | 71.850    | 90.272 #   |
| 34) | Chlordane... | 8.063  | 8.995  | 394348   | 1797955  | 2.719     | 7.104 #    |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.520f | 8.582f | 39531751 | 34744561 | 2298.096  | 1149.071 # |
| 37) | Toxaphene... | 7.789  | 0.000  | 41629628 | 0        | 1291.910  | N.D. #     |
| 38) | Toxaphene... | 8.114f | 8.959f | 32181724 | 27159286 | 427.103   | 429.486    |
| 39) | Toxaphene... | 8.329  | 8.995  | 12307817 | 1797955  | 178.606   | 12.612 #   |
| 40) | Toxaphene... | 8.542  | 9.195  | 14083584 | 25407176 | 252.163   | 447.502 #  |
| 41) | Toxaphene... | 8.651f | 9.556  | 121209   | 13377151 | 1.577     | 206.604 #  |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172010.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:30  
Operator : MJB  
Sample : 0G17041-CAL5  
Misc : A20C180, AB 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:42:24 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172011.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:47  
 Operator : MJB  
 Sample : 0G17041-CAL6  
 Misc : A20C181, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:38 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL      |
|-----------------------------|-------|--------|----------|----------|------------|------------|
| -----                       |       |        |          |          |            |            |
| System Monitoring Compounds |       |        |          |          |            |            |
| 1) S TCMX (S)               | 5.391 | 6.079  | 89211130 | 84839275 | 23.902     | 24.168     |
| 22) S DCBP (S)              | 9.594 | 10.660 | 73612216 | 50113347 | 24.082     | 23.693     |
| Target Compounds            |       |        |          |          |            |            |
| 2) a-BHC                    | 5.932 | 6.686  | 123.3E6  | 116.2E6  | 25.042     | 25.354     |
| 3) g-BHC                    | 6.217 | 7.004  | 108.9E6  | 103.1E6  | 24.611     | 25.536     |
| 4) b-BHC                    | 6.295 | 7.066  | 47753857 | 43057885 | 24.053     | 22.840     |
| 5) Heptachlor               | 6.625 | 7.378  | 106.1E6  | 101.5E6  | 25.062     | 25.626     |
| 6) d-BHC                    | 6.446 | 7.322  | 103.2E6  | 99905439 | 25.024     | 25.392     |
| 7) Aldrin                   | 6.865 | 7.644  | 106.1E6  | 97238534 | 24.318     | 25.606     |
| 8) Heptachlo...             | 7.327 | 8.082  | 96633150 | 85517085 | 23.863     | 23.360     |
| 9) trans-Chl...             | 7.422 | 8.222  | 100.3E6  | 86073442 | 24.240     | 23.229     |
| 10) cis-Chlor...            | 7.519 | 8.328  | 96315715 | 84003221 | 23.486     | 23.676     |
| 11) Endosulfa...            | 7.616 | 8.381  | 88828375 | 78073443 | 23.543     | 23.570     |
| 12) 4,4'-DDE                | 7.580 | 8.431  | 101.6E6  | 89875572 | 24.861     | 25.089     |
| 13) Dieldrin                | 7.788 | 8.582  | 101.8E6  | 89378150 | 24.078     | 24.302     |
| 14) Endrin                  | 7.953 | 8.810  | 74705441 | 65935392 | 24.707     | 26.119     |
| 15) 4,4'-DDD                | 8.002 | 8.848  | 81479433 | 73570318 | 24.395     | 24.711     |
| 16) Endosulfa...            | 8.112 | 8.958  | 78180702 | 68170658 | 24.177     | 23.237     |
| 17) 4,4'-DDT                | 8.200 | 9.076  | 77234425 | 72132824 | 24.996     | 26.506     |
| 18) Endrin Al...            | 8.401 | 9.194  | 74485882 | 63589507 | 22.621     | 22.337     |
| 19) Endosulfa...            | 8.703 | 9.385  | 71357653 | 61962840 | 24.637     | 24.984     |
| 20) Methoxychlor            | 8.541 | 9.556  | 37317871 | 35103449 | 24.624     | 23.674     |
| 21) Endrin Ke...            | 8.897 | 9.788  | 56008072 | 43829907 | 24.231     | 25.311     |
| 23) Hexachlor...            | 3.182 | 3.774  | 30153    | 9226     | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.771 | 6.540  | 235298   | 36660    | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.263 | 7.991  | 474667   | 138005   | 104477.212 | BelowCal # |
| 26) 2,4'-DDE                | 7.327 | 8.222  | 96633150 | 86073442 | 37.274     | 37.053     |
| 27) trans-Non...            | 7.519 | 8.280  | 96315715 | 339952   | 25.416     | BelowCal # |
| 28) 2,4'-DDD                | 7.706 | 8.582  | 237060   | 89378150 | BelowCal   | 43.322     |
| 29) 2,4'-DDT                | 7.885 | 8.810  | 263656   | 65935392 | BelowCal   | 31.144     |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:51:31 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172011.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:47  
 Operator : MJB  
 Sample : 0G17041-CAL6  
 Misc : A20C181, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:38 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

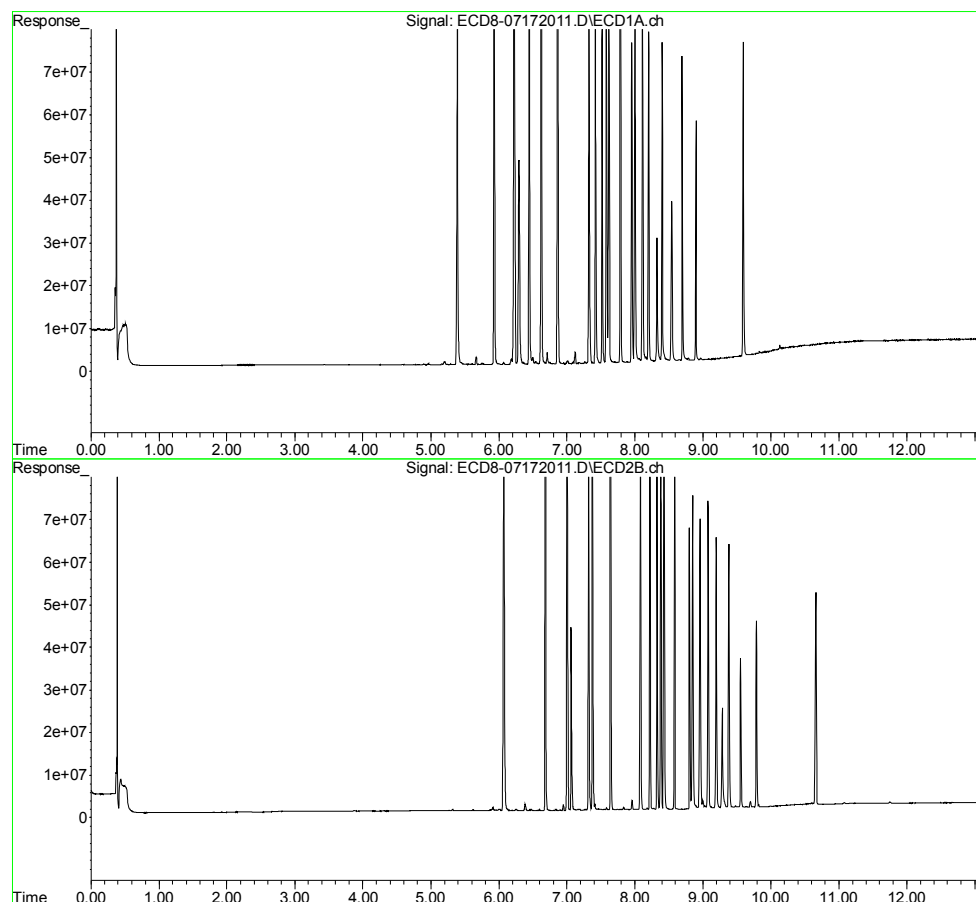
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|----------|----------|-----------|------------|
| 30) | cis-Nonac... | 7.953f | 8.848  | 74705441 | 73570318 | 18.175    | 20.301     |
| 31) | Mirex        | 8.651  | 9.788  | 237914   | 43829907 | 14904.363 | 20.079 #   |
| 32) | Chlordane... | 7.422  | 8.222  | 100.3E6  | 86073442 | 221.695   | 194.821    |
| 33) | Chlordane... | 7.519  | 8.328  | 96315715 | 84003221 | 175.055   | 225.677 #  |
| 34) | Chlordane... | 8.062  | 8.995  | 880928   | 1953405  | 6.074     | 8.570 #    |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.519f | 8.582f | 96315715 | 89378150 | 5599.114  | 2955.911 # |
| 37) | Toxaphene... | 7.788  | 0.000  | 101.8E6  | 0        | 3214.475  | N.D. #     |
| 38) | Toxaphene... | 8.112  | 8.958f | 78180702 | 68170658 | 1037.584  | 1078.024   |
| 39) | Toxaphene... | 8.328  | 8.995  | 28681242 | 1953405  | 418.584   | 14.317 #   |
| 40) | Toxaphene... | 8.541f | 9.194  | 37317871 | 63589507 | 668.166   | 1120.016 # |
| 41) | Toxaphene... | 8.651f | 9.556  | 237914   | 35103449 | 3.095     | 542.158 #  |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172011.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:47  
Operator : MJB  
Sample : 0G17041-CAL6  
Misc : A20C181, AB 25 ppb  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:42:38 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172012.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:03  
 Operator : MJB  
 Sample : 0G17041-CAL7  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:52 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL      |
|-----------------------------|-------|--------|----------|----------|--------|------------|
| -----                       |       |        |          |          |        |            |
| System Monitoring Compounds |       |        |          |          |        |            |
| 1) S TCMX (S)               | 5.391 | 6.079  | 183.6E6  | 183.6E6  | 49.185 | 52.291     |
| 22) S DCBP (S)              | 9.595 | 10.659 | 150.4E6  | 110.4E6  | 49.373 | 51.203     |
| Target Compounds            |       |        |          |          |        |            |
| 2) a-BHC                    | 5.932 | 6.685  | 262.7E6  | 263.2E6  | 53.349 | 54.914     |
| 3) g-BHC                    | 6.217 | 7.003  | 227.3E6  | 227.4E6  | 51.395 | 53.815     |
| 4) b-BHC                    | 6.295 | 7.065  | 94623167 | 93322988 | 47.660 | 49.502     |
| 5) Heptachlor               | 6.625 | 7.378  | 221.5E6  | 227.5E6  | 52.323 | 55.063     |
| 6) d-BHC                    | 6.446 | 7.322  | 215.8E6  | 222.9E6  | 52.321 | 54.295     |
| 7) Aldrin                   | 6.866 | 7.644  | 222.1E6  | 208.1E6  | 50.896 | 52.710     |
| 8) Heptachlo...             | 7.327 | 8.082  | 205.1E6  | 188.7E6  | 50.642 | 51.559     |
| 9) trans-Chl...             | 7.422 | 8.221  | 210.7E6  | 196.0E6  | 50.920 | 52.901     |
| 10) cis-Chlor...            | 7.518 | 8.328  | 202.4E6  | 184.2E6  | 49.348 | 51.923     |
| 11) Endosulfa...            | 7.616 | 8.380  | 190.7E6  | 172.1E6  | 50.540 | 51.944     |
| 12) 4,4'-DDE                | 7.581 | 8.431  | 211.1E6  | 199.4E6  | 51.633 | 53.107     |
| 13) Dieldrin                | 7.787 | 8.581  | 222.8E6  | 201.4E6  | 52.693 | 54.760     |
| 14) Endrin                  | 7.952 | 8.809  | 154.2E6  | 145.6E6  | 50.996 | 55.092     |
| 15) 4,4'-DDD                | 8.002 | 8.848  | 170.1E6  | 170.2E6  | 50.934 | 54.507     |
| 16) Endosulfa...            | 8.111 | 8.957  | 165.9E6  | 156.4E6  | 51.312 | 53.323     |
| 17) 4,4'-DDT                | 8.199 | 9.075  | 167.8E6  | 159.3E6  | 54.320 | 55.218     |
| 18) Endrin Al...            | 8.400 | 9.193  | 157.3E6  | 139.4E6  | 47.758 | 48.969     |
| 19) Endosulfa...            | 8.702 | 9.384  | 149.9E6  | 139.6E6  | 51.738 | 53.870     |
| 20) Methoxychlor            | 8.541 | 9.555  | 77457302 | 78307583 | 51.109 | 52.811     |
| 21) Endrin Ke...            | 8.896 | 9.787  | 122.1E6  | 97552598 | 52.810 | 53.339     |
| 23) Hexachlor...            | 0.000 | 3.759  | 0        | 16941    | N.D.   | BelowCal   |
| 24) Hexachlor...            | 5.756 | 6.542  | 872916   | 10504    | 0.016  | BelowCal # |
| 25) Oxychlorthane           | 7.264 | 7.992  | 926251   | 559078   | 0.087  | BelowCal # |
| 26) 2,4'-DDE                | 7.327 | 8.221  | 205.1E6  | 196.0E6  | 78.425 | 80.138     |
| 27) trans-Non...            | 7.518 | 8.278  | 202.4E6  | 837883   | 53.588 | 0.009 #    |
| 28) 2,4'-DDD                | 7.705 | 8.581  | 475265   | 201.4E6  | 0.017  | 92.136 #   |
| 29) 2,4'-DDT                | 7.885 | 8.809  | 512596   | 145.6E6  | 0.038  | 65.883 #   |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172012.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:03  
 Operator : MJB  
 Sample : 0G17041-CAL7  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:42:52 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

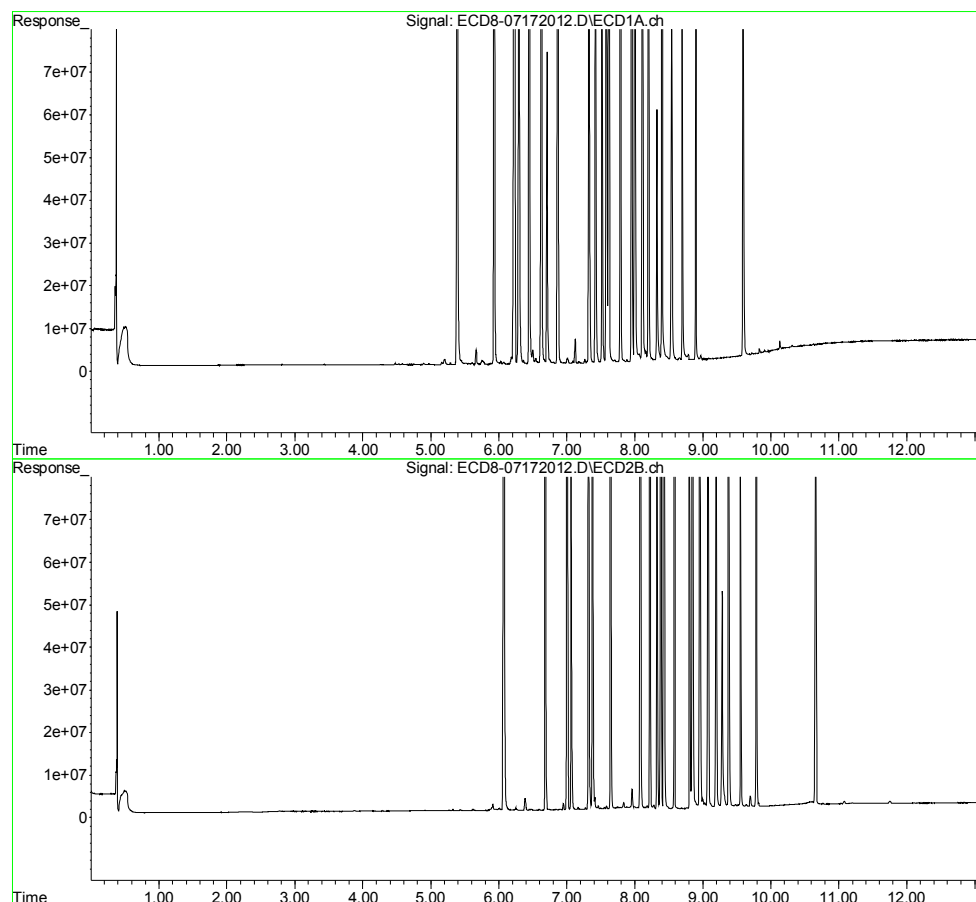
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|----------|----------|-----------|------------|
| 30) | cis-Nonac... | 7.952f | 8.848  | 154.2E6  | 170.2E6  | 37.598    | 45.859     |
| 31) | Mirex        | 8.651  | 9.787  | 512025   | 97552598 | 14904.258 | 44.278 #   |
| 32) | Chlordane... | 7.422  | 8.221  | 210.7E6  | 196.0E6  | 465.712   | 443.674    |
| 33) | Chlordane... | 7.518  | 8.328  | 202.4E6  | 184.2E6  | 367.832   | 494.925 #  |
| 34) | Chlordane... | 0.000  | 8.994  | 0        | 2160914  | N.D.      | 10.526 #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.518f | 8.581f | 202.4E6  | 201.4E6  | 11765.032 | 6660.528 # |
| 37) | Toxaphene... | 7.787  | 0.000  | 222.8E6  | 0        | 7281.003  | N.D. #     |
| 38) | Toxaphene... | 8.111  | 8.957f | 165.9E6  | 156.4E6  | 2202.161  | 2473.834   |
| 39) | Toxaphene... | 8.327  | 8.994  | 57651765 | 2160914  | 832.050   | 16.591 #   |
| 40) | Toxaphene... | 8.541  | 9.193  | 77457302 | 139.4E6  | 1386.851  | 2455.354 # |
| 41) | Toxaphene... | 8.651f | 9.555  | 512025   | 78307583 | 6.660     | 1209.427 # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172012.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:03  
Operator : MJB  
Sample : 0G17041-CAL7  
Misc : A20E232, AB 50 ppb  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:42:52 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172013.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:20  
 Operator : MJB  
 Sample : 0G17041-CAL8  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:43:04 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.390  | 6.079  | 372.4E6 | 365.1E6 | 99.774   | 103.995    |
| 22) S DCBP (S)              | 9.594  | 10.659 | 302.8E6 | 226.5E6 | 99.361   | 100.828    |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.932  | 6.684  | 510.2E6 | 525.0E6 | 103.604  | 102.448    |
| 3) g-BHC                    | 6.216  | 7.003  | 452.0E6 | 451.5E6 | 102.182  | 99.599     |
| 4) b-BHC                    | 6.293  | 7.065  | 195.8E6 | 186.2E6 | 98.596   | 98.792     |
| 5) Heptachlor               | 6.625  | 7.377  | 433.1E6 | 445.2E6 | 102.301  | 101.179    |
| 6) d-BHC                    | 6.444  | 7.321  | 428.6E6 | 441.0E6 | 103.896  | 100.789    |
| 7) Aldrin                   | 6.865  | 7.644  | 442.0E6 | 431.4E6 | 101.286  | 102.157    |
| 8) Heptachlo...             | 7.325  | 8.081  | 392.0E6 | 394.4E6 | 96.807   | 107.738    |
| 9) trans-Chl...             | 7.420  | 8.220  | 408.8E6 | 403.1E6 | 98.795   | 108.798    |
| 10) cis-Chlor...            | 7.516  | 8.327  | 391.8E6 | 380.2E6 | 95.543   | 107.162    |
| 11) Endosulfa...            | 7.614  | 8.380  | 373.2E6 | 359.5E6 | 98.920   | 108.531    |
| 12) 4,4'-DDE                | 7.580  | 8.431  | 419.0E6 | 419.3E6 | 102.484  | 103.217    |
| 13) Dieldrin                | 7.786  | 8.580  | 423.5E6 | 396.5E6 | 100.138  | 107.801    |
| 14) Endrin                  | 7.951  | 8.809  | 312.0E6 | 285.3E6 | 103.195  | 100.701    |
| 15) 4,4'-DDD                | 8.000  | 8.847  | 342.6E6 | 351.0E6 | 102.579  | 104.240    |
| 16) Endosulfa...            | 8.109  | 8.957  | 325.0E6 | 313.1E6 | 100.488  | 106.730    |
| 17) 4,4'-DDT                | 8.198  | 9.075  | 317.5E6 | 324.7E6 | 102.769  | 102.830    |
| 18) Endrin Al...            | 8.399  | 9.194  | 297.1E6 | 286.0E6 | 90.225   | 100.457    |
| 19) Endosulfa...            | 8.701  | 9.384  | 295.3E6 | 287.9E6 | 101.956  | 103.350    |
| 20) Methoxychlor            | 8.540  | 9.555  | 151.2E6 | 155.4E6 | 99.742   | 104.818    |
| 21) Endrin Ke...            | 8.895  | 9.787  | 233.5E6 | 207.3E6 | 101.008  | 103.263    |
| 23) Hexachlor...            | 3.149f | 3.758  | 13231   | 19416   | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.771  | 6.545  | 803971  | 24048   | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.261  | 7.988  | 1761412 | 489051  | 0.331    | BelowCal # |
| 26) 2,4'-DDE                | 7.325  | 8.220  | 392.0E6 | 403.1E6 | 147.346  | 151.642    |
| 27) trans-Non...            | 7.516  | 8.280  | 391.8E6 | 1040964 | 103.719  | 0.073 #    |
| 28) 2,4'-DDD                | 7.703  | 8.580  | 903257  | 396.5E6 | 0.209    | 166.657 #  |
| 29) 2,4'-DDT                | 7.883  | 8.809  | 1102234 | 285.3E6 | 0.293    | 120.594 #  |

✓

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172013.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:20  
 Operator : MJB  
 Sample : 0G17041-CAL8  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:43:04 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL       |
|-----|--------------|--------|--------|---------|---------|-----------|-------------|
| 30) | cis-Nonac... | 7.951f | 8.847  | 312.0E6 | 351.0E6 | 75.829    | 90.242      |
| 31) | Mirex        | 8.650  | 9.787  | 1022099 | 207.3E6 | 0.104     | 90.976 #    |
| 32) | Chlordane... | 7.420  | 8.220  | 408.8E6 | 403.1E6 | 903.575   | 912.468     |
| 33) | Chlordane... | 7.516  | 8.327  | 391.8E6 | 380.2E6 | 712.156   | 1021.447 #  |
| 34) | Chlordane... | 8.062  | 8.994  | 3228501 | 2723517 | 22.260    | 15.824 #    |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.        |
| 36) | Toxaphene... | 7.516f | 8.580f | 391.8E6 | 396.5E6 | 22778.181 | 13111.954 # |
| 37) | Toxaphene... | 7.786  | 0.000  | 423.5E6 | 0       | 14779.281 | N.D. #      |
| 38) | Toxaphene... | 8.109  | 8.957f | 325.0E6 | 313.1E6 | 4312.615  | 4951.564    |
| 39) | Toxaphene... | 8.325  | 8.994  | 105.0E6 | 2723517 | 1480.486  | 22.753 #    |
| 40) | Toxaphene... | 8.540f | 9.194  | 151.2E6 | 286.0E6 | 2706.488  | 5037.018 #  |
| 41) | Toxaphene... | 8.650f | 9.555  | 1022099 | 155.4E6 | 13.295    | 2400.456 #  |
| 42) | Toxaphene... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.        |

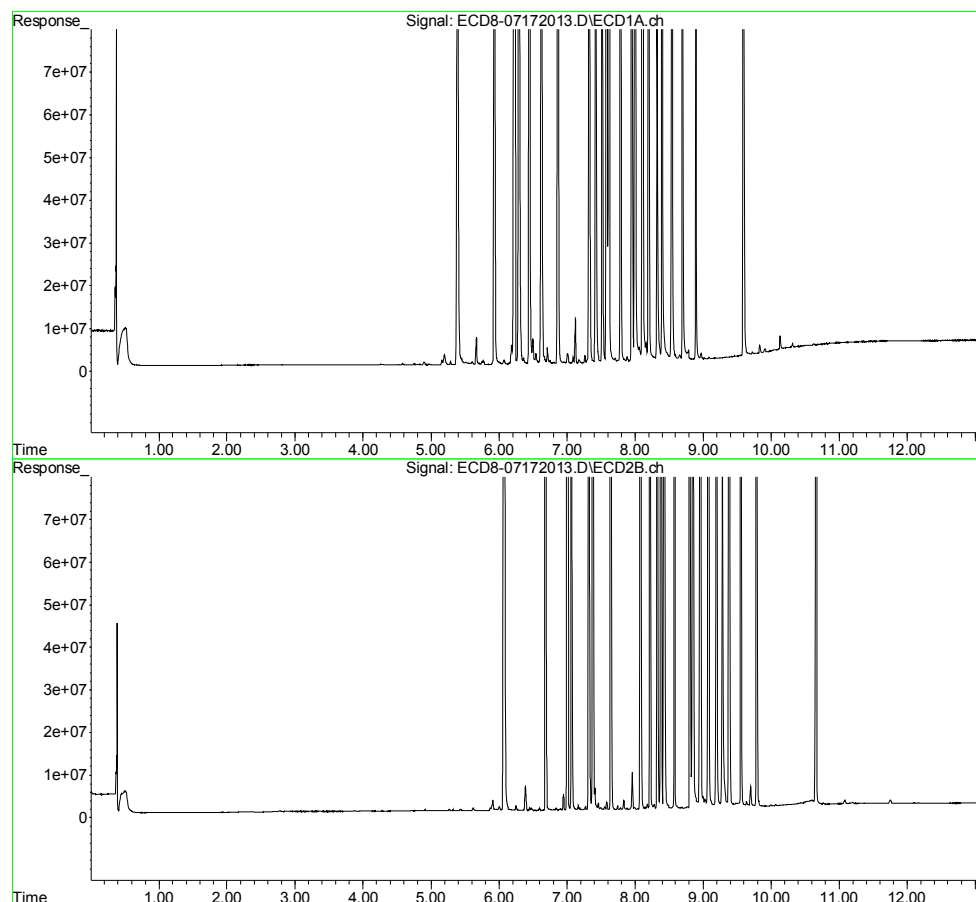
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172013.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:20  
Operator : MJB  
Sample : 0G17041-CAL8  
Misc : A20E233, AB 100 ppb  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:43:04 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172014.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:37  
 Operator : MJB  
 Sample : 0G17041-CAL9  
 Misc : A20C177, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:43:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|-------|--------|----------|----------|----------|------------|
| -----                       |       |        |          |          |          |            |
| System Monitoring Compounds |       |        |          |          |          |            |
| 1) S TCMX (S)               | 5.390 | 6.079  | 749.2E6  | 799.8E6  | 200.740  | 227.852    |
| 22) S DCBP (S)              | 9.593 | 10.659 | 617.8E6  | 485.2E6  | 201.844  | 199.371    |
| Target Compounds            |       |        |          |          |          |            |
| 2) a-BHC                    | 5.931 | 6.684  | 1056.6E6 | 1120.2E6 | 214.569  | 194.409    |
| 3) g-BHC                    | 6.215 | 7.003  | 928.1E6  | 1024.2E6 | 209.815  | 197.395    |
| 4) b-BHC                    | 6.292 | 7.064  | 382.8E6  | 393.1E6  | 192.833  | 208.513    |
| 5) Heptachlor               | 6.624 | 7.377  | 871.0E6  | 966.2E6  | 205.728  | 195.202    |
| 6) d-BHC                    | 6.443 | 7.321  | 875.5E6  | 966.5E6  | 212.233  | 196.083    |
| 7) Aldrin                   | 6.864 | 7.643  | 885.2E6  | 929.8E6  | 202.856  | 195.950    |
| 8) Heptachlo...             | 7.324 | 8.080  | 789.0E6  | 840.5E6  | 194.845  | 229.603    |
| 9) trans-Chl...             | 7.419 | 8.219  | 826.3E6  | 850.1E6  | 199.716  | 229.426    |
| 10) cis-Chlor...            | 7.515 | 8.327  | 797.8E6  | 796.0E6  | 194.543  | 224.337    |
| 11) Endosulfa...            | 7.614 | 8.378  | 757.4E6  | 768.4E6  | 200.741  | 231.992    |
| 12) 4,4'-DDE                | 7.578 | 8.430  | 875.6E6  | 903.6E6  | 214.182  | 195.326    |
| 13) Dieldrin                | 7.785 | 8.579  | 865.5E6  | 863.7E6  | 204.647  | 234.842    |
| 14) Endrin                  | 7.950 | 8.808  | 625.8E6  | 631.0E6  | 206.977  | 195.425    |
| 15) 4,4'-DDD                | 7.999 | 8.847  | 714.0E6  | 737.5E6  | 213.787  | 193.827    |
| 16) Endosulfa...            | 8.108 | 8.955  | 665.2E6  | 675.6E6  | 205.720  | 230.276    |
| 17) 4,4'-DDT                | 8.197 | 9.074  | 675.9E6  | 713.1E6  | 218.751  | 193.819    |
| 18) Endrin Al...            | 8.398 | 9.192  | 627.8E6  | 616.2E6  | 190.674  | 216.458    |
| 19) Endosulfa...            | 8.700 | 9.383  | 614.3E6  | 612.6E6  | 212.105  | 194.788    |
| 20) Methoxychlor            | 8.539 | 9.554  | 315.0E6  | 329.9E6  | 207.848  | 222.515    |
| 21) Endrin Ke...            | 8.894 | 9.786  | 496.5E6  | 456.5E6  | 214.790  | 195.260    |
| 23) Hexachlor...            | 3.187 | 3.771  | 26831    | 19497    | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.771 | 6.543  | 1520365  | 49402    | 0.199    | BelowCal # |
| 25) Oxychlordan             | 7.260 | 7.986  | 3275109  | 1092804  | 0.774    | 0.143 #    |
| 26) 2,4'-DDE                | 7.324 | 8.219  | 789.0E6  | 850.1E6  | 286.245  | 279.485    |
| 27) trans-Non...            | 7.515 | 8.279  | 797.8E6  | 1874485  | 210.348  | 0.336 #    |
| 28) 2,4'-DDD                | 7.702 | 8.579  | 1735124  | 863.7E6  | 0.582    | 312.871 #  |
| 29) 2,4'-DDT                | 7.883 | 8.808  | 2226200  | 631.0E6  | 0.778    | 234.283 #  |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172014.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:37  
 Operator : MJB  
 Sample : 0G17041-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: Jul 20 14:43:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

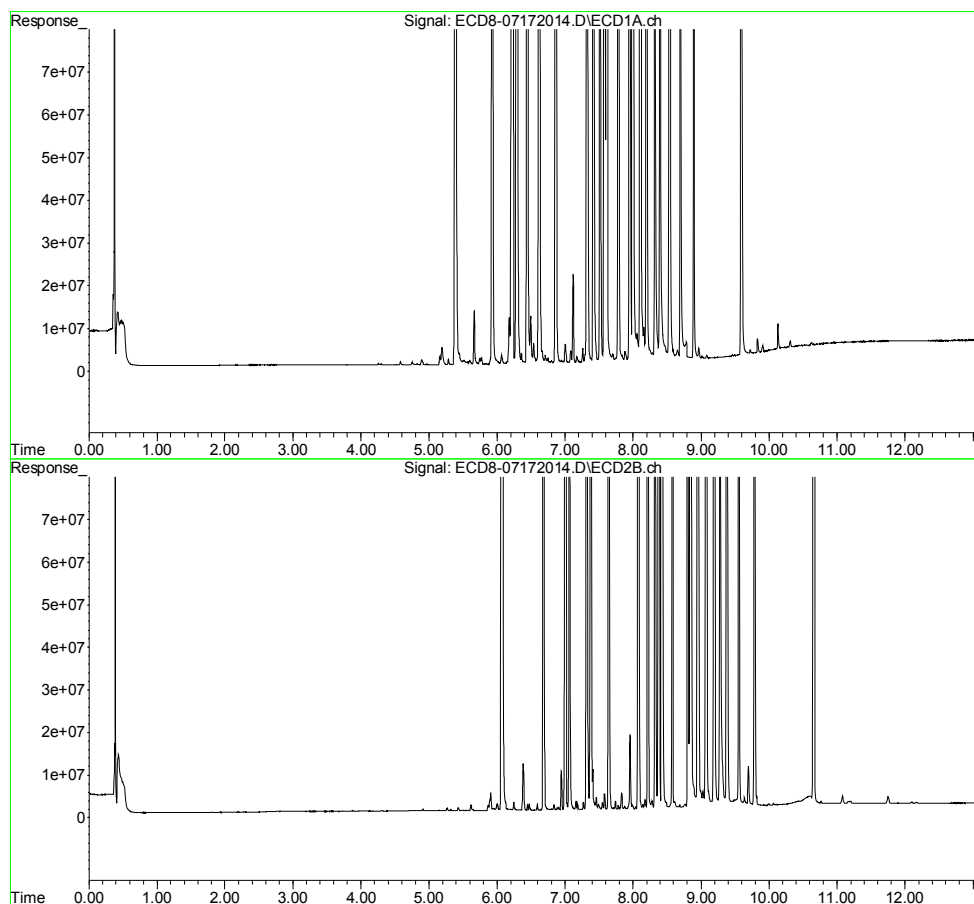
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL       |
|-----|--------------|--------|--------|---------|---------|-----------|-------------|
| 30) | cis-Nonac... | 7.950f | 8.847  | 625.8E6 | 737.5E6 | 150.572   | 174.237     |
| 31) | Mirex        | 8.649  | 9.786  | 1997598 | 456.5E6 | 0.477     | 186.509 #   |
| 32) | Chlordane... | 7.419  | 8.219  | 826.3E6 | 850.1E6 | 1826.596  | 1924.150    |
| 33) | Chlordane... | 7.515  | 8.327  | 797.8E6 | 796.0E6 | 1450.075  | 2138.340 #  |
| 34) | Chlordane... | 8.060  | 8.955f | 6204268 | 675.6E6 | 42.777    | 4284.747 #  |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.        |
| 36) | Toxaphene... | 7.515f | 8.579f | 797.8E6 | 863.7E6 | 46380.361 | 28564.072 # |
| 37) | Toxaphene... | 7.785  | 0.000  | 865.5E6 | 0       | 38440.687 | N.D. #      |
| 38) | Toxaphene... | 8.108  | 8.955f | 665.2E6 | 675.6E6 | 8828.804  | 10683.247   |
| 39) | Toxaphene... | 8.323  | 9.033f | 194.4E6 | 3790568 | 2624.871  | 34.415 #    |
| 40) | Toxaphene... | 8.539f | 9.192  | 315.0E6 | 616.2E6 | 5639.942  | 10853.383 # |
| 41) | Toxaphene... | 8.649f | 9.554  | 1997598 | 329.9E6 | 25.984    | 5095.823 #  |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172014.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:37  
Operator : MJB  
Sample : 0G17041-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: Jul 20 14:43:17 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:26  
 Operator : MJB  
 Sample : 0G17041-CALA  
 Misc : A20F082, 9-42 0.5 ppb  
 ALS Vial : 14 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.389  | 6.079  | 46860   | 55160   | 0.013    | 0.016 #    |
| 22) S DCBP (S)              | 9.596  | 10.659 | 303049  | 442067  | BelowCal | BelowCal   |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.944  | 6.684  | 40089   | 23674   | 0.008    | 0.046 #    |
| 3) g-BHC                    | 6.219  | 7.003  | 31198   | 27499   | 0.007    | 0.006      |
| 4) b-BHC                    | 6.302  | 7.066  | 35493   | 19008   | 0.018    | 0.010 #    |
| 5) Heptachlor               | 6.629  | 7.378  | 42792   | 27058   | 0.010    | BelowCal # |
| 6) d-BHC                    | 6.452  | 7.321  | 38178   | 40092   | 0.009    | 0.043 #    |
| 7) Aldrin                   | 6.863  | 7.645  | 37682   | 28729   | 0.009    | BelowCal # |
| 8) Heptachlo...             | 7.332  | 8.081  | 1697469 | 52423   | 0.419    | 0.014 #    |
| 9) trans-Chl...             | 7.426  | 8.211  | 120937  | 1531133 | 0.029    | 0.413 #    |
| 10) cis-Chlor...            | 7.511  | 8.329  | 2708442 | 134960  | 0.660    | 0.038 #    |
| 11) Endosulfa...            | 7.623  | 8.379  | 31792   | 26692   | 0.008    | 0.008      |
| 12) 4,4'-DDE                | 7.580  | 8.430  | 60905   | 37056   | 0.015    | 0.029 #    |
| 13) Dieldrin                | 7.789  | 8.583  | 81114   | 1354404 | 0.019    | 0.368 #    |
| 14) Endrin                  | 7.981f | 8.809  | 2710672 | 1387580 | 0.896    | 0.540 #    |
| 15) 4,4'-DDD                | 7.981f | 8.850  | 2710672 | 2337639 | 0.812    | 0.824      |
| 16) Endosulfa...            | 8.118  | 8.961  | 42280   | 76227   | 0.013    | 0.026 #    |
| 17) 4,4'-DDT                | 8.200  | 9.077  | 53319   | 136477  | 0.017    | 0.037 #    |
| 18) Endrin Al...            | 8.404  | 9.194  | 210693  | 165176  | 0.064    | 0.058      |
| 19) Endosulfa...            | 8.705  | 9.385  | 44620   | 106242  | 0.015    | BelowCal # |
| 20) Methoxychlor            | 8.547  | 9.555  | 32583   | 123622  | 0.021    | 0.083 #    |
| 21) Endrin Ke...            | 8.886  | 9.779  | 354907  | 1857129 | 0.154    | 1.025 #    |
| 23) Hexachlor...            | 3.182  | 3.775  | 2442623 | 2610849 | 0.474    | 0.479      |
| 24) Hexachlor...            | 5.771  | 6.544  | 2520153 | 2355809 | 0.481    | 0.487      |
| 25) Oxychlordan             | 7.256  | 8.010  | 2279406 | 2071594 | 0.483    | 0.484      |
| 26) 2,4'-DDE                | 7.332  | 8.211  | 1697469 | 1531133 | 0.484    | 0.490      |
| 27) trans-Non...            | 7.511  | 8.283  | 2708442 | 2349402 | 0.488    | 0.486      |
| 28) 2,4'-DDD                | 7.704  | 8.583  | 1506066 | 1354404 | 0.479    | 0.485      |
| 29) 2,4'-DDT                | 7.885  | 8.809  | 1534728 | 1387580 | 0.479    | 0.489      |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:26  
 Operator : MJB  
 Sample : 0G17041-CALA  
 Misc : A20F082, 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: Jul 20 14:44:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

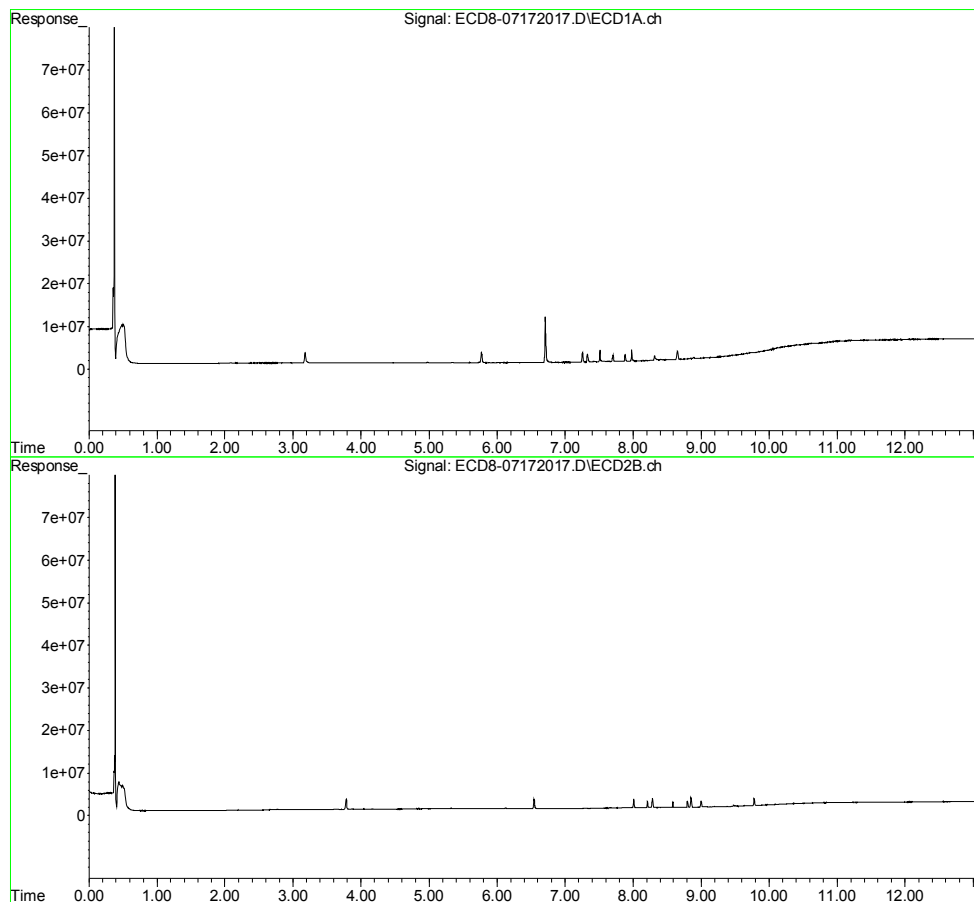
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL      | ng/mL |   |
|-----|--------------|--------|--------|---------|---------|------------|-------|---|
| 30) | cis-Nonac... | 7.981  | 8.850  | 2710672 | 2337639 | 0.484      | 0.486 |   |
| 31) | Mirex        | 8.647  | 9.779  | 1992597 | 1857129 | 0.475      | 0.469 | ✓ |
| 32) | Chlordane... | 7.426  | 8.211  | 120937  | 1531133 | 0.267      | 3.466 | # |
| 33) | Chlordane... | 7.511  | 8.329  | 2708442 | 134960  | 4.923      | 0.363 | # |
| 34) | Chlordane... | 8.072  | 8.995  | 26684   | 1348675 | 0.184      | 2.866 | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.       | N.D.  |   |
| 36) | Toxaphene... | 7.511f | 8.538  | 2708442 | 10020   | 157.450    | 0.331 | # |
| 37) | Toxaphene... | 7.789  | 8.933f | 81114   | 58540   | 125252.952 | 1.490 | # |
| 38) | Toxaphene... | 8.072f | 8.933  | 26684   | 58540   | 0.354      | 0.926 | # |
| 39) | Toxaphene... | 8.316  | 8.995  | 1081554 | 1348675 | 11.258     | 7.681 | # |
| 40) | Toxaphene... | 8.547  | 9.172  | 32583   | 127443  | 0.583      | 2.245 | # |
| 41) | Toxaphene... | 8.647  | 9.555  | 1992597 | 123622  | 25.919     | 1.909 | # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 14:44:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:43  
 Operator : MJB  
 Sample : 0G17041-CALB  
 Misc : A20C353, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:23 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL | ng/mL      |
|-----------------------------|--------|--------|---------|---------|-------|------------|
| -----                       |        |        |         |         |       |            |
| System Monitoring Compounds |        |        |         |         |       |            |
| 1) S TCMX (S)               | 5.363f | 6.091  | 95564   | 17851   | 0.026 | 0.005 #    |
| 22) S DCBP (S)              | 0.000  | 10.649 | 0       | 393552  | N.D.  | BelowCal   |
| Target Compounds            |        |        |         |         |       |            |
| 2) a-BHC                    | 5.927  | 6.681  | 25383   | 7410    | 0.005 | 0.042 #    |
| 3) g-BHC                    | 6.220  | 7.000  | 19444   | 13773   | 0.004 | 0.002 #    |
| 4) b-BHC                    | 6.301  | 7.054  | 28906   | 13074   | 0.015 | 0.007 #    |
| 5) Heptachlor               | 6.629  | 7.377  | 27111   | 25875   | 0.006 | BelowCal # |
| 6) d-BHC                    | 6.452  | 7.320  | 15421   | 30892   | 0.004 | 0.040 #    |
| 7) Aldrin                   | 6.865  | 7.648  | 24467   | 47937   | 0.006 | 0.004 #    |
| 8) Heptachlo...             | 7.332  | 8.082  | 3231037 | 76521   | 0.798 | 0.021 #    |
| 9) trans-Chl...             | 7.425  | 8.211  | 189387  | 2813710 | 0.046 | 0.759 #    |
| 10) cis-Chlor...            | 7.511  | 8.329  | 4867111 | 220149  | 1.187 | 0.062 #    |
| 11) Endosulfa...            | 7.644f | 8.383  | 45908   | 21112   | 0.012 | 0.006 #    |
| 12) 4,4'-DDE                | 7.582  | 8.433  | 51284   | 22874   | 0.013 | 0.025 #    |
| 13) Dieldrin                | 7.788  | 8.584  | 33045   | 2521607 | 0.008 | 0.686 #    |
| 14) Endrin                  | 7.980f | 8.809  | 5147187 | 2602143 | 1.702 | 1.042 #    |
| 15) 4,4'-DDD                | 7.980f | 8.850  | 5147187 | 4492264 | 1.541 | 1.575      |
| 16) Endosulfa...            | 8.123  | 8.930f | 19979   | 27661   | 0.006 | 0.009 #    |
| 17) 4,4'-DDT                | 8.203  | 9.075  | 8341    | 82189   | 0.003 | 0.016 #    |
| 18) Endrin Al...            | 8.404  | 9.197  | 118272  | 99336   | 0.036 | 0.035      |
| 19) Endosulfa...            | 0.000  | 9.386  | 0       | 77673   | N.D.  | BelowCal   |
| 20) Methoxychlor            | 0.000  | 9.539  | 0       | 103113  | N.D.  | 0.070 #    |
| 21) Endrin Ke...            | 8.886  | 9.780  | 343286  | 3252585 | 0.149 | 1.874 #    |
| 23) Hexachlor...            | 3.182  | 3.776  | 4669498 | 4887151 | 1.116 | 1.096      |
| 24) Hexachlor...            | 5.770  | 6.544  | 4691983 | 4319699 | 1.094 | 1.084      |
| 25) Oxychlordan             | 7.255  | 8.009  | 4346224 | 3816786 | 1.088 | 1.091      |
| 26) 2,4'-DDE                | 7.332  | 8.211  | 3231037 | 2813710 | 1.085 | 1.072      |
| 27) trans-Non...            | 7.511  | 8.283  | 4867111 | 4254521 | 1.064 | 1.087      |
| 28) 2,4'-DDD                | 7.704  | 8.584  | 2904094 | 2521607 | 1.105 | 1.085      |
| 29) 2,4'-DDT                | 7.886  | 8.809  | 3010061 | 2602143 | 1.116 | 1.090      |





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:43  
 Operator : MJB  
 Sample : 0G17041-CALB  
 Misc : A20C353, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:23 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

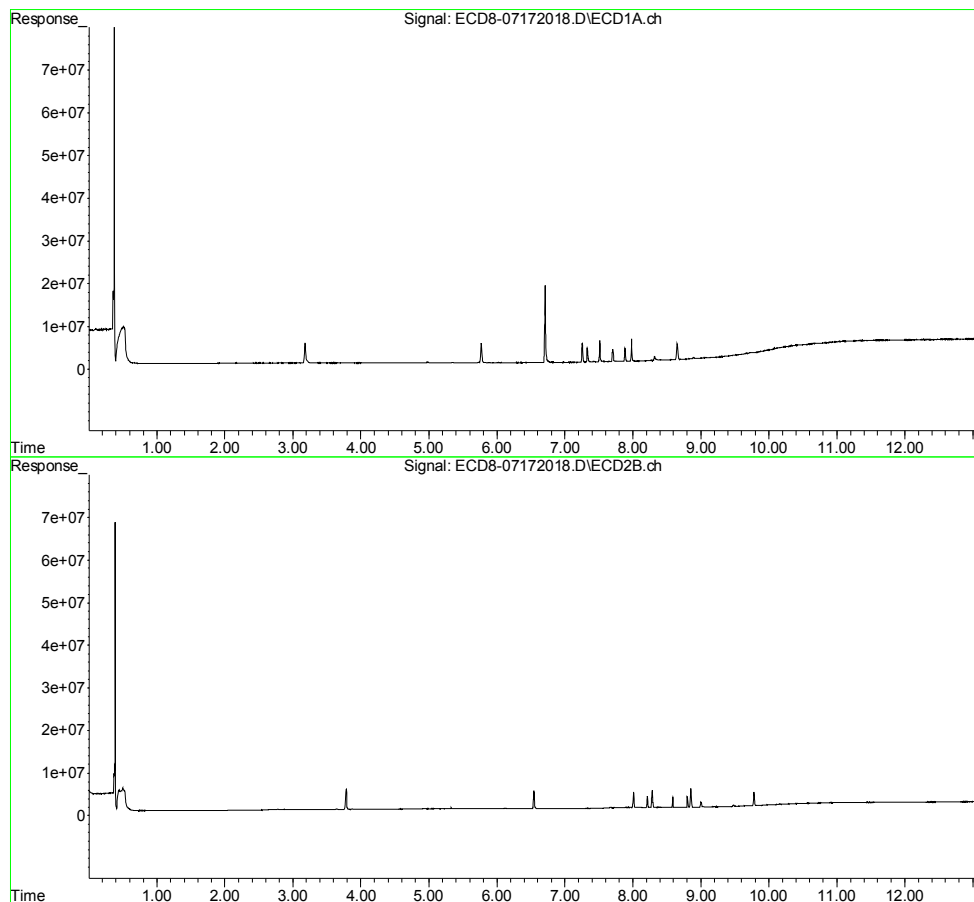
|     | Compound     | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/mL      | ng/mL |   |
|-----|--------------|--------|-------|---------|---------|------------|-------|---|
| 30) | cis-Nonac... | 7.980  | 8.850 | 5147187 | 4492264 | 1.084      | 1.099 |   |
| 31) | Mirex        | 8.648  | 9.780 | 3681219 | 3252585 | 1.121      | 1.131 | ✓ |
| 32) | Chlordane... | 7.425  | 8.211 | 189387  | 2813710 | 0.419      | 6.369 | # |
| 33) | Chlordane... | 7.511  | 8.329 | 4867111 | 220149  | 8.846      | 0.591 | # |
| 34) | Chlordane... | 8.062  | 8.997 | 13335   | 1216432 | 0.092      | 1.617 | # |
| 35) | Chlordane... | 0.000  | 0.000 | 0       | 0       | N.D.       | N.D.  |   |
| 36) | Toxaphene... | 7.511f | 8.552 | 4867111 | 7147    | 282.939    | 0.236 | # |
| 37) | Toxaphene... | 7.788  | 8.904 | 33045   | 19295   | 125254.432 | 0.491 | # |
| 38) | Toxaphene... | 8.123f | 8.930 | 19979   | 27661   | 0.265      | 0.437 | # |
| 39) | Toxaphene... | 8.317  | 8.997 | 937430  | 1216432 | 9.094      | 6.228 | # |
| 40) | Toxaphene... | 0.000  | 9.171 | 0       | 76540   | N.D.       | 1.348 | # |
| 41) | Toxaphene... | 8.648  | 9.574 | 3681219 | 118938  | 47.885     | 1.837 | # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172018.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:43  
Operator : MJB  
Sample : 0G17041-CALB  
Misc : A20C353, 9-42 1 ppb  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:23 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:59  
 Operator : MJB  
 Sample : 0G17041-CALC  
 Misc : A20C354, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:37 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL | ng/mL      |
|-----------------------------|--------|--------|---------|---------|-------|------------|
| -----                       |        |        |         |         |       |            |
| System Monitoring Compounds |        |        |         |         |       |            |
| 1) S TCMX (S)               | 5.363f | 6.068  | 164959  | 25771   | 0.044 | 0.007 #    |
| 22) S DCBP (S)              | 0.000  | 10.643 | 0       | 384736  | N.D.  | BelowCal   |
| Target Compounds            |        |        |         |         |       |            |
| 2) a-BHC                    | 5.944  | 6.689  | 54648   | 18266   | 0.011 | 0.045 #    |
| 3) g-BHC                    | 6.218  | 7.003  | 18765   | 18521   | 0.004 | 0.004 #    |
| 4) b-BHC                    | 6.298  | 7.060  | 25670   | 13361   | 0.013 | 0.007 #    |
| 5) Heptachlor               | 6.627  | 7.378  | 38825   | 34888   | 0.009 | BelowCal # |
| 6) d-BHC                    | 6.453  | 7.319  | 18584   | 31286   | 0.005 | 0.040 #    |
| 7) Aldrin                   | 6.885  | 7.665f | 10306   | 202610  | 0.002 | 0.046 #    |
| 8) Heptachlo...             | 7.331  | 8.080  | 5373567 | 22439   | 1.327 | 0.006 #    |
| 9) trans-Chl...             | 7.424  | 8.210  | 264247  | 4622970 | 0.064 | 1.248 #    |
| 10) cis-Chlor...            | 7.510  | 8.329  | 8145922 | 352717  | 1.986 | 0.099 #    |
| 11) Endosulfa...            | 7.644f | 8.387  | 70187   | 30752   | 0.019 | 0.009 #    |
| 12) 4,4'-DDE                | 0.000  | 8.433  | 0       | 26362   | N.D.  | 0.026 #    |
| 13) Dieldrin                | 7.790  | 8.583  | 49518   | 4134571 | 0.012 | 1.124 #    |
| 14) Endrin                  | 7.979f | 8.809  | 8564156 | 4124073 | 2.832 | 1.670 #    |
| 15) 4,4'-DDD                | 7.979f | 8.850  | 8564156 | 7162885 | 2.564 | 2.504      |
| 16) Endosulfa...            | 0.000  | 8.933f | 0       | 19760   | N.D.  | 0.007 #    |
| 17) 4,4'-DDT                | 0.000  | 9.070  | 0       | 77392   | N.D.  | 0.014 #    |
| 18) Endrin Al...            | 8.405  | 9.194  | 107840  | 87039   | 0.033 | 0.031      |
| 19) Endosulfa...            | 8.700  | 9.386  | 22442   | 67355   | 0.008 | BelowCal # |
| 20) Methoxychlor            | 0.000  | 0.000  | 0       | 0       | N.D.  | N.D.       |
| 21) Endrin Ke...            | 8.886  | 9.779  | 330546  | 5097573 | 0.143 | 2.992 #    |
| 23) Hexachlor...            | 3.182  | 3.776  | 7600210 | 8092131 | 1.962 | 1.963      |
| 24) Hexachlor...            | 5.771  | 6.544  | 7697940 | 6965613 | 1.941 | 1.887      |
| 25) Oxychlordan             | 7.255  | 8.010  | 7240444 | 6165205 | 1.935 | 1.907      |
| 26) 2,4'-DDE                | 7.331  | 8.210  | 5373567 | 4622970 | 1.923 | 1.891      |
| 27) trans-Non...            | 7.510  | 8.283  | 8145922 | 6801997 | 1.938 | 1.888      |
| 28) 2,4'-DDD                | 7.703  | 8.583  | 4748095 | 4134571 | 1.931 | 1.913      |
| 29) 2,4'-DDT                | 7.885  | 8.809  | 4798715 | 4124073 | 1.888 | 1.843      |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:59  
 Operator : MJB  
 Sample : 0G17041-CALC  
 Misc : A20C354, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:37 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

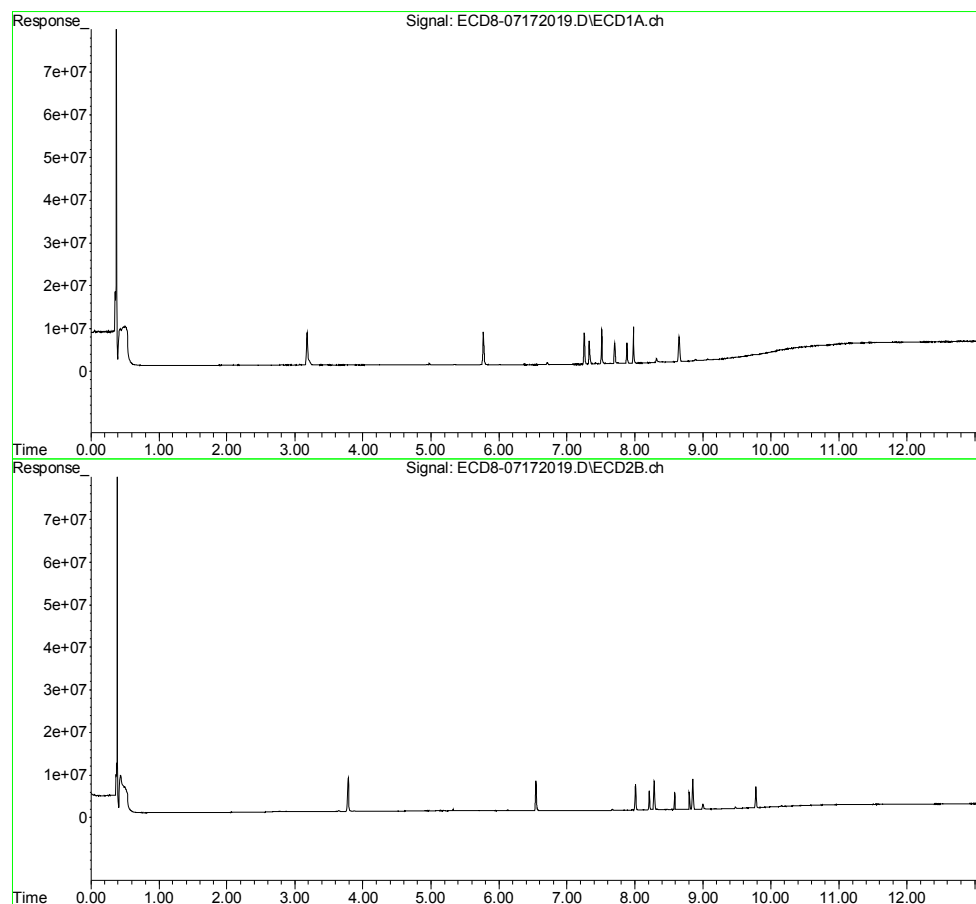
|     | Compound     | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/mL      | ng/mL  |   |
|-----|--------------|--------|-------|---------|---------|------------|--------|---|
| 30) | cis-Nonac... | 7.979  | 8.850 | 8564156 | 7162885 | 1.926      | 1.857  |   |
| 31) | Mirex        | 8.647  | 9.779 | 5794391 | 5097573 | 1.930      | 2.006  | ✓ |
| 32) | Chlordane... | 7.424  | 8.210 | 264247  | 4622970 | 0.584      | 10.464 | # |
| 33) | Chlordane... | 7.510  | 8.329 | 8145922 | 352717  | 14.805     | 0.948  | # |
| 34) | Chlordane... | 8.067  | 8.996 | 6328    | 1208184 | 0.044      | 1.539  | # |
| 35) | Chlordane... | 0.000  | 0.000 | 0       | 0       | N.D.       | N.D.   |   |
| 36) | Toxaphene... | 7.510f | 8.553 | 8145922 | 7280    | 473.546    | 0.241  | # |
| 37) | Toxaphene... | 7.774  | 8.903 | 51547   | 17566   | 125253.862 | 0.447  | # |
| 38) | Toxaphene... | 8.067f | 8.933 | 6328    | 19760   | 0.084      | 0.312  | # |
| 39) | Toxaphene... | 8.316  | 8.996 | 896006  | 1208184 | 8.472      | 6.138  | # |
| 40) | Toxaphene... | 0.000  | 9.173 | 0       | 93257   | N.D.       | 1.643  | # |
| 41) | Toxaphene... | 8.647  | 0.000 | 5794391 | 0       | 75.373     | 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:59  
Operator : MJB  
Sample : 0G17041-CALC  
Misc : A20C354, 9-42 2 ppb  
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:37 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:32  
 Operator : MJB  
 Sample : 0G17041-CALE  
 Misc : A20C356, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:54 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL      |
|-----------------------------|--------|--------|----------|----------|--------|------------|
| -----                       |        |        |          |          |        |            |
| System Monitoring Compounds |        |        |          |          |        |            |
| 1) S TCMX (S)               | 5.419f | 6.059f | 11338    | 32071    | 0.003  | 0.009 #    |
| 22) S DCBP (S)              | 0.000  | 10.663 | 0        | 377814   | N.D.   | BelowCal   |
| Target Compounds            |        |        |          |          |        |            |
| 2) a-BHC                    | 5.940  | 6.682  | 90987    | 69377    | 0.018  | 0.056 #    |
| 3) g-BHC                    | 6.215  | 7.009  | 39043    | 37056    | 0.009  | 0.009      |
| 4) b-BHC                    | 6.297  | 7.064  | 49710    | 36773    | 0.025  | 0.020      |
| 5) Heptachlor               | 6.625  | 7.377  | 115084   | 107735   | 0.027  | BelowCal # |
| 6) d-BHC                    | 6.450  | 7.322  | 36179    | 43563    | 0.009  | 0.044 #    |
| 7) Aldrin                   | 6.880  | 7.668f | 17378    | 78284    | 0.004  | 0.012 #    |
| 8) Heptachlo...             | 7.329  | 8.057f | 25047340 | 98533    | 6.185  | 0.027 #    |
| 9) trans-Chl...             | 7.421  | 8.209  | 546900   | 21378162 | 0.132  | 5.770 #    |
| 10) cis-Chlor...            | 7.509  | 8.328  | 37992011 | 1190972  | 9.264  | 0.336 #    |
| 11) Endosulfa...            | 7.643f | 8.389  | 444086   | 60520    | 0.118  | 0.018 #    |
| 12) 4,4'-DDE                | 0.000  | 8.446  | 0        | 26017    | N.D.   | 0.026 #    |
| 13) Dieldrin                | 7.749f | 8.582  | 1079991  | 18968821 | 0.255  | 5.158 #    |
| 14) Endrin                  | 7.979f | 8.808  | 40773567 | 19241110 | 13.485 | 7.836 #    |
| 15) 4,4'-DDD                | 7.979f | 8.848  | 40773567 | 33695186 | 12.208 | 11.571     |
| 16) Endosulfa...            | 8.134f | 8.919f | 22040    | 55391    | 0.007  | 0.019 #    |
| 17) 4,4'-DDT                | 8.198  | 9.073  | 24845    | 93853    | 0.008  | 0.021 #    |
| 18) Endrin Al...            | 8.405  | 9.194  | 123630   | 81278    | 0.038  | 0.029      |
| 19) Endosulfa...            | 0.000  | 9.394  | 0        | 67831    | N.D.   | BelowCal   |
| 20) Methoxychlor            | 0.000  | 9.563  | 0        | 129897   | N.D.   | 0.088 #    |
| 21) Endrin Ke...            | 8.885  | 9.777  | 333917   | 20625560 | 0.144  | 12.190 #   |
| 23) Hexachlor...            | 3.181  | 3.775  | 35332963 | 36721685 | 9.965  | 9.639      |
| 24) Hexachlor...            | 5.770  | 6.543  | 35566930 | 32135008 | 9.786  | 9.449      |
| 25) Oxychlorane             | 7.254  | 8.008  | 34117780 | 28358916 | 9.802  | 9.542      |
| 26) 2,4'-DDE                | 7.329  | 8.209  | 25047340 | 21378162 | 9.602  | 9.394      |
| 27) trans-Non...            | 7.509  | 8.282  | 37992011 | 31448820 | 9.891  | 9.559      |
| 28) 2,4'-DDD                | 7.702  | 8.582  | 21529553 | 18968821 | 9.435  | 9.444      |
| 29) 2,4'-DDT                | 7.884  | 8.808  | 21949604 | 19241110 | 9.265  | 9.231      |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:32  
 Operator : MJB  
 Sample : 0G17041-CALE  
 Misc : A20C356, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:44:54 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

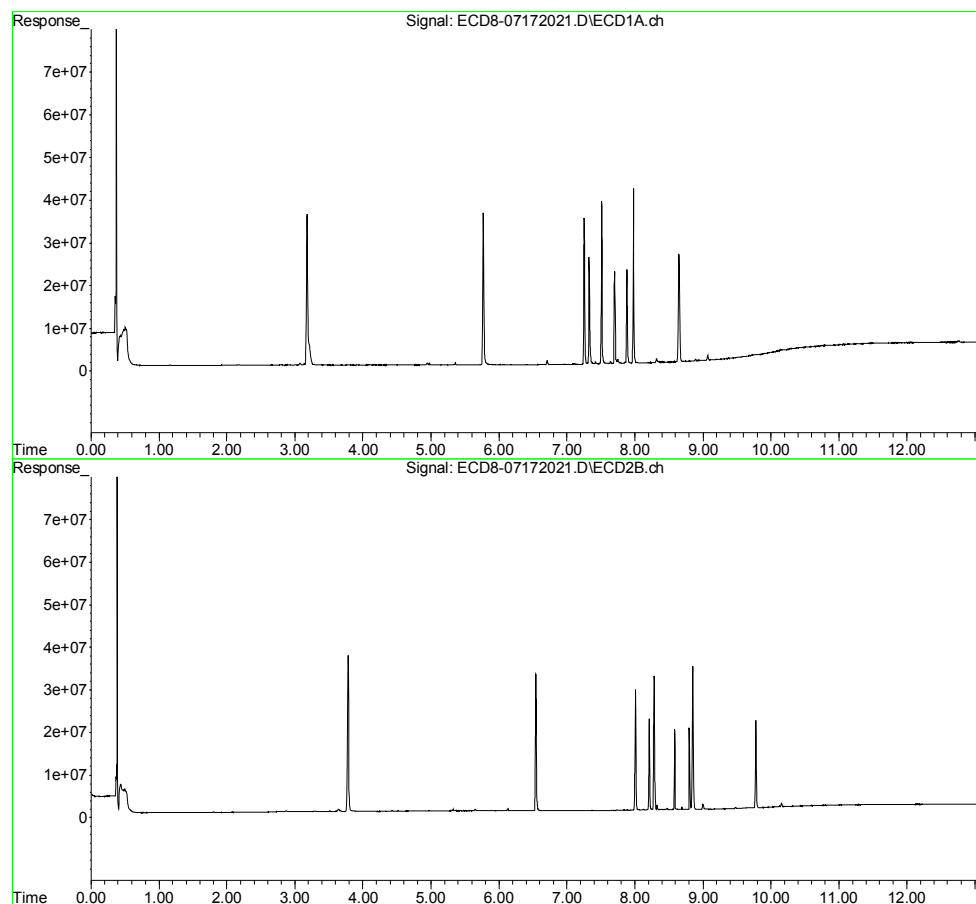
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL     |
|-----|--------------|--------|--------|----------|----------|----------|-----------|
| 30) | cis-Nonac... | 7.979  | 8.848  | 40773567 | 33695186 | 9.849    | 9.320     |
| 31) | Mirex        | 8.645  | 9.777  | 25109324 | 20625560 | 9.324    | 9.319     |
| 32) | Chlordane... | 7.421  | 8.209  | 546900   | 21378162 | 1.209    | 48.388 #  |
| 33) | Chlordane... | 7.509  | 8.328  | 37992011 | 1190972  | 69.051   | 3.200 #   |
| 34) | Chlordane... | 0.000  | 8.996  | 0        | 1143991  | N.D.     | 0.933 #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.      |
| 36) | Toxaphene... | 7.509f | 8.582f | 37992011 | 18968821 | 2208.586 | 627.336 # |
| 37) | Toxaphene... | 7.749f | 8.919f | 1079991  | 55391    | 30.145   | 1.410 #   |
| 38) | Toxaphene... | 0.000  | 8.919  | 0        | 55391    | N.D.     | 0.876 #   |
| 39) | Toxaphene... | 8.317  | 8.996  | 897526   | 1143991  | 8.495    | 5.432 #   |
| 40) | Toxaphene... | 0.000  | 9.170  | 0        | 101105   | N.D.     | 1.781 #   |
| 41) | Toxaphene... | 8.645  | 9.563  | 25109324 | 129897   | 326.618  | 2.006 #   |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172021.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 22:32  
Operator : MJB  
Sample : 0G17041-CALE  
Misc : A20C356, 9-42 10 ppb  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:44:54 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:49  
 Operator : MJB  
 Sample : 0G17041-CALF  
 Misc : A20C357, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| -----                       |        |        |          |          |          |            |
| System Monitoring Compounds |        |        |          |          |          |            |
| 1) S TCMX (S)               | 5.362f | 6.052f | 1334141  | 122887   | 0.357    | 0.035 #    |
| 22) S DCBP (S)              | 9.623f | 10.667 | 358895   | 478496   | BelowCal | BelowCal   |
| Target Compounds            |        |        |          |          |          |            |
| 2) a-BHC                    | 5.931  | 6.685  | 207383   | 183201   | 0.042    | 0.082 #    |
| 3) g-BHC                    | 6.214  | 7.007  | 107615   | 118955   | 0.024    | 0.030      |
| 4) b-BHC                    | 6.293  | 7.068  | 101185   | 108037   | 0.051    | 0.057      |
| 5) Heptachlor               | 6.622  | 7.374  | 285413   | 295669   | 0.067    | 0.044 #    |
| 6) d-BHC                    | 6.443  | 7.320  | 91162    | 108242   | 0.022    | 0.061 #    |
| 7) Aldrin                   | 6.860  | 7.642  | 34826    | 33100    | 0.008    | BelowCal # |
| 8) Heptachlo...             | 7.328  | 8.056f | 65289340 | 210100   | 16.123   | 0.057 #    |
| 9) trans-Chl...             | 7.419  | 8.208  | 1307928  | 57066516 | 0.316    | 15.401 #   |
| 10) cis-Chlor...            | 7.507  | 8.327  | 93419999 | 2321944  | 22.779   | 0.654 #    |
| 11) Endosulfa...            | 7.596  | 8.388  | 174806   | 149001   | 0.046    | 0.045      |
| 12) 4,4'-DDE                | 7.596  | 8.400f | 174806   | 151417   | 0.043    | 0.063 #    |
| 13) Dieldrin                | 7.772  | 8.581  | 574419   | 50483218 | 0.136    | 13.727 #   |
| 14) Endrin                  | 7.940  | 8.807  | 163654   | 52666887 | 0.054    | 21.034 #   |
| 15) 4,4'-DDD                | 7.978f | 8.848  | 100.5E6  | 90269361 | 30.105   | 30.055     |
| 16) Endosulfa...            | 8.126  | 8.961  | 52753    | 44773    | 0.016    | 0.015      |
| 17) 4,4'-DDT                | 8.195  | 9.071  | 78124    | 127443   | 0.025    | 0.034 #    |
| 18) Endrin Al...            | 8.401  | 9.193  | 134022   | 79135    | 0.041    | 0.028 #    |
| 19) Endosulfa...            | 0.000  | 9.388  | 0        | 63061    | N.D.     | BelowCal   |
| 20) Methoxychlor            | 8.541  | 9.558  | 39736    | 157489   | 0.026    | 0.106 #    |
| 21) Endrin Ke...            | 8.880  | 9.778  | 380997   | 52976993 | 0.165    | 30.299 #   |
| 23) Hexachlor...            | 3.180  | 3.774  | 86399539 | 96249551 | 24.694   | 25.229     |
| 24) Hexachlor...            | 5.769  | 6.543  | 88215529 | 86514647 | 24.531   | 25.341     |
| 25) Oxychlordan             | 7.251  | 8.007  | 84788230 | 75349040 | 24.637   | 25.298     |
| 26) 2,4'-DDE                | 7.328  | 8.208  | 65289340 | 57066516 | 25.209   | 24.894     |
| 27) trans-Non...            | 7.507  | 8.281  | 93419999 | 82371686 | 24.645   | 24.970     |
| 28) 2,4'-DDD                | 7.700  | 8.581  | 55721395 | 50483218 | 24.664   | 24.966     |
| 29) 2,4'-DDT                | 7.883  | 8.807  | 59390486 | 52666887 | 25.240   | 25.048     |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:49  
 Operator : MJB  
 Sample : 0G17041-CALF  
 Misc : A20C357, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

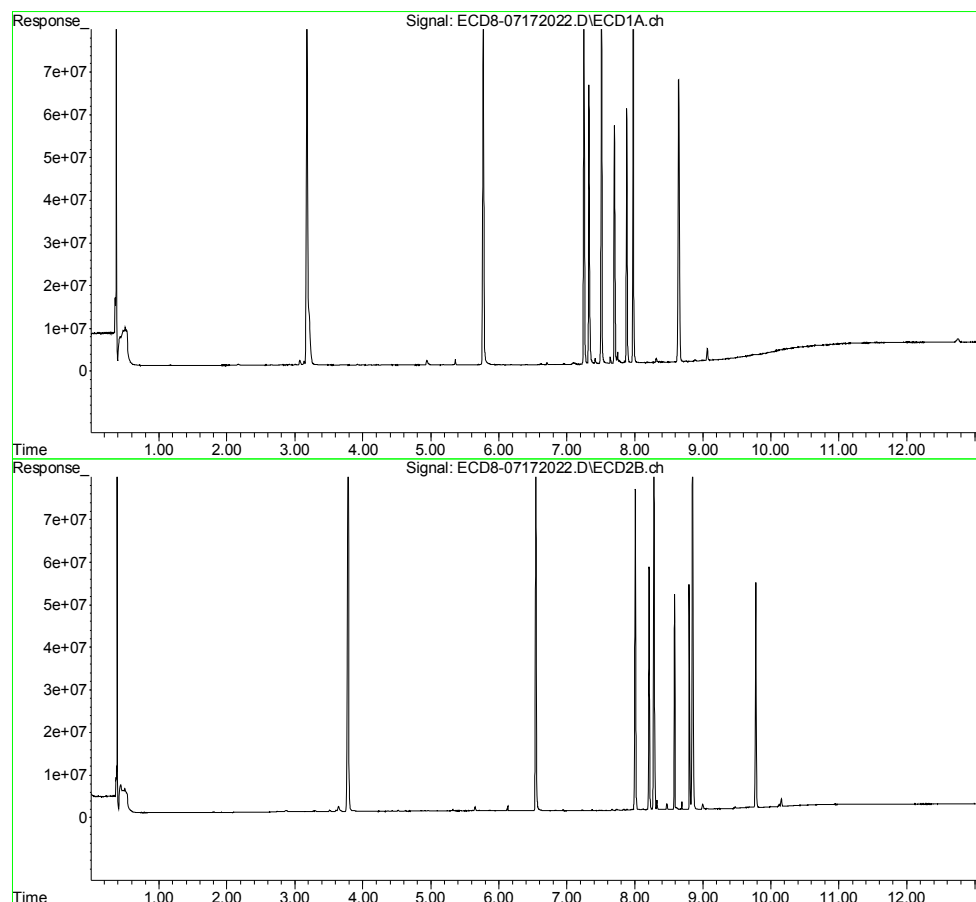
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |     |
|-----|--------------|--------|--------|----------|----------|----------|----------|-----|
| 30) | cis-Nonac... | 7.978  | 8.848  | 100.5E6  | 90269361 | 24.503   | 24.819   | ] ✓ |
| 31) | Mirex        | 8.643  | 9.778  | 66062632 | 52976993 | 25.025   | 24.268   |     |
| 32) | Chlordane... | 7.419  | 8.208  | 1307928  | 57066516 | 2.891    | 129.166  | #   |
| 33) | Chlordane... | 7.507  | 8.327  | 93419999 | 2321944  | 169.792  | 6.238    | #   |
| 34) | Chlordane... | 0.000  | 8.994  | 0        | 1193284  | N.D.     | 1.399    | #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.     |     |
| 36) | Toxaphene... | 7.507  | 8.581f | 93419999 | 50483218 | 5430.777 | 1669.579 | #   |
| 37) | Toxaphene... | 7.772  | 8.919f | 574419   | 97981    | 14.573   | 2.493    | #   |
| 38) | Toxaphene... | 8.126f | 8.919  | 52753    | 97981    | 0.700    | 1.549    | #   |
| 39) | Toxaphene... | 8.313  | 8.994  | 954328   | 1193284  | 9.348    | 5.974    | #   |
| 40) | Toxaphene... | 8.577  | 9.166  | 26015    | 70729    | 0.466    | 1.246    | #   |
| 41) | Toxaphene... | 8.643  | 9.558  | 66062632 | 157489   | 859.333  | 2.432    | #   |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 22:49  
Operator : MJB  
Sample : 0G17041-CALF  
Misc : A20C357, 9-42 25 ppb  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:45:09 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:05  
 Operator : MJB  
 Sample : 0G17041-CALG  
 Misc : A20C358, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL      |
|-----------------------------|--------|--------|---------|---------|--------|------------|
| -----                       |        |        |         |         |        |            |
| System Monitoring Compounds |        |        |         |         |        |            |
| 1) S TCMX (S)               | 5.362f | 6.070  | 2547627 | 89512   | 0.683  | 0.025 #    |
| 22) S DCBP (S)              | 0.000  | 10.671 | 0       | 401381  | N.D.   | BelowCal   |
| Target Compounds            |        |        |         |         |        |            |
| 2) a-BHC                    | 5.923  | 6.688  | 257191  | 251413  | 0.052  | 0.098 #    |
| 3) g-BHC                    | 6.208  | 7.007  | 145930  | 152296  | 0.033  | 0.038      |
| 4) b-BHC                    | 6.280  | 7.093f | 155435  | 129857  | 0.078  | 0.069      |
| 5) Heptachlor               | 6.618  | 7.373  | 576634  | 603644  | 0.136  | 0.125      |
| 6) d-BHC                    | 6.440  | 7.320  | 126559  | 187195  | 0.031  | 0.082 #    |
| 7) Aldrin                   | 6.876  | 7.628  | 114122  | 126592  | 0.026  | 0.025      |
| 8) Heptachlo...             | 7.325  | 8.056f | 136.0E6 | 442908  | 33.588 | 0.121 #    |
| 9) trans-Chl...             | 7.416  | 8.208  | 2649183 | 128.0E6 | 0.640  | 34.543 #   |
| 10) cis-Chlor...            | 7.505  | 8.326  | 199.5E6 | 4070339 | 48.653 | 1.147 #    |
| 11) Endosulfa...            | 7.595f | 8.399  | 385514  | 363163  | 0.102  | 0.110      |
| 12) 4,4'-DDE                | 7.595  | 8.399f | 385514  | 363163  | 0.094  | 0.124 #    |
| 13) Dieldrin                | 7.770  | 8.581  | 1150644 | 110.3E6 | 0.272  | 29.999 #   |
| 14) Endrin                  | 7.975f | 8.806  | 217.3E6 | 124.0E6 | 71.868 | 47.460 #   |
| 15) 4,4'-DDD                | 7.975f | 8.847  | 217.3E6 | 205.3E6 | 65.062 | 64.692     |
| 16) Endosulfa...            | 8.127  | 8.955  | 188669  | 128966  | 0.058  | 0.044      |
| 17) 4,4'-DDT                | 8.194  | 9.069  | 231832  | 235194  | 0.075  | 0.076      |
| 18) Endrin Al...            | 8.407  | 9.194  | 178624  | 153128  | 0.054  | 0.054      |
| 19) Endosulfa...            | 8.741f | 9.382  | 291914  | 98200   | 0.101  | BelowCal # |
| 20) Methoxychlor            | 8.537  | 9.555  | 90471   | 218339  | 0.060  | 0.147 #    |
| 21) Endrin Ke...            | 8.875f | 9.776  | 406268  | 118.4E6 | 0.176  | 63.484 #   |
| 23) Hexachlor...            | 3.181  | 3.775  | 183.5E6 | 211.0E6 | 52.679 | 54.000     |
| 24) Hexachlor...            | 5.768  | 6.543  | 188.0E6 | 188.3E6 | 52.224 | 53.635     |
| 25) Oxychlordan             | 7.248  | 8.006  | 180.6E6 | 162.3E6 | 52.710 | 53.154     |
| 26) 2,4'-DDE                | 7.325  | 8.208  | 136.0E6 | 128.0E6 | 52.323 | 54.004     |
| 27) trans-Non...            | 7.505  | 8.280  | 199.5E6 | 181.3E6 | 52.831 | 53.407     |
| 28) 2,4'-DDD                | 7.697  | 8.581  | 121.4E6 | 110.3E6 | 53.675 | 52.880     |
| 29) 2,4'-DDT                | 7.880  | 8.806  | 130.0E6 | 124.0E6 | 54.907 | 56.731     |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:05  
 Operator : MJB  
 Sample : 0G17041-CALG  
 Misc : A20C358, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:20 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

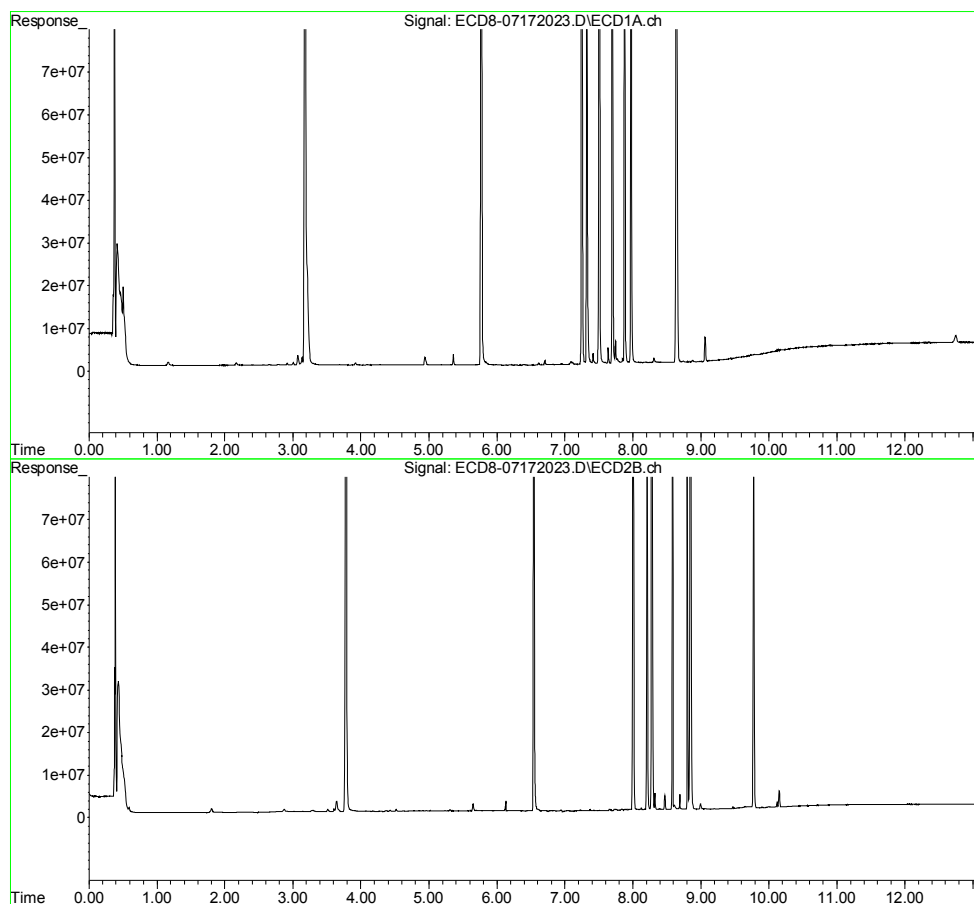
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL    |   |
|-----|--------------|--------|--------|---------|---------|-----------|----------|---|
| 30) | cis-Nonac... | 7.975  | 8.847  | 217.3E6 | 205.3E6 | 52.937    | 54.786   |   |
| 31) | Mirex        | 8.641  | 9.776  | 140.0E6 | 118.4E6 | 53.470    | 53.415   | ✓ |
| 32) | Chlordane... | 7.416  | 8.208  | 2649183 | 128.0E6 | 5.856     | 289.709  | # |
| 33) | Chlordane... | 7.505  | 8.326  | 199.5E6 | 4070339 | 362.645   | 10.935   | # |
| 34) | Chlordane... | 0.000  | 8.991  | 0       | 1296722 | N.D.      | 2.375    | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.     |   |
| 36) | Toxaphene... | 7.505  | 8.581f | 199.5E6 | 110.3E6 | 11599.123 | 3648.807 | # |
| 37) | Toxaphene... | 7.770  | 8.916  | 1150644 | 202975  | 32.321    | 5.165    | # |
| 38) | Toxaphene... | 8.127f | 8.916  | 188669  | 202975  | 2.504     | 3.210    | # |
| 39) | Toxaphene... | 8.306f | 8.991  | 1111461 | 1296722 | 11.707    | 7.110    | # |
| 40) | Toxaphene... | 8.554  | 9.194  | 54757   | 153128  | 0.980     | 2.697    | # |
| 41) | Toxaphene... | 8.641  | 9.555  | 140.0E6 | 218339  | 1821.559  | 3.372    | # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:05  
Operator : MJB  
Sample : 0G17041-CALG  
Misc : A20C358, 9-42 50 ppb  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:45:20 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:22  
 Operator : MJB  
 Sample : 0G17041-CALH  
 Misc : A20C359, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:31 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 5.415f | 6.052f | 21503   | 54988   | 0.006    | 0.016 #    |
| 22) S DCBP (S)              | 9.600  | 10.651 | 237599  | 319092  | BelowCal | BelowCal   |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.927  | 0.000  | 289020  | 0       | 0.059    | N.D. #     |
| 3) g-BHC                    | 6.186f | 7.003  | 904531  | 35303   | 0.204    | 0.008 #    |
| 4) b-BHC                    | 6.289  | 7.070  | 56123   | 41073   | 0.028    | 0.022      |
| 5) Heptachlor               | 6.623  | 7.375  | 824211  | 804815  | 0.195    | 0.177      |
| 6) d-BHC                    | 6.443  | 7.341  | 58179   | 205878  | 0.014    | 0.087 #    |
| 7) Aldrin                   | 6.857  | 7.663  | 40353   | 290405  | 0.009    | 0.070 #    |
| 8) Heptachlo...             | 7.326  | 8.056f | 252.6E6 | 700132  | 62.378   | 0.191 #    |
| 9) trans-Chl...             | 7.417  | 8.208  | 4406218 | 249.1E6 | 1.065    | 67.216 #   |
| 10) cis-Chlor...            | 7.505  | 8.325  | 356.0E6 | 7670165 | 86.801   | 2.162 #    |
| 11) Endosulfa...            | 7.595f | 8.387  | 774690  | 607647  | 0.205    | 0.183      |
| 12) 4,4'-DDE                | 7.579  | 8.400f | 606606  | 569991  | 0.148    | 0.185      |
| 13) Dieldrin                | 7.769  | 8.581  | 1959886 | 218.1E6 | 0.463    | 59.313 #   |
| 14) Endrin                  | 7.975f | 8.806  | 390.0E6 | 217.7E6 | 128.990  | 79.340 #   |
| 15) 4,4'-DDD                | 7.975f | 8.847  | 390.0E6 | 388.4E6 | 116.774  | 113.790    |
| 16) Endosulfa...            | 8.126  | 8.993f | 213612  | 1148013 | 0.066    | 0.391 #    |
| 17) 4,4'-DDT                | 8.194  | 9.070  | 260046  | 267893  | 0.084    | 0.088      |
| 18) Endrin Al...            | 8.405  | 9.195  | 320353  | 140183  | 0.097    | 0.049 #    |
| 19) Endosulfa...            | 8.742f | 9.380  | 481486  | 89903   | 0.166    | BelowCal # |
| 20) Methoxychlor            | 8.543  | 9.522f | 30020   | 300433  | 0.020    | 0.203 #    |
| 21) Endrin Ke...            | 8.882  | 9.776  | 567888  | 214.9E6 | 0.246    | 106.445 #  |
| 23) Hexachlor...            | 3.182  | 3.776  | 299.3E6 | 352.3E6 | 85.985   | 87.439     |
| 24) Hexachlor...            | 5.769  | 6.543  | 346.8E6 | 354.3E6 | 95.599   | 96.415     |
| 25) Oxychlordan             | 7.250  | 8.007  | 321.9E6 | 301.9E6 | 94.105   | 94.846     |
| 26) 2,4'-DDE                | 7.326  | 8.208  | 252.6E6 | 249.1E6 | 96.180   | 99.498     |
| 27) trans-Non...            | 7.505  | 8.281  | 356.0E6 | 346.6E6 | 94.250   | 97.326     |
| 28) 2,4'-DDD                | 7.698  | 8.581  | 218.7E6 | 218.1E6 | 96.172   | 98.997     |
| 29) 2,4'-DDT                | 7.880  | 8.806  | 224.7E6 | 217.7E6 | 93.737   | 94.967     |

✓

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:22  
 Operator : MJB  
 Sample : 0G17041-CALH  
 Misc : A20C359, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:31 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL   |   |
|-----|--------------|--------|--------|---------|---------|-----------|---------|---|
| 30) | cis-Nonac... | 7.975  | 8.847  | 390.0E6 | 388.4E6 | 94.562    | 98.974  |   |
| 31) | Mirex        | 8.642  | 9.776  | 247.1E6 | 214.9E6 | 94.815    | 94.091  | ✓ |
| 32) | Chlordane... | 7.417  | 8.208  | 4406218 | 249.1E6 | 9.740     | 563.732 | # |
| 33) | Chlordane... | 7.505  | 8.325  | 356.0E6 | 7670165 | 646.995   | 20.606  | # |
| 34) | Chlordane... | 0.000  | 8.993  | 0       | 1148013 | N.D.      | 0.971   | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.    |   |
| 36) | Toxaphene... | 7.505  | 8.540  | 356.0E6 | 26893   | 20693.995 | 0.889   | # |
| 37) | Toxaphene... | 7.769  | 8.915  | 1959886 | 376219  | 57.254    | 9.574   | # |
| 38) | Toxaphene... | 8.126f | 8.915  | 213612  | 376219  | 2.835     | 5.949   | # |
| 39) | Toxaphene... | 8.314  | 8.993  | 885790  | 1148013 | 8.319     | 5.476   | # |
| 40) | Toxaphene... | 8.550  | 9.169  | 31988   | 55708   | 0.573     | 0.981   | # |
| 41) | Toxaphene... | 8.642  | 9.522f | 247.1E6 | 300433  | 3213.593  | 4.640   | # |
| 42) | Toxaphene... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.    |   |

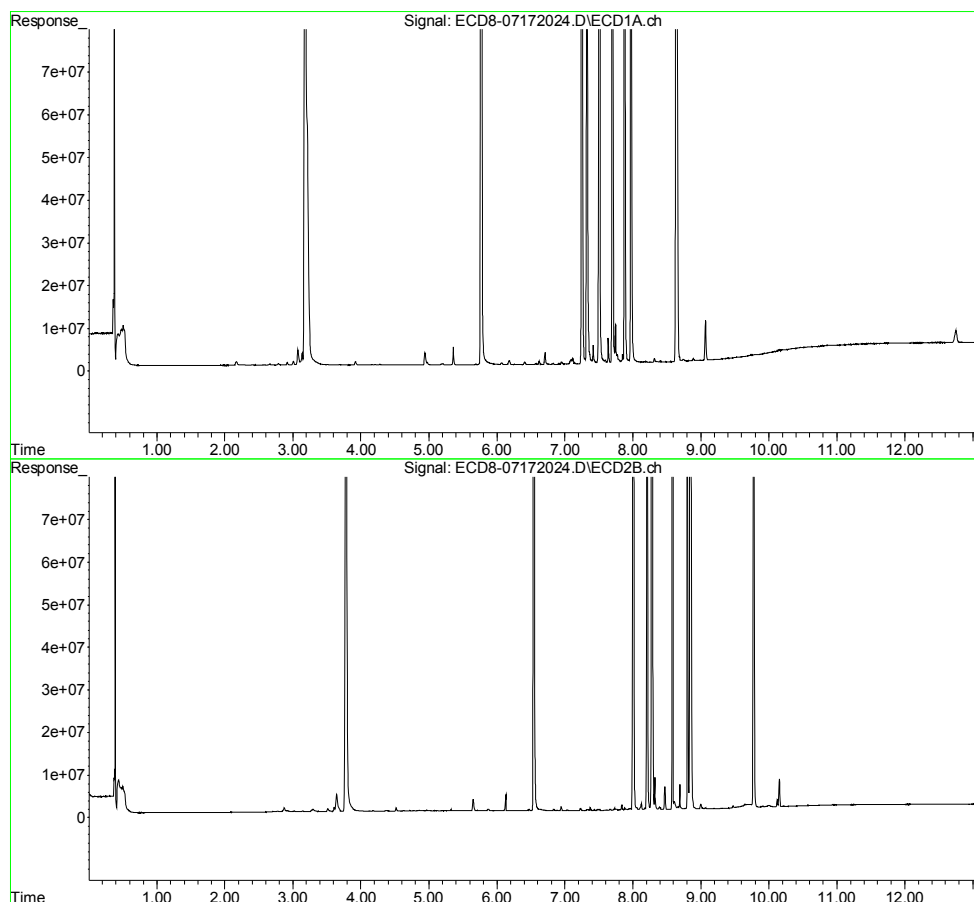
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:22  
Operator : MJB  
Sample : 0G17041-CALH  
Misc : A20C359, 9-42 100 ppb  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:45:31 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:38  
 Operator : MJB  
 Sample : 0G17041-CALI  
 Misc : A20C352, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:42 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1   | Resp#2   | ng/mL    | ng/mL     |
|-----------------------------|--------|---------|----------|----------|----------|-----------|
| -----                       |        |         |          |          |          |           |
| System Monitoring Compounds |        |         |          |          |          |           |
| 1) S TCMX (S)               | 5.362f | 6.066   | 8991382  | 79122    | 2.409    | 0.023 #   |
| 22) S DCBP (S)              | 9.590  | 10.628f | 232676   | 336125   | BelowCal | BelowCal  |
| Target Compounds            |        |         |          |          |          |           |
| 2) a-BHC                    | 0.000  | 6.654f  | 0        | 394099   | N.D.     | 0.130 #   |
| 3) g-BHC                    | 6.184f | 7.003   | 1498141  | 64975    | 0.339    | 0.016 #   |
| 4) b-BHC                    | 6.298  | 7.071   | 105098   | 90607    | 0.053    | 0.048     |
| 5) Heptachlor               | 6.622  | 7.374   | 1585788  | 1462879  | 0.375    | 0.350     |
| 6) d-BHC                    | 6.445  | 7.319   | 120206   | 228050   | 0.029    | 0.092 #   |
| 7) Aldrin                   | 6.868  | 7.628   | 20689    | 61751    | 0.005    | 0.008 #   |
| 8) Heptachlo...             | 7.326  | 8.055f  | 544.0E6  | 1307093  | 134.341  | 0.357 #   |
| 9) trans-Chl...             | 7.416  | 8.208   | 8908332  | 553.7E6  | 2.153    | 149.435 # |
| 10) cis-Chlor...            | 7.504  | 8.325   | 771.1E6  | 12872452 | 188.031  | 3.628 #   |
| 11) Endosulfa...            | 7.638f | 8.388   | 16271988 | 951350   | 4.313    | 0.287 #   |
| 12) 4,4'-DDE                | 7.593  | 8.468f  | 1105884  | 13973937 | 0.271    | 4.062 #   |
| 13) Dieldrin                | 7.768  | 8.581   | 3771753  | 490.5E6  | 0.892    | 133.362 # |
| 14) Endrin                  | 7.975f | 8.806   | 850.4E6  | 517.9E6  | 281.263  | 166.600 # |
| 15) 4,4'-DDD                | 7.975f | 8.847   | 850.4E6  | 856.7E6  | 254.627  | 218.282   |
| 16) Endosulfa...            | 8.126  | 8.993f  | 454243   | 1244954  | 0.140    | 0.424 #   |
| 17) 4,4'-DDT                | 8.195  | 9.070   | 593960   | 631223   | 0.192    | 0.230     |
| 18) Endrin Al...            | 8.405  | 9.195   | 384350   | 355156   | 0.117    | 0.125     |
| 19) Endosulfa...            | 8.742f | 9.415f  | 1008202  | 272183   | 0.348    | 0.067 #   |
| 20) Methoxychlor            | 8.543  | 9.523f  | 23601    | 595253   | 0.016    | 0.401 #   |
| 21) Endrin Ke...            | 8.882  | 9.776   | 618452   | 503.9E6  | 0.268    | 210.573 # |
| 23) Hexachlor...            | 3.180  | 3.775   | 737.3E6  | 929.9E6  | 211.571  | 207.495   |
| 24) Hexachlor...            | 5.769  | 6.543   | 751.7E6  | 818.7E6  | 202.746  | 200.398   |
| 25) Oxychlordan             | 7.250  | 8.007   | 695.4E6  | 712.2E6  | 203.746  | 202.022   |
| 26) 2,4'-DDE                | 7.326  | 8.208   | 544.0E6  | 553.7E6  | 201.651  | 197.959   |
| 27) trans-Non...            | 7.504  | 8.280   | 771.1E6  | 792.9E6  | 203.367  | 200.006   |
| 28) 2,4'-DDD                | 7.698  | 8.581   | 465.0E6  | 490.5E6  | 201.035  | 199.100   |
| 29) 2,4'-DDT                | 7.880  | 8.806   | 501.2E6  | 517.9E6  | 201.853  | 199.681   |



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:38  
 Operator : MJB  
 Sample : 0G17041-CALI  
 Misc : A20C352, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:45:42 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

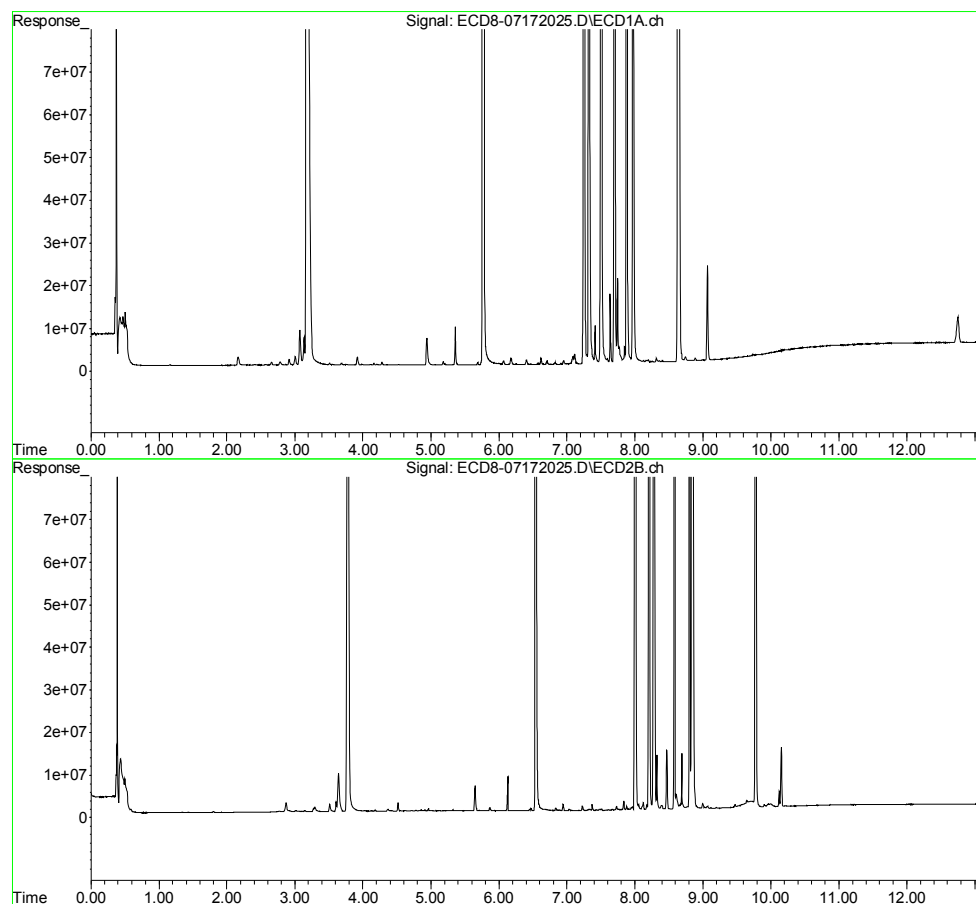
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2   | ng/mL     | ng/mL     |   |
|-----|--------------|--------|--------|---------|----------|-----------|-----------|---|
| 30) | cis-Nonac... | 7.975  | 8.847  | 850.4E6 | 856.7E6  | 203.085   | 197.846   |   |
| 31) | Mirex        | 8.641  | 9.776  | 522.6E6 | 503.9E6  | 202.359   | 203.357   | ✓ |
| 32) | Chlordane... | 7.416  | 8.208  | 8908332 | 553.7E6  | 19.692    | 1253.284  | # |
| 33) | Chlordane... | 7.504  | 8.325  | 771.1E6 | 12872452 | 1401.535  | 34.582    | # |
| 34) | Chlordane... | 0.000  | 8.993  | 0       | 1244954  | N.D.      | 1.886     | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0        | N.D.      | N.D.      |   |
| 36) | Toxaphene... | 7.504  | 8.581f | 771.1E6 | 490.5E6  | 44827.820 | 16221.010 | # |
| 37) | Toxaphene... | 7.768  | 8.914  | 3771753 | 707104   | 113.114   | 17.994    | # |
| 38) | Toxaphene... | 8.126f | 8.914f | 454243  | 707104   | 6.029     | 11.182    | # |
| 39) | Toxaphene... | 8.314  | 8.993  | 879916  | 1244954  | 8.231     | 6.541     |   |
| 40) | Toxaphene... | 8.570  | 9.195  | 20793   | 355156   | 0.372     | 6.255     | # |
| 41) | Toxaphene... | 8.641  | 9.523f | 522.6E6 | 595253   | 6797.867  | 9.193     | # |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172025.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:38  
Operator : MJB  
Sample : 0G17041-CALI  
Misc : A20C352, 9-42 200 ppb  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:45:42 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:28  
 Operator : MJB  
 Sample : 0G17041-CALJ  
 Misc : A20G271, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:46:44 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|---------|---------|------------|------------|
| -----                       |        |        |         |         |            |            |
| System Monitoring Compounds |        |        |         |         |            |            |
| 1) S TCMX (S)               | 5.386  | 6.082  | 38919   | 20279   | 0.010      | 0.006 #    |
| 22) S DCBP (S)              | 9.590  | 10.654 | 267824  | 409559  | BelowCal   | BelowCal   |
| Target Compounds            |        |        |         |         |            |            |
| 2) a-BHC                    | 5.938  | 6.683  | 43815   | 19483   | 0.009      | 0.045 #    |
| 3) g-BHC                    | 6.240f | 7.009  | 21404   | 44568   | 0.005      | 0.010 #    |
| 4) b-BHC                    | 6.317f | 7.037f | 66198   | 6927    | 0.033      | 0.004 #    |
| 5) Heptachlor               | 6.623  | 7.373  | 2224926 | 2108384 | 0.526      | 0.519      |
| 6) d-BHC                    | 6.464  | 7.311  | 98429   | 33773   | 0.024      | 0.041 #    |
| 7) Aldrin                   | 6.864  | 7.673f | 31229   | 370236  | 0.007      | 0.092 #    |
| 8) Heptachlo...             | 7.329  | 8.096  | 429283  | 136096  | 0.106      | 0.037 #    |
| 9) trans-Chl...             | 7.418  | 8.216  | 5115943 | 4529535 | 1.236      | 1.222      |
| 10) cis-Chlor...            | 7.511  | 8.323  | 6021217 | 4030003 | 1.468      | 1.136      |
| 11) Endosulfa...            | 7.630  | 8.379  | 147829  | 44088   | 0.039      | 0.013 #    |
| 12) 4,4'-DDE                | 7.570  | 8.420  | 179343  | 112471  | 0.044      | 0.051      |
| 13) Dieldrin                | 7.796  | 8.575  | 189142  | 324757  | 0.045      | 0.088 #    |
| 14) Endrin                  | 7.976f | 8.804  | 1026891 | 163162  | 0.340      | 0.033 #    |
| 15) 4,4'-DDD                | 7.976f | 8.846  | 1026891 | 937218  | 0.307      | 0.335      |
| 16) Endosulfa...            | 8.111  | 8.959  | 94214   | 136257  | 0.029      | 0.046 #    |
| 17) 4,4'-DDT                | 8.196  | 9.073  | 73938   | 165497  | 0.024      | 0.049 #    |
| 18) Endrin Al...            | 8.400  | 9.191  | 110595  | 124870  | 0.034      | 0.044 #    |
| 19) Endosulfa...            | 8.700  | 9.381  | 102869  | 92550   | 0.036      | BelowCal # |
| 20) Methoxychlor            | 8.542  | 9.552  | 53762   | 116136  | 0.035      | 0.078 #    |
| 21) Endrin Ke...            | 8.880  | 9.784  | 387632  | 241569  | 0.168      | 0.039 #    |
| 23) Hexachlor...            | 0.000  | 3.797f | 0       | 107825  | N.D.       | BelowCal   |
| 24) Hexachlor...            | 5.740f | 6.541  | 225209  | 22242   | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.244  | 8.020  | 32909   | 75522   | 104477.342 | BelowCal # |
| 26) 2,4'-DDE                | 7.329  | 8.216  | 429283  | 4529535 | BelowCal   | 1.849      |
| 27) trans-Non...            | 7.511  | 8.279  | 6021217 | 3635498 | 1.371      | 0.892 #    |
| 28) 2,4'-DDD                | 7.685  | 8.575  | 203483  | 324757  | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.906f | 8.804  | 115098  | 163162  | BelowCal   | BelowCal   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:20 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:28  
 Operator : MJB  
 Sample : 0G17041-CALJ  
 Misc : A20G271, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:46:44 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

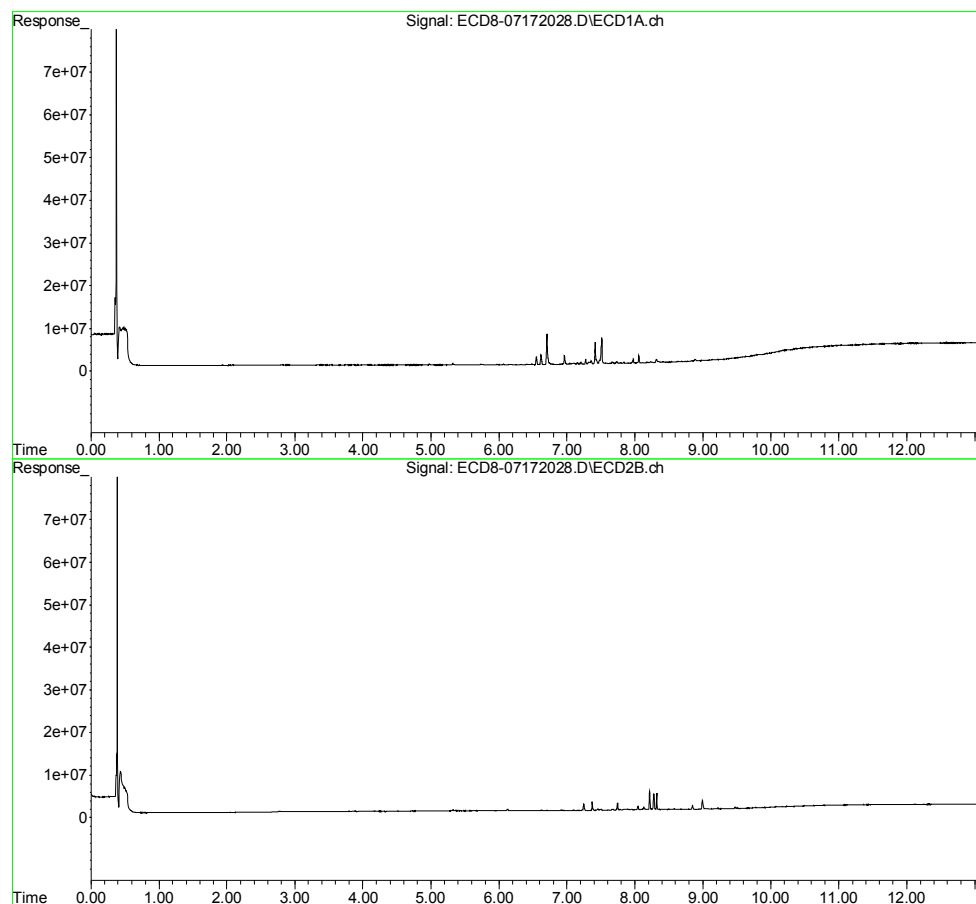
|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL     | ng/mL      |
|-----|--------------|--------|--------|---------|---------|-----------|------------|
| 30) | cis-Nonac... | 7.976  | 8.846  | 1026891 | 937218  | 0.069     | 0.087 #    |
| 31) | Mirex        | 8.638  | 9.784  | 147942  | 241569  | 14904.397 | BelowCal # |
| 32) | Chlordane... | 7.418  | 8.216  | 5115943 | 4529535 | 11.309    | 10.252     |
| 33) | Chlordane... | 7.511  | 8.323  | 6021217 | 4030003 | 10.944    | 10.827     |
| 34) | Chlordane... | 8.058  | 8.990  | 1709262 | 2118453 | 11.785    | 10.126     |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.      | N.D.       |
| 36) | Toxaphene... | 7.511f | 8.575f | 6021217 | 324757  | 350.031   | 10.740 #   |
| 37) | Toxaphene... | 7.796  | 8.901  | 189142  | 137687  | 2.710     | 3.504 #    |
| 38) | Toxaphene... | 8.111  | 8.938  | 94214   | 142000  | 1.250     | 2.246 #    |
| 39) | Toxaphene... | 8.314  | 8.990  | 801495  | 2118453 | 7.053     | 16.126 #   |
| 40) | Toxaphene... | 8.542  | 9.167  | 53762   | 141484  | 0.963     | 2.492 #    |
| 41) | Toxaphene... | 8.638  | 9.552  | 147942  | 116136  | 1.924     | 1.794      |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172028.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:28  
Operator : MJB  
Sample : 0G17041-CALJ  
Misc : A20G271, CHLOR 10 ppb  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:46:44 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172029.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:45  
 Operator : MJB  
 Sample : 0G17041-CALK  
 Misc : A20F057, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:46:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|----------|----------|------------|------------|
| -----                       |        |        |          |          |            |            |
| System Monitoring Compounds |        |        |          |          |            |            |
| 1) S TCMX (S)               | 5.386  | 6.051f | 28291    | 37039    | 0.008      | 0.011 #    |
| 22) S DCBP (S)              | 9.599  | 10.660 | 272888   | 343021   | BelowCal   | BelowCal   |
| Target Compounds            |        |        |          |          |            |            |
| 2) a-BHC                    | 5.935  | 6.707f | 43958    | 534476   | 0.009      | 0.162 #    |
| 3) g-BHC                    | 6.224  | 7.007  | 38669    | 204194   | 0.009      | 0.052 #    |
| 4) b-BHC                    | 6.285  | 7.101f | 85727    | 716082   | 0.043      | 0.380 #    |
| 5) Heptachlor               | 6.621  | 7.373  | 9771285  | 8544206  | 2.308      | 2.203      |
| 6) d-BHC                    | 6.432  | 7.321  | 263008   | 24639    | 0.064      | 0.039 #    |
| 7) Aldrin                   | 6.863  | 7.642  | 119453   | 96493    | 0.027      | 0.017 #    |
| 8) Heptachlo...             | 7.328  | 8.096  | 1661705  | 537615   | 0.410      | 0.147 #    |
| 9) trans-Chl...             | 7.418  | 8.216  | 21933232 | 20236642 | 5.301      | 5.461      |
| 10) cis-Chlor...            | 7.510  | 8.323  | 27287272 | 16860637 | 6.654      | 4.752 #    |
| 11) Endosulfa...            | 7.630  | 8.398  | 559494   | 200309   | 0.148      | 0.060 #    |
| 12) 4,4'-DDE                | 7.568  | 8.418  | 630280   | 488453   | 0.154      | 0.161      |
| 13) Dieldrin                | 7.796  | 8.576  | 700195   | 1492147  | 0.166      | 0.406 #    |
| 14) Endrin                  | 7.936  | 8.818  | 285403   | 168288   | 0.094      | 0.035 #    |
| 15) 4,4'-DDD                | 7.975f | 8.846  | 3955071  | 3492797  | 1.184      | 1.227      |
| 16) Endosulfa...            | 8.109  | 8.962  | 400294   | 359368   | 0.124      | 0.122      |
| 17) 4,4'-DDT                | 8.180  | 9.083  | 82590    | 120640   | 0.027      | 0.031      |
| 18) Endrin Al...            | 8.416  | 9.220f | 148869   | 1101101  | 0.045      | 0.387 #    |
| 19) Endosulfa...            | 8.699  | 9.380  | 317847   | 14483    | 0.110      | BelowCal # |
| 20) Methoxychlor            | 8.542  | 9.554  | 109285   | 57451    | 0.072      | 0.039 #    |
| 21) Endrin Ke...            | 8.880  | 9.780  | 343592   | 232044   | 0.149      | 0.033 #    |
| 23) Hexachlor...            | 3.185  | 3.771  | 15035    | 11858    | BelowCal   | BelowCal   |
| 24) Hexachlor...            | 5.757  | 6.536  | 123953   | 30190    | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.244  | 8.018  | 152467   | 302939   | 104477.307 | BelowCal # |
| 26) 2,4'-DDE                | 7.328  | 8.216  | 1661705  | 20236642 | 0.470      | 8.888 #    |
| 27) trans-Non...            | 7.510  | 8.279  | 27287272 | 15380962 | 7.039      | 4.575 #    |
| 28) 2,4'-DDD                | 7.664f | 8.576  | 1744897  | 1492147  | 0.586      | 0.556      |
| 29) 2,4'-DDT                | 7.905f | 8.800  | 484720   | 446503   | 0.026      | 0.022      |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:24 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172029.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:45  
 Operator : MJB  
 Sample : 0G17041-CALK  
 Misc : A20F057, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:46:56 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

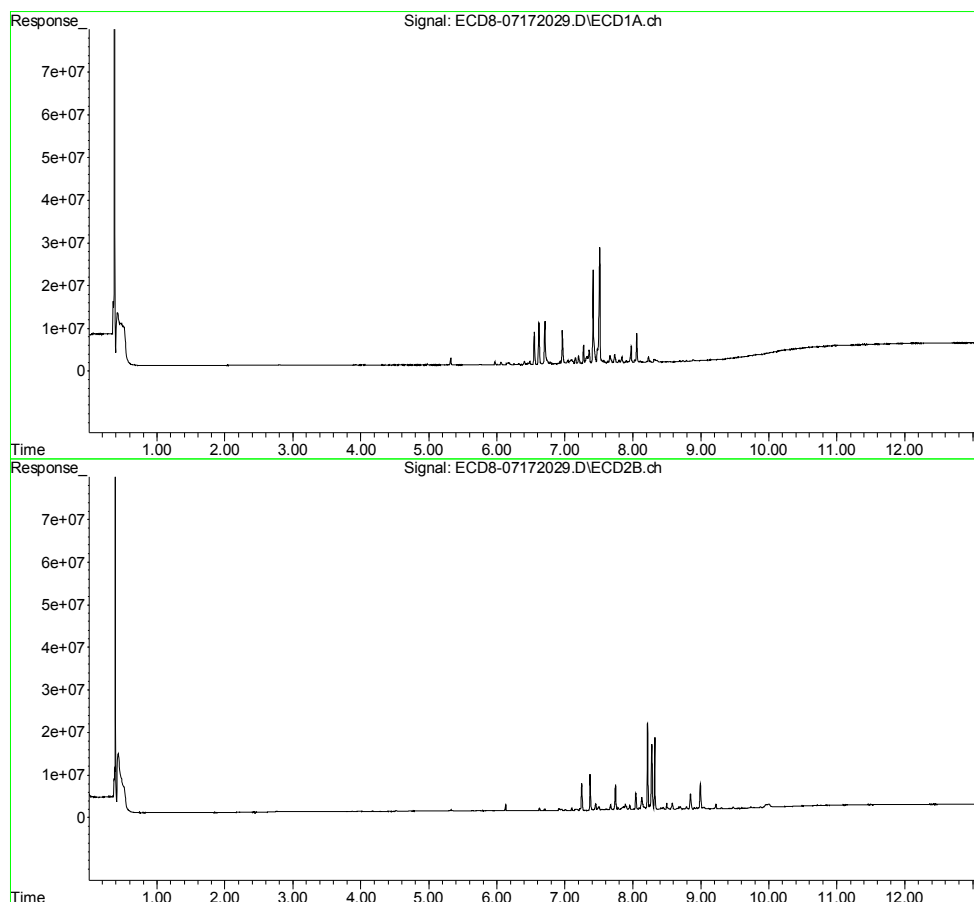
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL    |     |
|-----|--------------|--------|--------|----------|----------|-----------|----------|-----|
| 30) | cis-Nonac... | 7.975  | 8.846  | 3955071  | 3492797  | 0.791     | 0.814    |     |
| 31) | Mirex        | 8.633  | 9.780  | 39859    | 232044   | 14904.438 | BelowCal | #   |
| 32) | Chlordane... | 7.418  | 8.216  | 21933232 | 20236642 | 48.483    | 45.804   | ] ✓ |
| 33) | Chlordane... | 7.510  | 8.323  | 27287272 | 16860637 | 49.595    | 45.296   |     |
| 34) | Chlordane... | 8.057  | 8.988  | 6922066  | 5973393  | 47.726    | 46.305   |     |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.     |     |
| 36) | Toxaphene... | 7.510f | 8.576f | 27287272 | 1492147  | 1586.289  | 49.348   | #   |
| 37) | Toxaphene... | 7.796  | 8.903  | 700195   | 532842   | 18.447    | 13.559   | #   |
| 38) | Toxaphene... | 8.109  | 8.939  | 400294   | 441729   | 5.313     | 6.985    | #   |
| 39) | Toxaphene... | 8.314  | 8.988  | 778462   | 5973393  | 6.707     | 58.177   | #   |
| 40) | Toxaphene... | 8.542  | 9.164  | 109285   | 99064    | 1.957     | 1.745    |     |
| 41) | Toxaphene... | 8.633  | 9.554  | 39859    | 57451    | 0.518     | 0.887    | #   |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172029.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:45  
Operator : MJB  
Sample : 0G17041-CALK  
Misc : A20F057, CHLOR 50 ppb  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:46:56 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172030.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:01  
 Operator : MJB  
 Sample : 0G17041-CALL  
 Misc : A20F058, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:14 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|----------|----------|------------|------------|
| -----                       |        |        |          |          |            |            |
| System Monitoring Compounds |        |        |          |          |            |            |
| 1) S TCMX (S)               | 5.385  | 6.044f | 34160    | 41278    | 0.009      | 0.012 #    |
| 22) S DCBP (S)              | 9.598  | 10.671 | 306594   | 328479   | BelowCal   | BelowCal   |
| Target Compounds            |        |        |          |          |            |            |
| 2) a-BHC                    | 5.917  | 6.707f | 30552    | 949188   | 0.006      | 0.255 #    |
| 3) g-BHC                    | 6.230  | 7.008  | 49689    | 408349   | 0.011      | 0.105 #    |
| 4) b-BHC                    | 6.286  | 7.101f | 132581   | 1379359  | 0.067      | 0.732 #    |
| 5) Heptachlor               | 6.622  | 7.373  | 19740022 | 17790665 | 4.662      | 4.607      |
| 6) d-BHC                    | 6.433  | 7.323  | 464144   | 37080    | 0.113      | 0.042 #    |
| 7) Aldrin                   | 6.865  | 7.641  | 263371   | 183994   | 0.060      | 0.041 #    |
| 8) Heptachlo...             | 7.328  | 8.095  | 3245842  | 1066073  | 0.802      | 0.291 #    |
| 9) trans-Chl...             | 7.417  | 8.216  | 45334776 | 41073469 | 10.957     | 11.085     |
| 10) cis-Chlor...            | 7.510  | 8.323  | 54515398 | 34505201 | 13.293     | 9.725 #    |
| 11) Endosulfa...            | 7.629  | 8.397  | 1124649  | 514501   | 0.298      | 0.155 #    |
| 12) 4,4'-DDE                | 7.568  | 8.418  | 1271865  | 945916   | 0.311      | 0.294      |
| 13) Dieldrin                | 7.796  | 8.576  | 1434151  | 3205363  | 0.339      | 0.872 #    |
| 14) Endrin                  | 7.935  | 8.817  | 652918   | 409141   | 0.216      | 0.135 #    |
| 15) 4,4'-DDD                | 7.975f | 8.845  | 7437660  | 6615971  | 2.227      | 2.314      |
| 16) Endosulfa...            | 8.108  | 8.961  | 791968   | 741755   | 0.245      | 0.253      |
| 17) 4,4'-DDT                | 8.180  | 9.081  | 229881   | 238115   | 0.074      | 0.077      |
| 18) Endrin Al...            | 8.417  | 9.219f | 242183   | 2108225  | 0.074      | 0.741 #    |
| 19) Endosulfa...            | 8.699  | 9.362f | 590491   | 20346    | 0.204      | BelowCal # |
| 20) Methoxychlor            | 8.542  | 9.555  | 236180   | 65334    | 0.156      | 0.044 #    |
| 21) Endrin Ke...            | 8.881  | 9.781  | 368374   | 337193   | 0.159      | 0.097 #    |
| 23) Hexachlor...            | 0.000  | 3.795f | 0        | 34252    | N.D.       | BelowCal   |
| 24) Hexachlor...            | 5.746f | 6.534  | 122045   | 33930    | BelowCal   | BelowCal   |
| 25) Oxychlorane             | 7.243  | 8.018  | 380789   | 541966   | 104477.240 | BelowCal # |
| 26) 2,4'-DDE                | 7.328  | 8.216  | 3245842  | 41073469 | 1.090      | 18.025 #   |
| 27) trans-Non...            | 7.510  | 8.278  | 54515398 | 30874173 | 14.292     | 9.382 #    |
| 28) 2,4'-DDD                | 7.665f | 8.576  | 3407398  | 3205363  | 1.331      | 1.437      |
| 29) 2,4'-DDT                | 7.904f | 8.798  | 1010887  | 851394   | 0.253      | 0.223      |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:28 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172030.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:01  
 Operator : MJB  
 Sample : 0G17041-CALL  
 Misc : A20F058, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:14 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

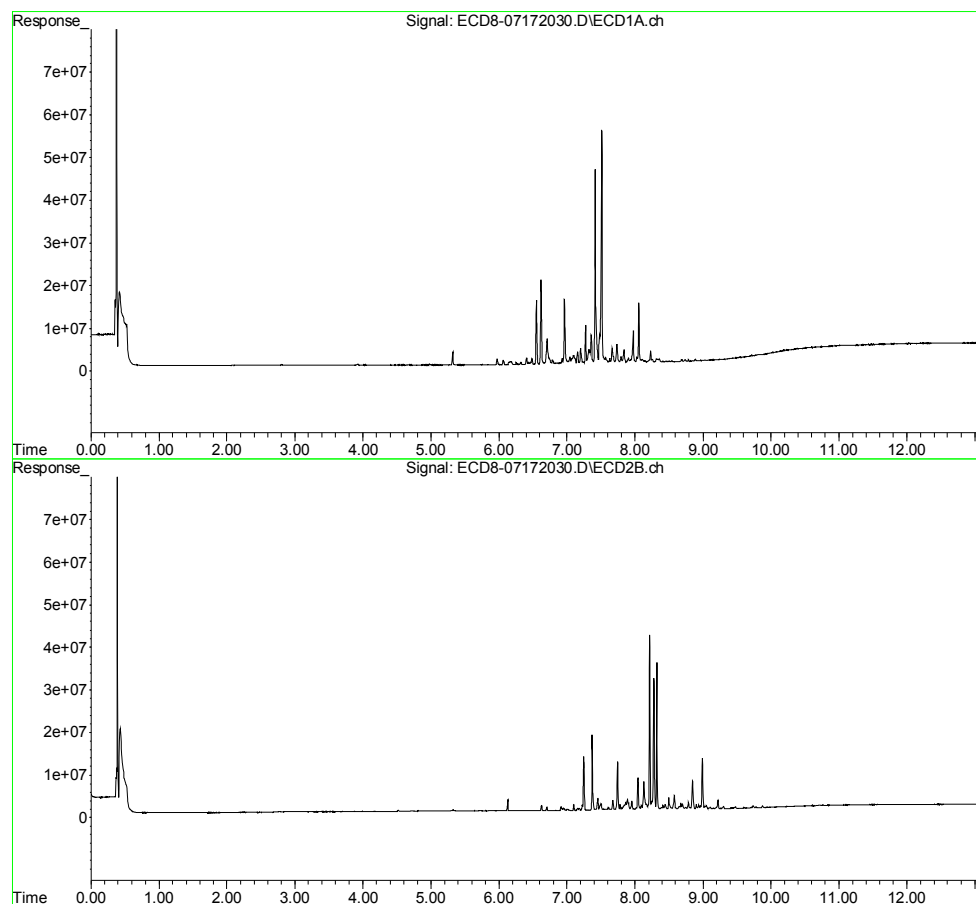
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL    |     |
|-----|--------------|--------|--------|----------|----------|-----------|----------|-----|
| 30) | cis-Nonac... | 7.975  | 8.845  | 7437660  | 6615971  | 1.648     | 1.702    |     |
| 31) | Mirex        | 8.633  | 9.781  | 60774    | 337193   | 14904.430 | BelowCal | #   |
| 32) | Chlordane... | 7.417  | 8.216  | 45334776 | 41073469 | 100.211   | 92.967   | ] ✓ |
| 33) | Chlordane... | 7.510  | 8.323  | 54515398 | 34505201 | 99.083    | 92.699   |     |
| 34) | Chlordane... | 8.057  | 8.987  | 13977696 | 11775011 | 96.373    | 100.205  |     |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.     |     |
| 36) | Toxaphene... | 7.510f | 8.576f | 54515398 | 3205363  | 3169.139  | 106.008  | #   |
| 37) | Toxaphene... | 7.796  | 8.902  | 1434151  | 1058829  | 41.055    | 26.944   | #   |
| 38) | Toxaphene... | 8.086  | 8.938  | 558278   | 908442   | 7.409     | 14.366   | #   |
| 39) | Toxaphene... | 8.334  | 8.987  | 770762   | 11775011 | 6.591     | 120.719  | #   |
| 40) | Toxaphene... | 8.542  | 9.159  | 236180   | 185178   | 4.229     | 3.262    |     |
| 41) | Toxaphene... | 8.633  | 9.555  | 60774    | 65334    | 0.791     | 1.009    | #   |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172030.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:01  
Operator : MJB  
Sample : 0G17041-CALL  
Misc : A20F058, CHLOR 100 ppb  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:47:14 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172031.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:18  
 Operator : MJB  
 Sample : 0G17041-CALM  
 Misc : A20F059, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:25 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| -----                       |        |        |          |          |          |            |
| System Monitoring Compounds |        |        |          |          |          |            |
| 1) S TCMX (S)               | 5.386  | 6.044f | 50040    | 48222    | 0.013    | 0.014      |
| 22) S DCBP (S)              | 9.597  | 10.667 | 345231   | 307261   | BelowCal | BelowCal   |
| Target Compounds            |        |        |          |          |          |            |
| 2) a-BHC                    | 5.916  | 6.707f | 45621    | 1735202  | 0.009    | 0.433 #    |
| 3) g-BHC                    | 6.228  | 7.008  | 83016    | 766017   | 0.019    | 0.197 #    |
| 4) b-BHC                    | 6.284  | 7.101f | 252765   | 2625222  | 0.127    | 1.393 #    |
| 5) Heptachlor               | 6.621  | 7.373  | 40659498 | 35738857 | 9.604    | 9.223 #    |
| 6) d-BHC                    | 6.431  | 7.325  | 840289   | 103719   | 0.204    | 0.060 #    |
| 7) Aldrin                   | 6.862  | 7.643  | 587853   | 403536   | 0.135    | 0.101 #    |
| 8) Heptachlo...             | 7.328  | 8.095  | 6419523  | 2064410  | 1.585    | 0.564 #    |
| 9) trans-Chl...             | 7.417  | 8.215  | 88984346 | 84764039 | 21.506   | 22.876 #   |
| 10) cis-Chlor...            | 7.510  | 8.323  | 107.2E6  | 70570514 | 26.131   | 19.890 #   |
| 11) Endosulfa...            | 7.629  | 8.396  | 2250378  | 1120904  | 0.596    | 0.338 #    |
| 12) 4,4'-DDE                | 7.568  | 8.419  | 2573569  | 1933064  | 0.630    | 0.581 #    |
| 13) Dieldrin                | 7.796  | 8.575  | 2811580  | 6912967  | 0.665    | 1.880 #    |
| 14) Endrin                  | 7.935  | 8.818  | 1407463  | 882576   | 0.465    | 0.331 #    |
| 15) 4,4'-DDD                | 7.974f | 8.845  | 15344657 | 13184820 | 4.594    | 4.586 #    |
| 16) Endosulfa...            | 8.108  | 8.961  | 1717549  | 1475788  | 0.531    | 0.503 #    |
| 17) 4,4'-DDT                | 8.230f | 9.082  | 5357706  | 479628   | 1.734    | 0.171 #    |
| 18) Endrin Al...            | 8.416  | 9.219f | 466251   | 4006311  | 0.142    | 1.407 #    |
| 19) Endosulfa...            | 8.699  | 9.362f | 1160893  | 44110    | 0.401    | BelowCal # |
| 20) Methoxychlor            | 8.542  | 9.554  | 465341   | 84378    | 0.307    | 0.057 #    |
| 21) Endrin Ke...            | 8.881  | 9.780  | 404974   | 565530   | 0.175    | 0.237 #    |
| 23) Hexachlor...            | 3.178  | 3.773  | 35956    | 36346    | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.786  | 6.562  | 42361    | 74737    | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.242  | 8.018  | 802591   | 1112108  | 0.050    | 0.150 #    |
| 26) 2,4'-DDE                | 7.328  | 8.215  | 6419523  | 84764039 | 2.332    | 36.512 #   |
| 27) trans-Non...            | 7.510  | 8.279  | 107.2E6  | 64556468 | 28.301   | 19.643 #   |
| 28) 2,4'-DDD                | 7.664f | 8.575  | 6681702  | 6912967  | 2.797    | 3.335 #    |
| 29) 2,4'-DDT                | 7.904f | 8.818  | 2143463  | 882576   | 0.742    | 0.238 #    |

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172031.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:18  
 Operator : MJB  
 Sample : 0G17041-CALM  
 Misc : A20F059, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:25 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

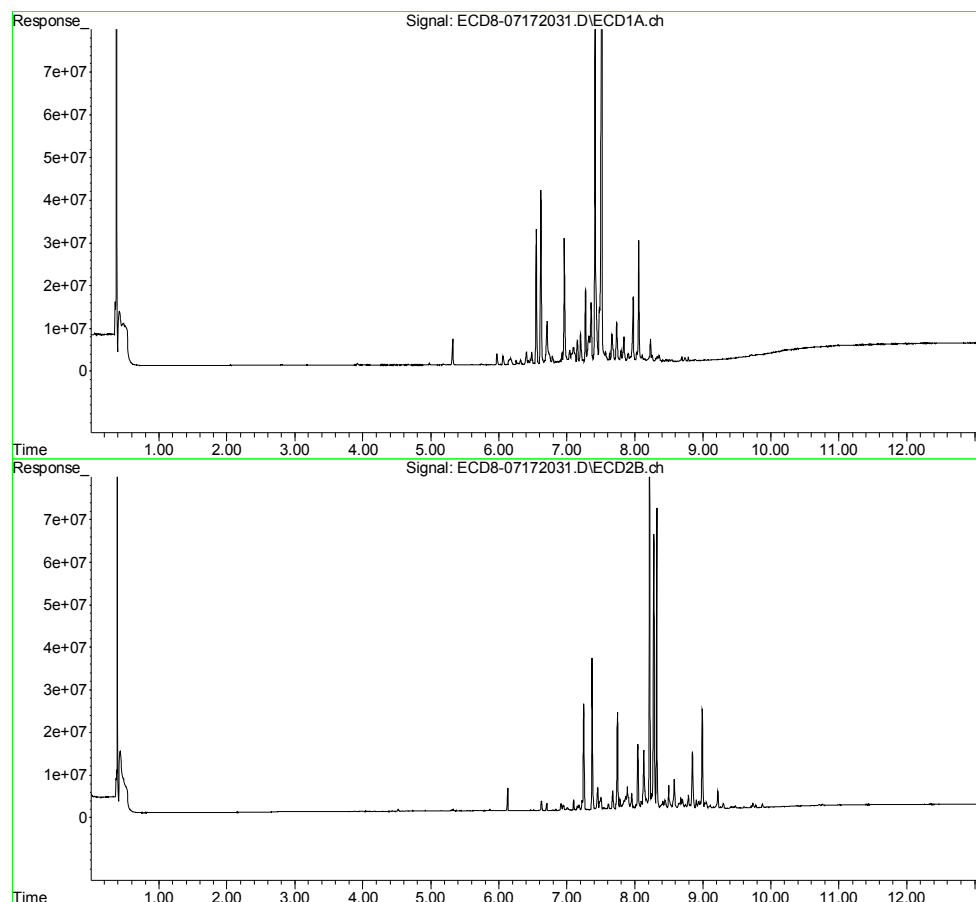
|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL    |     |
|-----|--------------|--------|--------|----------|----------|-----------|----------|-----|
| 30) | cis-Nonac... | 7.974  | 8.845  | 15344657 | 13184820 | 3.595     | 3.562    |     |
| 31) | Mirex        | 8.634  | 9.780  | 115794   | 565530   | 14904.409 | BelowCal | #   |
| 32) | Chlordane... | 7.417  | 8.215  | 88984346 | 84764039 | 196.698   | 191.857  | ] ✓ |
| 33) | Chlordane... | 7.510  | 8.323  | 107.2E6  | 70570514 | 194.773   | 189.589  |     |
| 34) | Chlordane... | 8.057  | 8.987  | 28546944 | 23414602 | 196.825   | 206.442  |     |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.      | N.D.     |     |
| 36) | Toxaphene... | 7.510f | 8.575f | 107.2E6  | 6912967  | 6229.765  | 228.625  | #   |
| 37) | Toxaphene... | 7.796  | 8.901  | 2811580  | 2125158  | 83.505    | 54.080   | #   |
| 38) | Toxaphene... | 8.108  | 8.938  | 1717549  | 1857543  | 22.795    | 29.374   | #   |
| 39) | Toxaphene... | 8.335  | 8.987  | 1276909  | 23414602 | 14.190    | 243.635  | #   |
| 40) | Toxaphene... | 8.542  | 9.159  | 465341   | 384538   | 8.332     | 6.773    |     |
| 41) | Toxaphene... | 8.634  | 9.554  | 115794   | 84378    | 1.506     | 1.303    |     |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172031.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:18  
Operator : MJB  
Sample : 0G17041-CALM  
Misc : A20F059, CHLOR 200 ppb  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:47:25 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172032.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:34  
 Operator : MJB  
 Sample : 0G17041-CALN  
 Misc : A20F060, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:36 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| -----                       |        |        |          |          |          |          |
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 5.387  | 6.050f | 132728   | 132981   | 0.036    | 0.038    |
| 22) S DCBP (S)              | 9.597  | 10.665 | 535124   | 337953   | BelowCal | BelowCal |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.936  | 6.707f | 35951    | 3799030  | 0.007    | 0.900 #  |
| 3) g-BHC                    | 6.227  | 7.008  | 207975   | 1722565  | 0.047    | 0.444 #  |
| 4) b-BHC                    | 6.283  | 7.101f | 591144   | 6163979  | 0.298    | 3.270 #  |
| 5) Heptachlor               | 6.621  | 7.372  | 97195648 | 93327769 | 22.957   | 23.624 # |
| 6) d-BHC                    | 6.432  | 7.304  | 1970953  | 546758   | 0.478    | 0.176 #  |
| 7) Aldrin                   | 6.857  | 7.642  | 1663969  | 978760   | 0.381    | 0.259 #  |
| 8) Heptachlo...             | 7.327  | 8.094  | 15355864 | 4737928  | 3.792    | 1.294 #  |
| 9) trans-Chl...             | 7.416  | 8.215  | 216.7E6  | 217.9E6  | 52.368   | 58.813 # |
| 10) cis-Chlor...            | 7.509  | 8.322  | 262.6E6  | 181.6E6  | 64.027   | 51.170 # |
| 11) Endosulfa...            | 7.628  | 8.397  | 5586709  | 2994466  | 1.481    | 0.904 #  |
| 12) 4,4'-DDE                | 7.567  | 8.418  | 6062872  | 4621229  | 1.483    | 1.362 #  |
| 13) Dieldrin                | 7.795  | 8.575  | 6856001  | 18367871 | 1.621    | 4.994 #  |
| 14) Endrin                  | 7.934  | 8.818  | 3525696  | 2305026  | 1.166    | 0.920 #  |
| 15) 4,4'-DDD                | 8.028f | 8.845  | 5936627  | 33312666 | 1.777    | 11.443 # |
| 16) Endosulfa...            | 8.107  | 8.961  | 4212436  | 3652100  | 1.303    | 1.245 #  |
| 17) 4,4'-DDT                | 8.178f | 9.082  | 1347635  | 1303719  | 0.436    | 0.491 #  |
| 18) Endrin Al...            | 8.416  | 9.219f | 1181580  | 9541992  | 0.359    | 3.352 #  |
| 19) Endosulfa...            | 8.698  | 9.361f | 2592003  | 294398   | 0.895    | 0.076 #  |
| 20) Methoxychlor            | 8.541  | 9.554  | 1181480  | 277785   | 0.780    | 0.187 #  |
| 21) Endrin Ke...            | 8.905  | 9.780  | 179591   | 1430264  | 0.078    | 0.765 #  |
| 23) Hexachlor...            | 0.000  | 3.795f | 0        | 34621    | N.D.     | BelowCal |
| 24) Hexachlor...            | 5.745f | 6.563f | 524646   | 85273    | BelowCal | BelowCal |
| 25) Oxychlordan             | 7.242  | 8.018  | 2056845  | 2695431  | 0.418    | 0.701 #  |
| 26) 2,4'-DDE                | 7.327  | 8.215  | 15355864 | 217.9E6  | 5.823    | 88.234 # |
| 27) trans-Non...            | 7.509  | 8.278  | 262.6E6  | 166.0E6  | 69.543   | 49.125 # |
| 28) 2,4'-DDD                | 7.663f | 8.575  | 16536261 | 18367871 | 7.204    | 9.142 #  |
| 29) 2,4'-DDT                | 7.903f | 8.818  | 5201538  | 2305026  | 2.061    | 0.943 #  |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:36 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172032.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:34  
 Operator : MJB  
 Sample : 0G17041-CALN  
 Misc : A20F060, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:47:36 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

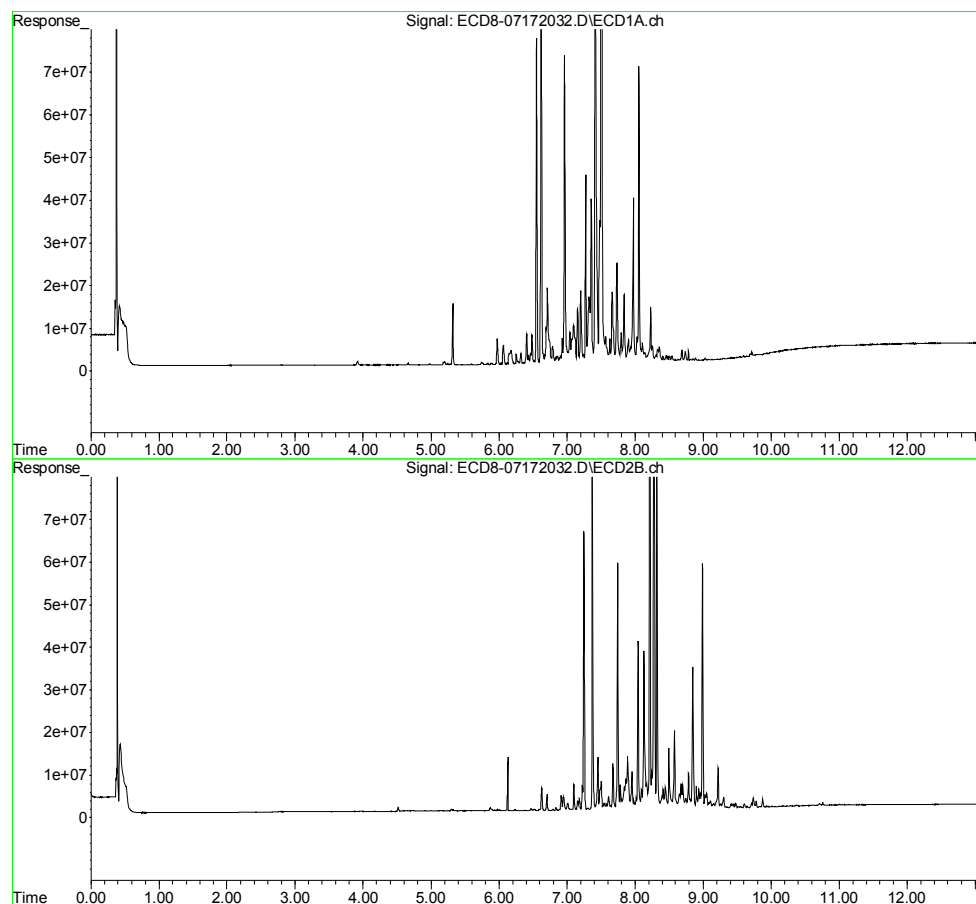
|     | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL     | ng/mL     |
|-----|--------------|-------|--------|----------|----------|-----------|-----------|
| 30) | cis-Nonac... | 7.974 | 8.845  | 38297273 | 33312666 | 9.241     | 9.213     |
| 31) | Mirex        | 8.634 | 9.780  | 326436   | 1430264  | 14904.329 | 0.266 #   |
| 32) | Chlordane... | 7.416 | 8.215  | 216.7E6  | 217.9E6  | 478.959   | 493.256 # |
| 33) | Chlordane... | 7.509 | 8.322  | 262.6E6  | 181.6E6  | 477.238   | 487.744 # |
| 34) | Chlordane... | 8.056 | 8.987  | 69089699 | 57328312 | 476.358   | 502.872 # |
| 35) | Chlordane... | 0.000 | 0.000  | 0        | 0        | N.D.      | N.D.      |
| 36) | Toxaphene... | 7.482 | 8.575f | 33309114 | 18367871 | 1936.356  | 607.462 # |
| 37) | Toxaphene... | 7.795 | 8.902  | 6856001  | 5250878  | 208.316   | 133.621 # |
| 38) | Toxaphene... | 8.084 | 8.939  | 2924201  | 4554870  | 38.809    | 72.029 #  |
| 39) | Toxaphene... | 8.335 | 8.987  | 2775790  | 57328312 | 36.665    | 584.389 # |
| 40) | Toxaphene... | 8.541 | 9.158  | 1181480  | 1074826  | 21.154    | 18.931    |
| 41) | Toxaphene... | 8.634 | 9.554  | 326436   | 277785   | 4.246     | 4.290     |
| 42) | Toxaphene... | 0.000 | 0.000  | 0        | 0        | N.D.      | N.D.      |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172032.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:34  
Operator : MJB  
Sample : 0G17041-CALN  
Misc : A20F060, CHLOR 500 ppb  
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:47:36 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172033.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:51  
 Operator : MJB  
 Sample : 0G17041-CALO  
 Misc : A20F061, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| -----                       |        |        |          |          |          |            |
| System Monitoring Compounds |        |        |          |          |          |            |
| 1) S TCMX (S)               | 5.386  | 6.050f | 219723   | 169829   | 0.059    | 0.048      |
| 22) S DCBP (S)              | 9.597  | 10.667 | 817017   | 409781   | 0.045    | BelowCal # |
| Target Compounds            |        |        |          |          |          |            |
| 2) a-BHC                    | 5.914  | 6.707f | 209729   | 7056176  | 0.043    | 1.634 #    |
| 3) g-BHC                    | 6.227  | 7.007  | 405259   | 3353936  | 0.092    | 0.865 #    |
| 4) b-BHC                    | 6.283  | 7.101f | 1031573  | 12273558 | 0.520    | 6.510 #    |
| 5) Heptachlor               | 6.620  | 7.372  | 200.8E6  | 200.3E6  | 47.437   | 48.911     |
| 6) d-BHC                    | 6.431  | 7.324  | 3275110  | 628117   | 0.794    | 0.198 #    |
| 7) Aldrin                   | 6.861  | 7.641  | 2776033  | 1875626  | 0.636    | 0.504      |
| 8) Heptachlo...             | 7.327  | 8.094  | 33041222 | 9941243  | 8.159    | 2.716 #    |
| 9) trans-Chl...             | 7.415  | 8.215  | 438.8E6  | 469.3E6  | 106.049  | 126.665    |
| 10) cis-Chlor...            | 7.508  | 8.322  | 549.2E6  | 393.9E6  | 133.920  | 111.023    |
| 11) Endosulfa...            | 7.627  | 8.397  | 11039506 | 6636273  | 2.926    | 2.003 #    |
| 12) 4,4'-DDE                | 7.566  | 8.417  | 12383144 | 9231067  | 3.029    | 2.696      |
| 13) Dieldrin                | 7.794  | 8.574  | 13928672 | 41346790 | 3.294    | 11.242 #   |
| 14) Endrin                  | 7.934  | 8.818  | 7413266  | 4776837  | 2.452    | 1.939      |
| 15) 4,4'-DDD                | 8.028f | 8.845  | 12674539 | 69823790 | 3.795    | 23.500 #   |
| 16) Endosulfa...            | 8.107  | 8.960  | 8733928  | 7691652  | 2.701    | 2.622      |
| 17) 4,4'-DDT                | 8.230f | 9.082  | 26396449 | 2727198  | 8.543    | 1.044 #    |
| 18) Endrin Al...            | 8.416  | 9.218f | 2495098  | 19950257 | 0.758    | 7.008 #    |
| 19) Endosulfa...            | 8.698  | 9.382  | 5402945  | 509241   | 1.865    | 0.166 #    |
| 20) Methoxychlor            | 8.541  | 9.554  | 2697097  | 694110   | 1.780    | 0.468 #    |
| 21) Endrin Ke...            | 8.905  | 9.780  | 330216   | 3110435  | 0.143    | 1.788 #    |
| 23) Hexachlor...            | 0.000  | 3.795f | 0        | 31858    | N.D.     | BelowCal   |
| 24) Hexachlor...            | 5.744f | 6.562f | 777305   | 104331   | BelowCal | BelowCal   |
| 25) Oxychlordan             | 7.241  | 8.017  | 4174923  | 5233363  | 1.037    | 1.583 #    |
| 26) 2,4'-DDE                | 7.327  | 8.215  | 33041222 | 469.3E6  | 12.712   | 172.497 #  |
| 27) trans-Non...            | 7.508  | 8.278  | 549.2E6  | 347.0E6  | 145.183  | 97.411 #   |
| 28) 2,4'-DDD                | 7.663f | 8.574  | 35586144 | 41346790 | 15.706   | 20.530 #   |
| 29) 2,4'-DDT                | 7.902f | 8.818  | 10689919 | 4776837  | 4.426    | 2.165 #    |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:40 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172033.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:51  
 Operator : MJB  
 Sample : 0G17041-CALO  
 Misc : A20F061, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

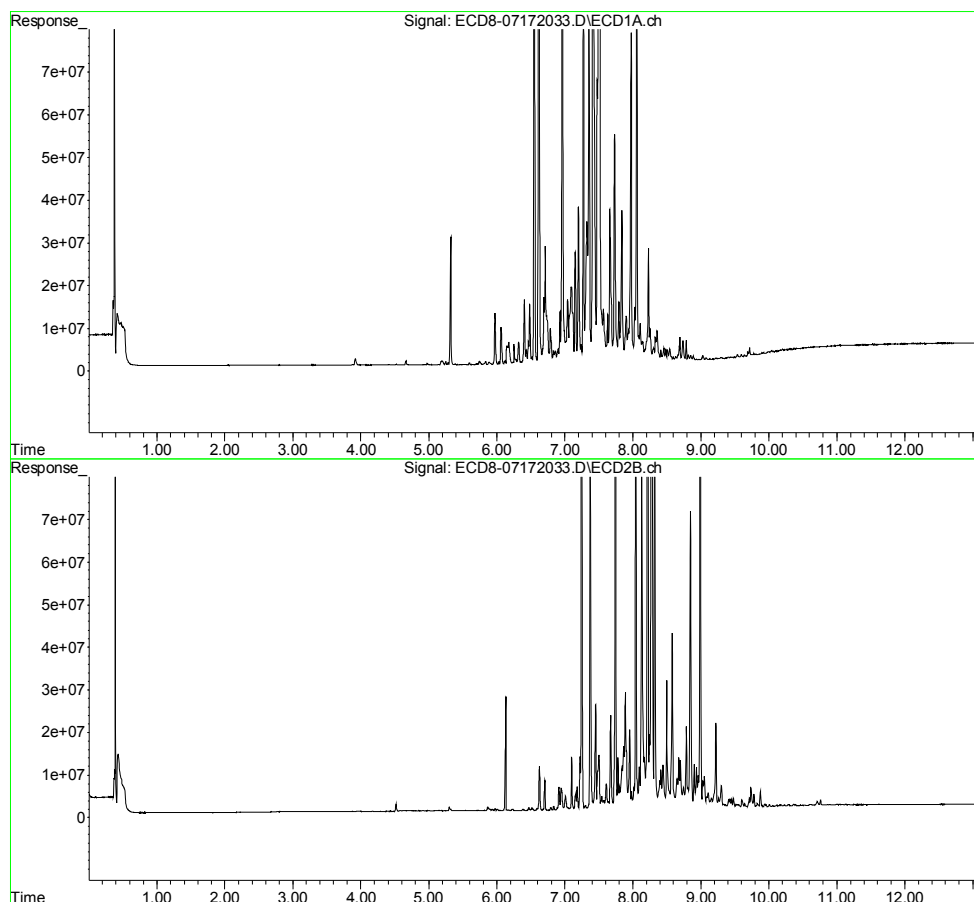
|     | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |     |
|-----|--------------|-------|--------|----------|----------|----------|----------|-----|
| 30) | cis-Nonac... | 7.973 | 8.845  | 76877505 | 69823790 | 18.707   | 19.280   |     |
| 31) | Mirex        | 8.633 | 9.780  | 860063   | 3110435  | 0.042    | 1.064    | #   |
| 32) | Chlordane... | 7.415 | 8.215  | 438.8E6  | 469.3E6  | 969.927  | 1062.313 | ] ✓ |
| 33) | Chlordane... | 7.508 | 8.322  | 549.2E6  | 393.9E6  | 998.211  | 1058.249 |     |
| 34) | Chlordane... | 8.056 | 8.987  | 145.4E6  | 123.9E6  | 1002.672 | 1037.685 |     |
| 35) | Chlordane... | 0.000 | 0.000  | 0        | 0        | N.D.     | N.D.     |     |
| 36) | Toxaphene... | 7.481 | 8.574f | 65943786 | 41346790 | 3833.505 | 1367.419 | #   |
| 37) | Toxaphene... | 7.794 | 8.901  | 13928672 | 10364078 | 427.181  | 263.738  | #   |
| 38) | Toxaphene... | 8.084 | 8.937  | 5997815  | 9687257  | 79.601   | 153.191  | #   |
| 39) | Toxaphene... | 8.335 | 8.987  | 5516399  | 123.9E6  | 77.649   | 1192.519 | #   |
| 40) | Toxaphene... | 8.541 | 9.158  | 2697097  | 2369411  | 48.291   | 41.733   |     |
| 41) | Toxaphene... | 8.633 | 9.554  | 860063   | 694110   | 11.188   | 10.720   |     |
| 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\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172033.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:51  
Operator : MJB  
Sample : 0G17041-CALO  
Misc : A20F061, CHLOR 1000 ppb  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:48:09 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:07  
 Operator : MJB  
 Sample : 0G17041-CALP  
 Misc : A20F056, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:18 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL     |
|-----------------------------|--------|--------|----------|----------|---------|-----------|
| -----                       |        |        |          |          |         |           |
| System Monitoring Compounds |        |        |          |          |         |           |
| 1) S TCMX (S)               | 5.385  | 6.049f | 433447   | 302490   | 0.116   | 0.086 #   |
| 22) S DCBP (S)              | 9.596  | 10.665 | 1336901  | 594464   | 0.217   | 0.041 #   |
| Target Compounds            |        |        |          |          |         |           |
| 2) a-BHC                    | 5.914  | 6.706f | 388730   | 13410516 | 0.079   | 3.063 #   |
| 3) g-BHC                    | 6.227  | 7.007  | 747090   | 6498271  | 0.169   | 1.676 #   |
| 4) b-BHC                    | 6.312  | 7.100f | 9982408  | 26232989 | 5.028   | 13.915 #  |
| 5) Heptachlor               | 6.619  | 7.372  | 397.7E6  | 415.1E6  | 93.936  | 95.114    |
| 6) d-BHC                    | 6.429  | 7.320  | 5592141  | 1248636  | 1.356   | 0.361 #   |
| 7) Aldrin                   | 6.853  | 7.641  | 6016885  | 3494311  | 1.379   | 0.946 #   |
| 8) Heptachlo...             | 7.325  | 8.093  | 64266164 | 19808655 | 15.870  | 5.411 #   |
| 9) trans-Chl...             | 7.414  | 8.214  | 892.1E6  | 990.5E6  | 215.621 | 267.304   |
| 10) cis-Chlor...            | 7.507  | 8.322  | 1096.4E6 | 820.9E6  | 267.343 | 231.378   |
| 11) Endosulfa...            | 7.626  | 8.395  | 22079118 | 13798273 | 5.852   | 4.166 #   |
| 12) 4,4'-DDE                | 7.565  | 8.443  | 23740044 | 20364306 | 5.807   | 5.891     |
| 13) Dieldrin                | 7.793  | 8.574  | 26979896 | 89629159 | 6.380   | 24.371 #  |
| 14) Endrin                  | 7.932  | 8.818  | 15182065 | 9936655  | 5.021   | 4.056     |
| 15) 4,4'-DDD                | 8.027f | 8.845  | 24969409 | 142.3E6  | 7.476   | 46.154 #  |
| 16) Endosulfa...            | 8.106  | 8.960  | 17618478 | 15189458 | 5.448   | 5.177     |
| 17) 4,4'-DDT                | 8.229f | 9.082  | 51507751 | 5425735  | 16.670  | 2.087 #   |
| 18) Endrin Al...            | 8.415  | 9.218f | 5138870  | 42128758 | 1.561   | 14.799 #  |
| 19) Endosulfa...            | 8.697  | 9.361f | 10359739 | 1857281  | 3.577   | 0.732 #   |
| 20) Methoxychlor            | 8.540  | 9.554  | 5627271  | 1494313  | 3.713   | 1.008 #   |
| 21) Endrin Ke...            | 8.905  | 9.780  | 725438   | 6307279  | 0.314   | 3.721 #   |
| 23) Hexachlor...            | 0.000  | 3.794f | 0        | 38147    | N.D.    | BelowCal  |
| 24) Hexachlor...            | 5.744f | 6.516f | 2424267  | 1386820  | 0.454   | 0.192 #   |
| 25) Oxychlordan             | 7.240  | 8.017  | 8018243  | 10465044 | 2.162   | 3.396 #   |
| 26) 2,4'-DDE                | 7.325  | 8.214  | 64266164 | 990.5E6  | 24.814  | 314.690 # |
| 27) trans-Non...            | 7.507  | 8.278  | 1096.4E6 | 748.3E6  | 288.073 | 190.558 # |
| 28) 2,4'-DDD                | 7.731f | 8.574  | 109.2E6  | 89629159 | 48.331  | 43.438    |
| 29) 2,4'-DDT                | 7.901f | 8.818  | 22358514 | 9936655  | 9.441   | 4.702 #   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:44 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:07  
 Operator : MJB  
 Sample : 0G17041-CALP  
 Misc : A20F056, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:18 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----|--------------|--------|--------|----------|----------|----------|------------|
| 30) | cis-Nonac... | 7.973  | 8.845  | 149.1E6  | 142.3E6  | 36.353   | 38.607     |
| 31) | Mirex        | 8.631  | 9.780  | 1964593  | 6307279  | 0.465    | 2.579 #    |
| 32) | Chlordane... | 7.414  | 8.214  | 892.1E6  | 990.5E6  | 1972.062 | 2241.829   |
| 33) | Chlordane... | 7.507  | 8.322  | 1096.4E6 | 820.9E6  | 1992.710 | 2205.456   |
| 34) | Chlordane... | 8.055  | 8.987  | 279.6E6  | 255.3E6  | 1927.478 | 1963.493   |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.       |
| 36) | Toxaphene... | 7.479  | 8.574f | 125.7E6  | 89629159 | 7305.988 | 2964.212 # |
| 37) | Toxaphene... | 7.793  | 8.901  | 26979896 | 21791229 | 833.088  | 554.528 #  |
| 38) | Toxaphene... | 8.106  | 8.938  | 17618478 | 20354481 | 233.826  | 321.878 #  |
| 39) | Toxaphene... | 8.334  | 8.987  | 11070620 | 255.3E6  | 160.278  | 2231.113 # |
| 40) | Toxaphene... | 8.540f | 9.158  | 5627271  | 4881335  | 100.755  | 85.976     |
| 41) | Toxaphene... | 8.631  | 9.554  | 1964593  | 1494313  | 25.555   | 23.079     |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.       |

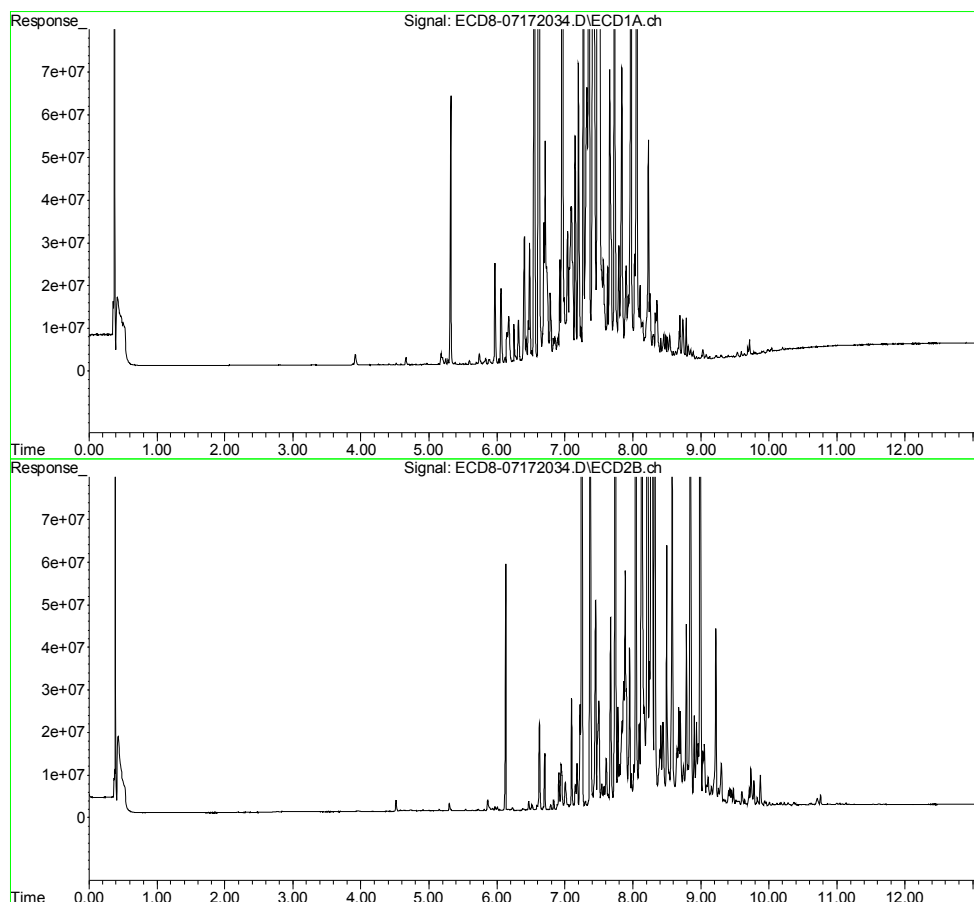
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172034.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:07  
Operator : MJB  
Sample : 0G17041-CALP  
Misc : A20F056, CHLOR 2000 ppb  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:48:18 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172037.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:57  
 Operator : MJB  
 Sample : 0G17041-CALQ  
 Misc : A20F084, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:51 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL      |
|-----------------------------|--------|--------|--------|--------|------------|------------|
| -----                       |        |        |        |        |            |            |
| System Monitoring Compounds |        |        |        |        |            |            |
| 1) S TCMX (S)               | 5.386  | 6.074  | 33892  | 44728  | 0.009      | 0.013 #    |
| 22) S DCBP (S)              | 9.589  | 10.650 | 253126 | 336792 | BelowCal   | BelowCal   |
| Target Compounds            |        |        |        |        |            |            |
| 2) a-BHC                    | 5.939  | 6.683  | 37836  | 20178  | 0.008      | 0.045 #    |
| 3) g-BHC                    | 6.216  | 6.997  | 16126  | 19817  | 0.004      | 0.004      |
| 4) b-BHC                    | 6.295  | 7.059  | 21179  | 13962  | 0.011      | 0.007 #    |
| 5) Heptachlor               | 6.622  | 7.374  | 34988  | 26730  | 0.008      | BelowCal # |
| 6) d-BHC                    | 6.459  | 7.314  | 34763  | 38460  | 0.008      | 0.042 #    |
| 7) Aldrin                   | 6.863  | 7.667f | 28402  | 93477  | 0.007      | 0.016 #    |
| 8) Heptachlo...             | 7.325  | 8.067  | 39368  | 117183 | 0.010      | 0.032 #    |
| 9) trans-Chl...             | 7.427  | 8.215  | 154957 | 94428  | 0.037      | 0.025 #    |
| 10) cis-Chlor...            | 7.512  | 8.318  | 133170 | 68123  | 0.032      | 0.019 #    |
| 11) Endosulfa...            | 7.613  | 8.378  | 236196 | 122225 | 0.063      | 0.037 #    |
| 12) 4,4'-DDE                | 7.586  | 8.444  | 81920  | 160454 | 0.020      | 0.065 #    |
| 13) Dieldrin                | 7.783  | 8.591  | 425175 | 168657 | 0.101      | 0.046 #    |
| 14) Endrin                  | 7.974f | 8.798  | 534473 | 387131 | 0.177      | 0.126 #    |
| 15) 4,4'-DDD                | 8.011  | 8.845  | 281246 | 227641 | 0.084      | 0.087      |
| 16) Endosulfa...            | 8.094  | 8.956  | 808329 | 172482 | 0.250      | 0.059 #    |
| 17) 4,4'-DDT                | 8.177f | 9.067  | 692350 | 322839 | 0.224      | 0.110 #    |
| 18) Endrin Al...            | 8.381  | 9.178  | 541662 | 645897 | 0.165      | 0.227 #    |
| 19) Endosulfa...            | 8.698  | 9.380  | 278934 | 293194 | 0.096      | 0.075      |
| 20) Methoxychlor            | 8.533  | 9.561  | 181867 | 734974 | 0.120      | 0.496 #    |
| 21) Endrin Ke...            | 8.880  | 9.784  | 523155 | 195376 | 0.226      | 0.010 #    |
| 23) Hexachlor...            | 0.000  | 3.793  | 0      | 89058  | N.D.       | BelowCal   |
| 24) Hexachlor...            | 5.743f | 6.562  | 232205 | 78728  | BelowCal   | BelowCal   |
| 25) Oxychlordan             | 7.251  | 8.018  | 154982 | 101506 | 104477.306 | BelowCal # |
| 26) 2,4'-DDE                | 7.325  | 8.215  | 39368  | 94428  | BelowCal   | BelowCal   |
| 27) trans-Non...            | 7.512  | 8.289  | 133170 | 101407 | BelowCal   | BelowCal   |
| 28) 2,4'-DDD                | 7.701  | 8.591  | 221239 | 168657 | BelowCal   | BelowCal   |
| 29) 2,4'-DDT                | 7.883  | 8.798  | 388311 | 387131 | BelowCal   | BelowCal   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:48 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172037.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:57  
 Operator : MJB  
 Sample : 0G17041-CALQ  
 Misc : A20F084, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:48:51 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2  | Resp#1 | Resp#2  | ng/mL    | ng/mL      |
|-----|--------------|--------|-------|--------|---------|----------|------------|
| 30) | cis-Nonac... | 7.974  | 8.845 | 534473 | 227641  | BelowCal | BelowCal   |
| 31) | Mirex        | 8.631  | 9.784 | 869784 | 195376  | 0.046    | BelowCal # |
| 32) | Chlordane... | 7.427  | 8.215 | 154957 | 94428   | 0.343    | 0.214 #    |
| 33) | Chlordane... | 7.512  | 8.318 | 133170 | 68123   | 0.242    | 0.183      |
| 34) | Chlordane... | 8.035f | 8.999 | 259739 | 1563268 | 1.791    | 4.891 #    |
| 35) | Chlordane... | 0.000  | 0.000 | 0      | 0       | N.D.     | N.D.       |
| 36) | Toxaphene... | 7.490  | 8.552 | 168184 | 335512  | 9.777    | 11.096     |
| 37) | Toxaphene... | 7.783  | 8.899 | 425175 | 413915  | 9.978    | 10.533     |
| 38) | Toxaphene... | 8.094  | 8.935 | 808329 | 723456  | 10.728   | 11.440     |
| 39) | Toxaphene... | 8.333  | 8.999 | 997698 | 1563268 | 9.999    | 10.037     |
| 40) | Toxaphene... | 8.562  | 9.178 | 570568 | 645897  | 10.216   | 11.376     |
| 41) | Toxaphene... | 8.631  | 9.561 | 869784 | 734974  | 11.314   | 11.351     |
| 42) | Toxaphene... | 0.000  | 0.000 | 0      | 0       | N.D.     | N.D.       |

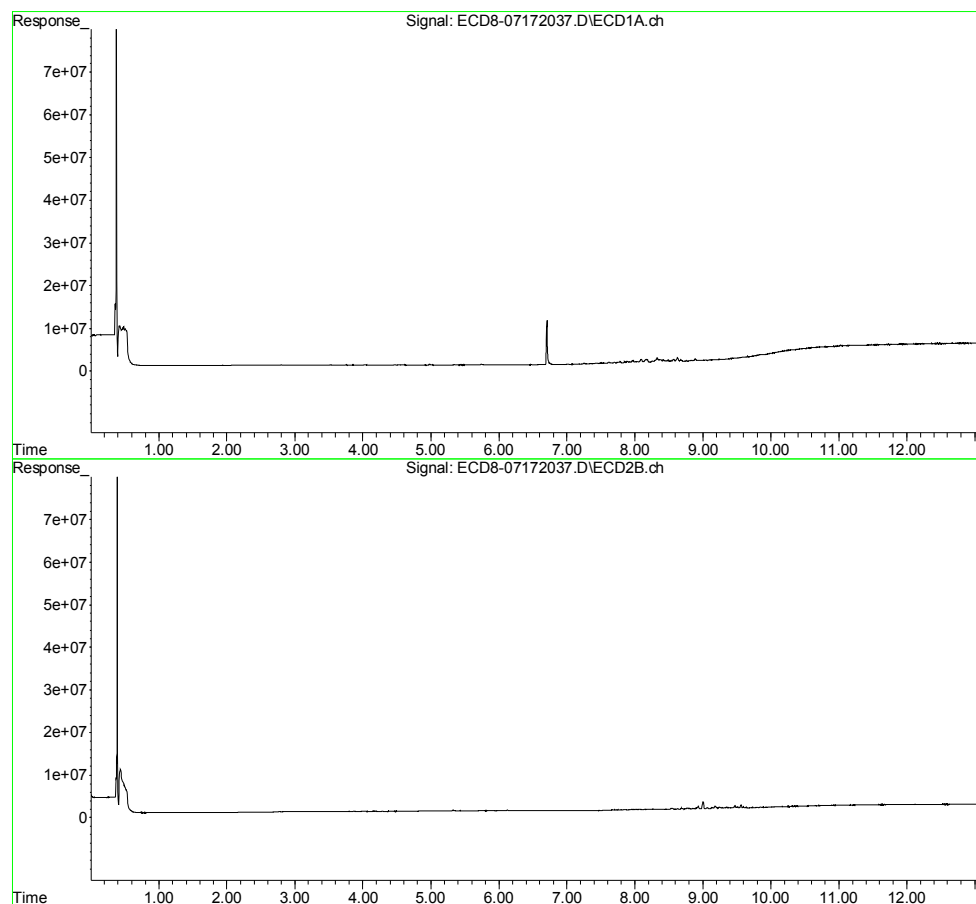


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172037.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:57  
Operator : MJB  
Sample : 0G17041-CALQ  
Misc : A20F084, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:48:51 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172038.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:13  
 Operator : MJB  
 Sample : 0G17041-CALR  
 Misc : A20F064, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:01 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 0.000  | 6.057f | 0       | 18941   | N.D.     | 0.005 #    |
| 22) S DCBP (S)              | 9.595  | 10.665 | 169317  | 309296  | BelowCal | BelowCal   |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.937  | 6.681  | 46287   | 25020   | 0.009    | 0.046 #    |
| 3) g-BHC                    | 6.214  | 6.996  | 24906   | 24900   | 0.006    | 0.005      |
| 4) b-BHC                    | 6.294  | 7.077  | 37524   | 6783    | 0.019    | 0.004 #    |
| 5) Heptachlor               | 6.621  | 7.373  | 67081   | 59265   | 0.016    | BelowCal # |
| 6) d-BHC                    | 6.451  | 7.315  | 27688   | 36415   | 0.007    | 0.042 #    |
| 7) Aldrin                   | 6.860  | 7.664f | 63873   | 174986  | 0.015    | 0.039 #    |
| 8) Heptachlo...             | 7.324  | 8.070  | 240150  | 514143  | 0.059    | 0.140 #    |
| 9) trans-Chl...             | 7.436  | 8.212  | 632770  | 503243  | 0.153    | 0.136      |
| 10) cis-Chlor...            | 7.539f | 8.347  | 734760  | 623250  | 0.179    | 0.176      |
| 11) Endosulfa...            | 7.614  | 8.379  | 1127799 | 782493  | 0.299    | 0.236      |
| 12) 4,4'-DDE                | 7.588  | 8.443  | 492368  | 873710  | 0.120    | 0.273 #    |
| 13) Dieldrin                | 7.783  | 8.591  | 1738004 | 986020  | 0.411    | 0.268 #    |
| 14) Endrin                  | 7.968  | 8.819  | 2348193 | 875114  | 0.777    | 0.328 #    |
| 15) 4,4'-DDD                | 8.011  | 8.849  | 1471713 | 1157648 | 0.441    | 0.412      |
| 16) Endosulfa...            | 8.094  | 8.935f | 3711254 | 3092409 | 1.148    | 1.054      |
| 17) 4,4'-DDT                | 8.178f | 9.065  | 3114591 | 1301265 | 1.008    | 0.490 #    |
| 18) Endrin Al...            | 8.418  | 9.178  | 2154689 | 2784741 | 0.654    | 0.978 #    |
| 19) Endosulfa...            | 8.697  | 9.380  | 1316727 | 1262228 | 0.455    | 0.483      |
| 20) Methoxychlor            | 8.532  | 9.561  | 1022128 | 3145055 | 0.674    | 2.121 #    |
| 21) Endrin Ke...            | 8.880  | 9.802  | 1200446 | 664831  | 0.519    | 0.297 #    |
| 23) Hexachlor...            | 3.178  | 3.774  | 16080   | 18046   | BelowCal | BelowCal   |
| 24) Hexachlor...            | 5.758  | 6.540  | 39081   | 12983   | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.251  | 8.018  | 697723  | 462365  | 0.020    | BelowCal # |
| 26) 2,4'-DDE                | 7.324  | 8.212  | 240150  | 503243  | BelowCal | 0.023      |
| 27) trans-Non...            | 7.490  | 8.289  | 855942  | 617807  | BelowCal | BelowCal   |
| 28) 2,4'-DDD                | 7.700  | 8.591  | 1176917 | 986020  | 0.332    | 0.296      |
| 29) 2,4'-DDT                | 7.884  | 8.796  | 1990379 | 1884624 | 0.676    | 0.735      |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:52 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172038.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:13  
 Operator : MJB  
 Sample : 0G17041-CALR  
 Misc : A20F064, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:01 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL      |
|-----|--------------|--------|--------|---------|---------|--------|------------|
| 30) | cis-Nonac... | 7.968  | 8.849  | 2348193 | 1157648 | 0.395  | 0.150 #    |
| 31) | Mirex        | 8.629  | 9.802f | 3727757 | 664831  | 1.139  | BelowCal # |
| 32) | Chlordane... | 7.401  | 8.212  | 404766  | 503243  | 0.895  | 1.139 #    |
| 33) | Chlordane... | 7.490  | 8.303  | 855942  | 582995  | 1.556  | 1.566      |
| 34) | Chlordane... | 8.036f | 9.002  | 1505760 | 5159111 | 10.382 | 38.687 #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.   | N.D.       |
| 36) | Toxaphene... | 7.490  | 8.551  | 855942  | 1583081 | 49.758 | 52.356     |
| 37) | Toxaphene... | 7.783  | 8.900  | 1738004 | 1974286 | 50.417 | 50.240     |
| 38) | Toxaphene... | 8.094  | 8.935  | 3711254 | 3092409 | 49.254 | 48.902     |
| 39) | Toxaphene... | 8.334  | 9.002  | 3700248 | 5159111 | 50.505 | 49.328     |
| 40) | Toxaphene... | 8.561  | 9.178  | 2695138 | 2784741 | 48.256 | 49.048     |
| 41) | Toxaphene... | 8.629  | 9.561  | 3727757 | 3145055 | 48.490 | 48.574     |
| 42) | Toxaphene... | 0.000  | 0.000  | 0       | 0       | N.D.   | N.D.       |

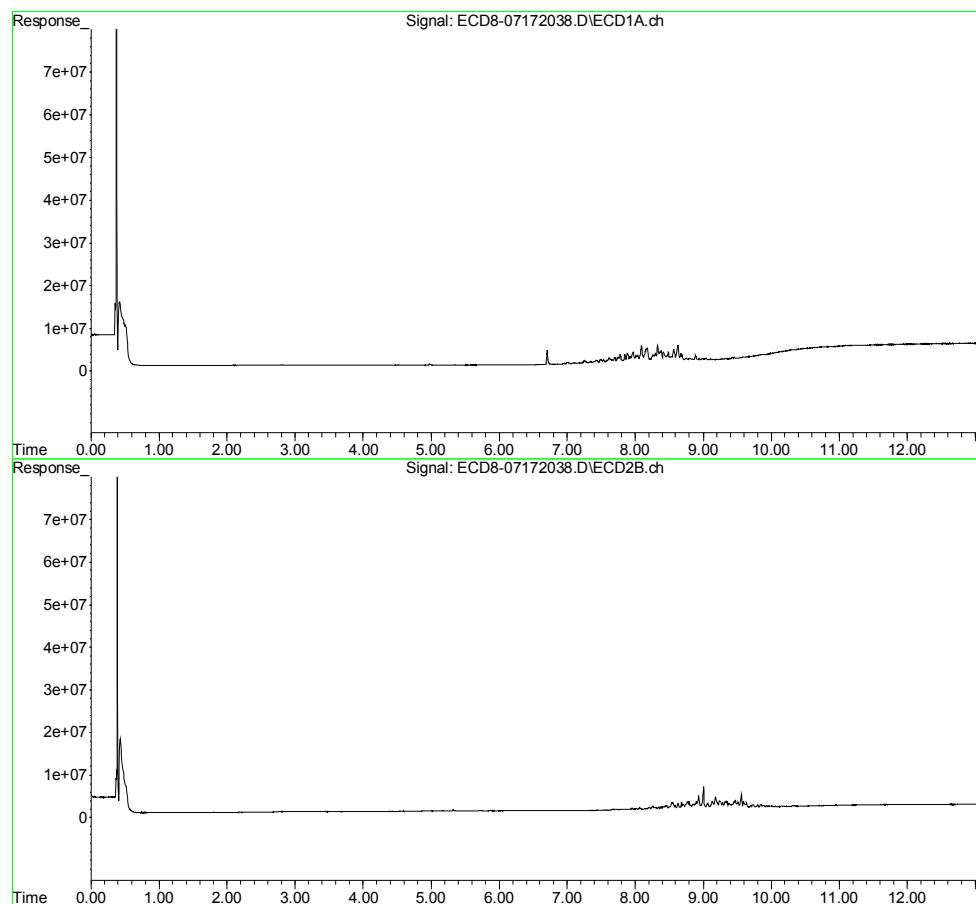


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172038.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:13  
Operator : MJB  
Sample : 0G17041-CALR  
Misc : A20F064, TOX 50 ppb  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:01 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172039.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:30  
 Operator : MJB  
 Sample : 0G17041-CALS  
 Misc : A20F065, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL    | ng/mL      |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| -----                       |        |        |         |         |          |            |
| System Monitoring Compounds |        |        |         |         |          |            |
| 1) S TCMX (S)               | 0.000  | 6.106f | 0       | 178791  | N.D.     | 0.051 #    |
| 22) S DCBP (S)              | 9.599  | 10.661 | 176777  | 299644  | BelowCal | BelowCal   |
| Target Compounds            |        |        |         |         |          |            |
| 2) a-BHC                    | 5.939  | 6.682  | 37667   | 31460   | 0.008    | 0.048 #    |
| 3) g-BHC                    | 6.222  | 7.006  | 17618   | 12148   | 0.004    | 0.002 #    |
| 4) b-BHC                    | 6.292  | 7.051  | 32952   | 47351   | 0.017    | 0.025 #    |
| 5) Heptachlor               | 6.625  | 7.377  | 47307   | 49741   | 0.011    | BelowCal # |
| 6) d-BHC                    | 6.448  | 7.314  | 27706   | 65427   | 0.007    | 0.049 #    |
| 7) Aldrin                   | 6.860  | 7.664f | 131845  | 349159  | 0.030    | 0.086 #    |
| 8) Heptachlo...             | 7.323  | 8.068  | 529057  | 962140  | 0.131    | 0.263 #    |
| 9) trans-Chl...             | 7.433  | 8.196f | 1263537 | 1111559 | 0.305    | 0.300 #    |
| 10) cis-Chlor...            | 7.523  | 8.347  | 828369  | 1224989 | 0.202    | 0.345 #    |
| 11) Endosulfa...            | 7.614  | 8.379  | 2247325 | 1485482 | 0.596    | 0.448 #    |
| 12) 4,4'-DDE                | 7.587  | 8.444  | 1034438 | 1682855 | 0.253    | 0.508 #    |
| 13) Dieldrin                | 7.782  | 8.591  | 3397116 | 1914297 | 0.803    | 0.521 #    |
| 14) Endrin                  | 7.970  | 8.797  | 4591898 | 3665012 | 1.519    | 1.481 #    |
| 15) 4,4'-DDD                | 8.011  | 8.846  | 2984390 | 2274695 | 0.894    | 0.802 #    |
| 16) Endosulfa...            | 8.094  | 8.958  | 7343945 | 1720254 | 2.271    | 0.586 #    |
| 17) 4,4'-DDT                | 8.222f | 9.065  | 1665272 | 2479363 | 0.539    | 0.948 #    |
| 18) Endrin Al...            | 8.381  | 9.179  | 4941417 | 5437553 | 1.501    | 1.910 #    |
| 19) Endosulfa...            | 8.697  | 9.380  | 2694449 | 2419604 | 0.930    | 0.968 #    |
| 20) Methoxychlor            | 8.532  | 9.560  | 2156589 | 6294054 | 1.423    | 4.245 #    |
| 21) Endrin Ke...            | 8.880  | 9.803  | 2096428 | 1294135 | 0.907    | 0.682 #    |
| 23) Hexachlor...            | 0.000  | 3.795f | 0       | 16000   | N.D.     | BelowCal   |
| 24) Hexachlor...            | 5.750  | 6.563f | 25845   | 80519   | BelowCal | BelowCal   |
| 25) Oxychlordan             | 7.251  | 8.019  | 1373591 | 871364  | 0.218    | 0.066 #    |
| 26) 2,4'-DDE                | 7.323  | 8.196  | 529057  | 1111559 | 0.027    | 0.299 #    |
| 27) trans-Non...            | 7.490  | 8.289  | 1712669 | 1160157 | 0.223    | 0.111 #    |
| 28) 2,4'-DDD                | 7.701  | 8.591  | 2461742 | 1914297 | 0.907    | 0.773 #    |
| 29) 2,4'-DDT                | 7.883  | 8.797  | 3921076 | 3665012 | 1.509    | 1.616 #    |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:52:56 2020

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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172039.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:30  
 Operator : MJB  
 Sample : 0G17041-CALS  
 Misc : A20F065, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1  | Resp#2  | ng/mL   | ng/mL      |
|-----|--------------|--------|--------|---------|---------|---------|------------|
| 30) | cis-Nonac... | 7.970  | 8.846  | 4591898 | 2274695 | 0.947   | 0.468 #    |
| 31) | Mirex        | 8.629  | 9.764  | 7361756 | 647973  | 2.530   | BelowCal # |
| 32) | Chlordane... | 7.400  | 8.196  | 847725  | 1111559 | 1.874   | 2.516 #    |
| 33) | Chlordane... | 7.523  | 8.302f | 828369  | 1093739 | 1.506   | 2.938 #    |
| 34) | Chlordane... | 8.033f | 9.002  | 3046059 | 9694013 | 21.002  | 80.946 #   |
| 35) | Chlordane... | 0.000  | 0.000  | 0       | 0       | N.D.    | N.D.       |
| 36) | Toxaphene... | 7.490  | 8.552  | 1712669 | 3003906 | 99.562  | 99.345     |
| 37) | Toxaphene... | 7.782  | 8.898  | 3397116 | 3932330 | 101.560 | 100.067    |
| 38) | Toxaphene... | 8.094  | 8.935  | 7343945 | 6129499 | 97.466  | 96.930     |
| 39) | Toxaphene... | 8.334  | 9.002  | 6896854 | 9694013 | 98.239  | 98.386     |
| 40) | Toxaphene... | 8.561  | 9.179  | 5572830 | 5437553 | 99.780  | 95.773     |
| 41) | Toxaphene... | 8.629  | 9.560  | 7361756 | 6294054 | 95.761  | 97.209     |
| 42) | Toxaphene... | 0.000  | 0.000  | 0       | 0       | N.D.    | N.D.       |

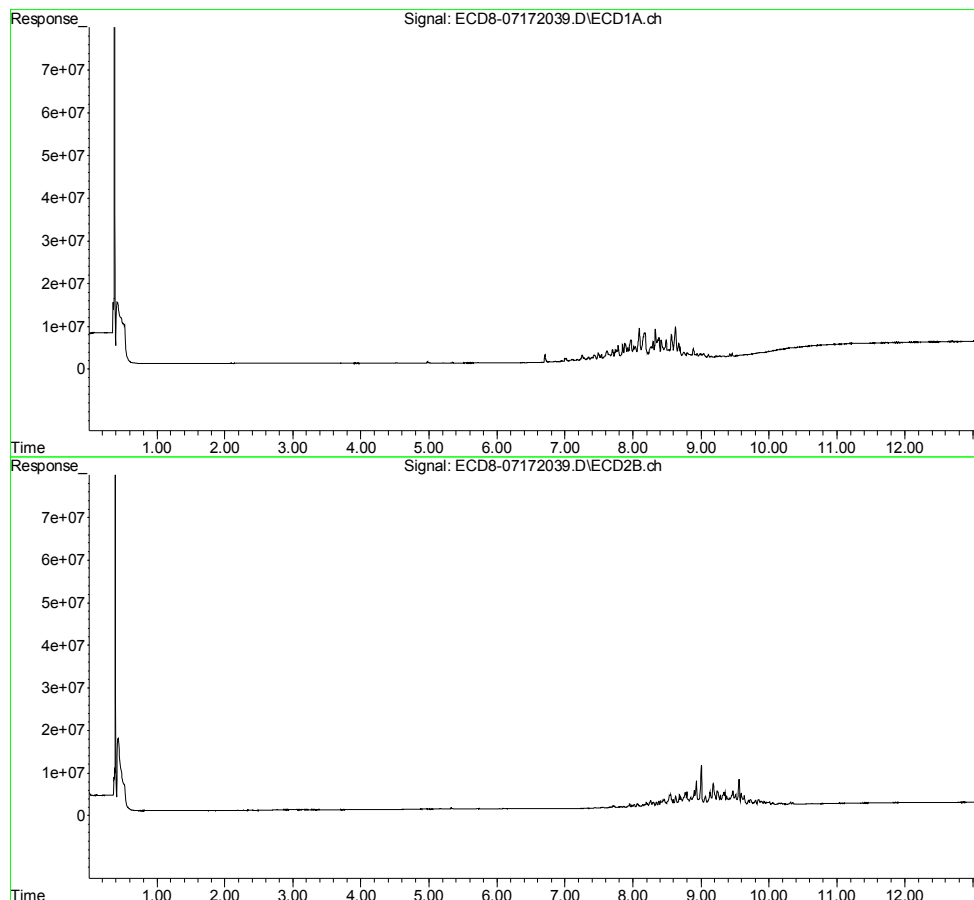


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172039.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:30  
Operator : MJB  
Sample : 0G17041-CALS  
Misc : A20F065, TOX 100 ppb  
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:13 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172040.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:46  
 Operator : MJB  
 Sample : 0G17041-CALT  
 Misc : A20F066, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|--------|----------|----------|----------|----------|
| -----                       |        |        |          |          |          |          |
| System Monitoring Compounds |        |        |          |          |          |          |
| 1) S TCMX (S)               | 0.000  | 6.057f | 0        | 19151    | N.D.     | 0.005 #  |
| 22) S DCBP (S)              | 9.597  | 10.653 | 206825   | 328465   | BelowCal | BelowCal |
| Target Compounds            |        |        |          |          |          |          |
| 2) a-BHC                    | 5.932  | 6.683  | 34642    | 47894    | 0.007    | 0.051 #  |
| 3) g-BHC                    | 6.222  | 6.992  | 38166    | 61798    | 0.009    | 0.015 #  |
| 4) b-BHC                    | 6.296  | 7.071  | 51163    | 18968    | 0.026    | 0.010 #  |
| 5) Heptachlor               | 6.623  | 7.378  | 96281    | 132056   | 0.023    | 0.001 #  |
| 6) d-BHC                    | 6.459  | 7.315  | 77897    | 138749   | 0.019    | 0.069 #  |
| 7) Aldrin                   | 6.861  | 7.663  | 292064   | 613425   | 0.067    | 0.159 #  |
| 8) Heptachlo...             | 7.324  | 8.069  | 1084145  | 1884353  | 0.268    | 0.515 #  |
| 9) trans-Chl...             | 7.433  | 8.195f | 2500004  | 2151916  | 0.604    | 0.581    |
| 10) cis-Chlor...            | 7.537  | 8.347  | 2883138  | 2336090  | 0.703    | 0.658    |
| 11) Endosulfa...            | 7.614  | 8.379  | 4527771  | 2789257  | 1.200    | 0.842 #  |
| 12) 4,4'-DDE                | 7.587  | 8.443  | 2198354  | 3216190  | 0.538    | 0.954 #  |
| 13) Dieldrin                | 7.781  | 8.590  | 6458181  | 3583132  | 1.527    | 0.974 #  |
| 14) Endrin                  | 7.970  | 8.818  | 9013545  | 3479257  | 2.981    | 1.405 #  |
| 15) 4,4'-DDD                | 8.010  | 8.848  | 5940457  | 4422561  | 1.779    | 1.551    |
| 16) Endosulfa...            | 8.093  | 8.935f | 14476901 | 11772898 | 4.477    | 4.013    |
| 17) 4,4'-DDT                | 8.220f | 9.065  | 3485058  | 4862321  | 1.128    | 1.870 #  |
| 18) Endrin Al...            | 8.419  | 9.179  | 8721480  | 10508119 | 2.649    | 3.691 #  |
| 19) Endosulfa...            | 8.697  | 9.380  | 5531637  | 4745283  | 1.910    | 1.942    |
| 20) Methoxychlor            | 8.531  | 9.561  | 4448946  | 11966817 | 2.936    | 8.070 #  |
| 21) Endrin Ke...            | 8.881  | 9.803  | 3984203  | 2459527  | 1.724    | 1.392    |
| 23) Hexachlor...            | 3.172  | 3.771  | 4904     | 15952    | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.757  | 6.537  | 28824    | 22650    | BelowCal | BelowCal |
| 25) Oxychlorane             | 7.251  | 8.020  | 2687076  | 1654916  | 0.602    | 0.339 #  |
| 26) 2,4'-DDE                | 7.324  | 8.195  | 1084145  | 2151916  | 0.244    | 0.772 #  |
| 27) trans-Non...            | 7.490  | 8.289  | 3430159  | 2184732  | 0.681    | 0.434 #  |
| 28) 2,4'-DDD                | 7.701  | 8.590  | 4827149  | 3583132  | 1.967    | 1.631    |
| 29) 2,4'-DDT                | 7.883  | 8.796  | 7699086  | 7013666  | 3.138    | 3.267    |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:53:00 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172040.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:46  
 Operator : MJB  
 Sample : 0G17041-CALT  
 Misc : A20F066, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL     |
|-----|--------------|--------|--------|----------|----------|---------|-----------|
| 30) | cis-Nonac... | 7.970  | 8.848  | 9013545  | 4422561  | 2.037   | 1.079 #   |
| 31) | Mirex        | 8.629  | 9.803f | 14740876 | 2459527  | 5.354   | 0.755 #   |
| 32) | Chlordane... | 7.399  | 8.195f | 1766813  | 2151916  | 3.905   | 4.871     |
| 33) | Chlordane... | 7.490  | 8.303  | 3430159  | 2137384  | 6.234   | 5.742     |
| 34) | Chlordane... | 8.033f | 9.002  | 6096883  | 19284549 | 42.037  | 169.029 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |
| 36) | Toxaphene... | 7.490  | 8.551  | 3430159  | 5816913  | 199.405 | 192.377   |
| 37) | Toxaphene... | 7.781  | 8.899  | 6458181  | 7444456  | 196.029 | 189.441   |
| 38) | Toxaphene... | 8.093  | 8.935  | 14476901 | 11772898 | 192.132 | 186.172   |
| 39) | Toxaphene... | 8.334  | 9.002  | 13583543 | 19284549 | 197.476 | 200.400   |
| 40) | Toxaphene... | 8.561  | 9.179  | 10740544 | 10508119 | 192.306 | 185.082   |
| 41) | Toxaphene... | 8.629  | 9.561  | 14740876 | 11966817 | 191.747 | 184.822   |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |

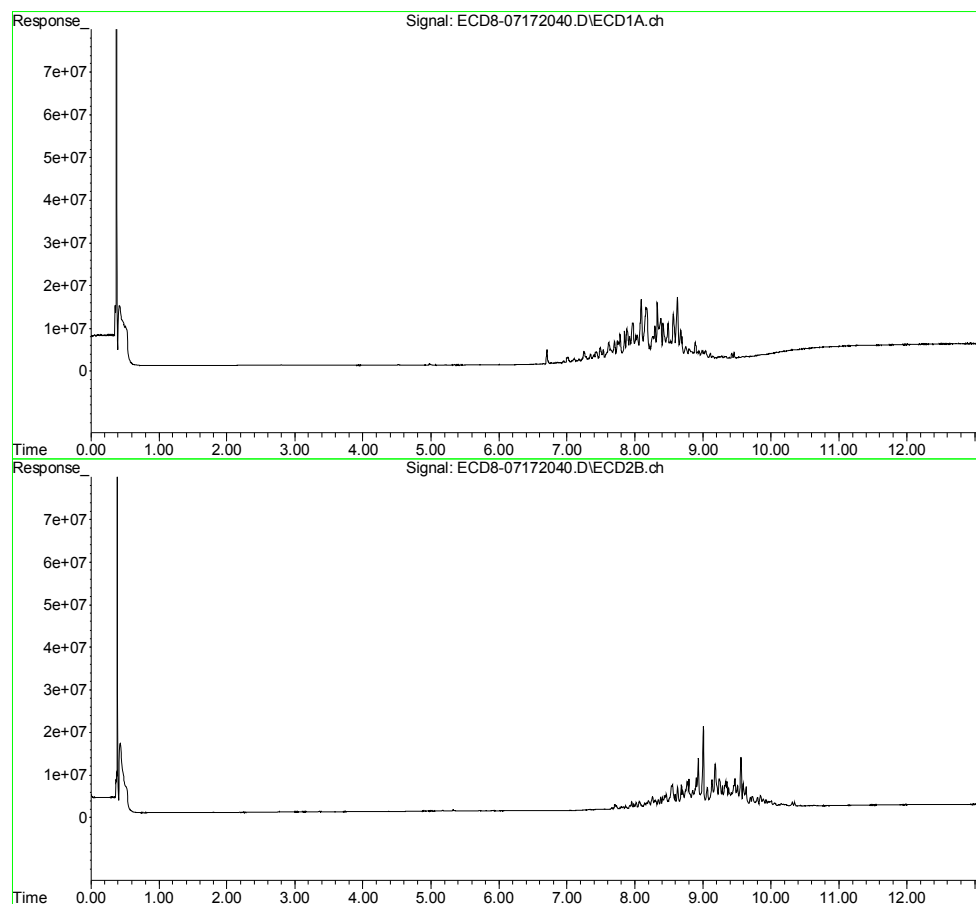
✓

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172040.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:46  
Operator : MJB  
Sample : 0G17041-CALT  
Misc : A20F066, TOX 200 ppb  
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172041.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:03  
 Operator : MJB  
 Sample : 0G17041-CALU  
 Misc : A20D430, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:34 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|---------|----------|----------|----------|----------|
| -----                       |        |         |          |          |          |          |
| System Monitoring Compounds |        |         |          |          |          |          |
| 1) S TCMX (S)               | 5.405  | 6.105f  | 21845    | 64734    | 0.006    | 0.018 #  |
| 22) S DCBP (S)              | 9.596  | 10.631f | 440381   | 727383   | BelowCal | 0.106    |
| Target Compounds            |        |         |          |          |          |          |
| 2) a-BHC                    | 5.928  | 6.680   | 66662    | 90020    | 0.014    | 0.061 #  |
| 3) g-BHC                    | 6.221  | 6.994   | 64532    | 126278   | 0.015    | 0.032 #  |
| 4) b-BHC                    | 6.288  | 7.072   | 89561    | 57725    | 0.045    | 0.031 #  |
| 5) Heptachlor               | 6.624  | 7.375   | 253305   | 332333   | 0.060    | 0.053    |
| 6) d-BHC                    | 6.458  | 7.315   | 159340   | 270465   | 0.039    | 0.104 #  |
| 7) Aldrin                   | 6.860  | 7.663   | 764372   | 1110008  | 0.175    | 0.295 #  |
| 8) Heptachlo...             | 7.323  | 8.067   | 2807801  | 4421352  | 0.693    | 1.208 #  |
| 9) trans-Chl...             | 7.434  | 8.195f  | 6095323  | 5014330  | 1.473    | 1.353    |
| 10) cis-Chlor...            | 7.538  | 8.347   | 7095490  | 5552758  | 1.730    | 1.565    |
| 11) Endosulfa...            | 7.611  | 8.378   | 10873908 | 6622026  | 2.882    | 1.999 #  |
| 12) 4,4'-DDE                | 7.586  | 8.443   | 5463743  | 7705412  | 1.336    | 2.255 #  |
| 13) Dieldrin                | 7.782  | 8.590   | 16374887 | 8611396  | 3.872    | 2.341 #  |
| 14) Endrin                  | 7.969  | 8.796   | 23354602 | 17924734 | 7.724    | 7.304    |
| 15) 4,4'-DDD                | 8.010  | 8.847   | 15282780 | 11091629 | 4.576    | 3.864    |
| 16) Endosulfa...            | 8.093  | 8.934f  | 37356847 | 30086909 | 11.552   | 10.255   |
| 17) 4,4'-DDT                | 8.221f | 9.065   | 9292139  | 12544386 | 3.007    | 4.817 #  |
| 18) Endrin Al...            | 8.419  | 9.177   | 22493269 | 27180276 | 6.831    | 9.548 #  |
| 19) Endosulfa...            | 8.696  | 9.379   | 14742384 | 12379035 | 5.090    | 5.116    |
| 20) Methoxychlor            | 8.531  | 9.560   | 12002884 | 30729756 | 7.920    | 20.724 # |
| 21) Endrin Ke...            | 8.880  | 9.801   | 10522852 | 6398639  | 4.552    | 3.776    |
| 23) Hexachlor...            | 0.000  | 3.794f  | 0        | 131239   | N.D.     | BelowCal |
| 24) Hexachlor...            | 5.759  | 6.540   | 61295    | 26840    | BelowCal | BelowCal |
| 25) Oxychlordan             | 7.250  | 8.020   | 6674686  | 3675953  | 1.769    | 1.042 #  |
| 26) 2,4'-DDE                | 7.323  | 8.195   | 2807801  | 5014330  | 0.919    | 2.068 #  |
| 27) trans-Non...            | 7.489  | 8.289   | 8796735  | 5191727  | 2.111    | 1.381 #  |
| 28) 2,4'-DDD                | 7.700  | 8.590   | 11928224 | 8611396  | 5.144    | 4.202    |
| 29) 2,4'-DDT                | 7.882  | 8.796   | 19857860 | 17924734 | 8.368    | 8.594    |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:53:04 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172041.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:03  
 Operator : MJB  
 Sample : 0G17041-CALU  
 Misc : A20D430, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:34 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL     |
|-----|--------------|--------|--------|----------|----------|---------|-----------|
| 30) | cis-Nonac... | 7.969  | 8.847  | 23354602 | 11091629 | 5.567   | 2.970 #   |
| 31) | Mirex        | 8.629  | 9.801f | 37486003 | 6398639  | 14.065  | 2.623 #   |
| 32) | Chlordane... | 7.400  | 8.195f | 4567743  | 5014330  | 10.097  | 11.350    |
| 33) | Chlordane... | 7.489  | 8.302f | 8796735  | 4878219  | 15.988  | 13.105    |
| 34) | Chlordane... | 8.032f | 9.001  | 16194843 | 50161527 | 111.660 | 441.742 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |
| 36) | Toxaphene... | 7.489  | 8.550  | 8796735  | 14204287 | 511.380 | 469.764   |
| 37) | Toxaphene... | 7.782  | 8.898  | 16374887 | 18865554 | 503.059 | 480.077   |
| 38) | Toxaphene... | 8.093  | 8.934  | 37356847 | 30086909 | 495.786 | 475.783   |
| 39) | Toxaphene... | 8.333  | 9.001  | 35167753 | 50161527 | 512.363 | 514.364   |
| 40) | Toxaphene... | 8.561  | 9.177  | 28126951 | 27180276 | 503.605 | 478.732   |
| 41) | Toxaphene... | 8.629  | 9.560  | 37486003 | 30729756 | 487.612 | 474.608   |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |

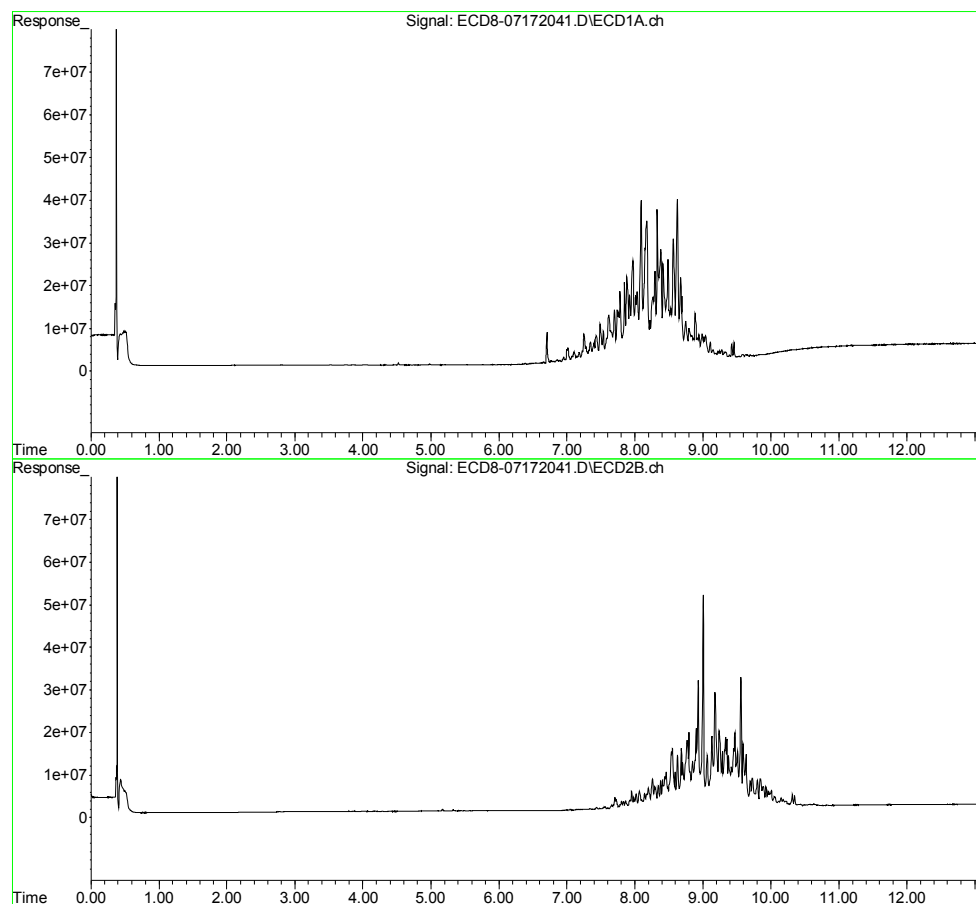


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172041.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:03  
Operator : MJB  
Sample : 0G17041-CALU  
Misc : A20D430, TOX 500 ppb  
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:34 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172042.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:19  
 Operator : MJB  
 Sample : 0G17041-CALV  
 Misc : A20D431, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|---------|----------|----------|----------|----------|
| -----                       |        |         |          |          |          |          |
| System Monitoring Compounds |        |         |          |          |          |          |
| 1) S TCMX (S)               | 5.403  | 6.081   | 49800    | 15082    | 0.013    | 0.004 #  |
| 22) S DCBP (S)              | 9.583  | 10.632f | 1232816  | 1242064  | 0.182    | 0.358 #  |
| Target Compounds            |        |         |          |          |          |          |
| 2) a-BHC                    | 5.927  | 6.680   | 139052   | 170057   | 0.028    | 0.079 #  |
| 3) g-BHC                    | 6.224  | 6.991   | 130361   | 309584   | 0.029    | 0.079 #  |
| 4) b-BHC                    | 6.290  | 7.072   | 189693   | 161700   | 0.096    | 0.086    |
| 5) Heptachlor               | 6.623  | 7.375   | 545158   | 685052   | 0.129    | 0.146    |
| 6) d-BHC                    | 6.458  | 7.315   | 344518   | 550078   | 0.084    | 0.177 #  |
| 7) Aldrin                   | 6.859  | 7.664   | 1539918  | 2071707  | 0.353    | 0.557 #  |
| 8) Heptachlo...             | 7.322  | 8.069   | 5585405  | 8167944  | 1.379    | 2.231 #  |
| 9) trans-Chl...             | 7.433  | 8.196f  | 11830543 | 9915281  | 2.859    | 2.676    |
| 10) cis-Chlor...            | 7.537  | 8.347   | 14003719 | 10954674 | 3.415    | 3.088    |
| 11) Endosulfa...            | 7.612  | 8.379   | 21280729 | 13101117 | 5.640    | 3.955 #  |
| 12) 4,4'-DDE                | 7.586  | 8.443   | 11018917 | 15766380 | 2.695    | 4.576 #  |
| 13) Dieldrin                | 7.781  | 8.590   | 31839970 | 16461991 | 7.529    | 4.476 #  |
| 14) Endrin                  | 7.967  | 8.818   | 47115425 | 17885556 | 15.582   | 7.288 #  |
| 15) 4,4'-DDD                | 8.009  | 8.848   | 30047574 | 22789685 | 8.996    | 7.877    |
| 16) Endosulfa...            | 8.092  | 8.935f  | 75044752 | 62596333 | 23.207   | 21.337   |
| 17) 4,4'-DDT                | 8.221f | 9.065   | 18334276 | 25762093 | 5.934    | 9.802 #  |
| 18) Endrin Al...            | 8.418  | 9.179   | 44605675 | 55665323 | 13.547   | 19.554 # |
| 19) Endosulfa...            | 8.696  | 9.380   | 29882381 | 24955197 | 10.317   | 10.275   |
| 20) Methoxychlor            | 8.530  | 9.561   | 24692708 | 63102776 | 16.293   | 42.557 # |
| 21) Endrin Ke...            | 8.880  | 9.803   | 20504486 | 13056470 | 8.871    | 7.751    |
| 23) Hexachlor...            | 0.000  | 3.794f  | 0        | 120767   | N.D.     | BelowCal |
| 24) Hexachlor...            | 5.745f | 6.536   | 25359    | 73106    | BelowCal | BelowCal |
| 25) Oxychlordan             | 7.251  | 8.020   | 12957129 | 6993204  | 3.608    | 2.194 #  |
| 26) 2,4'-DDE                | 7.322  | 8.196   | 5585405  | 9915281  | 2.006    | 4.277 #  |
| 27) trans-Non...            | 7.488  | 8.289   | 17086458 | 10100285 | 4.321    | 2.923 #  |
| 28) 2,4'-DDD                | 7.700  | 8.590   | 24227646 | 16461991 | 10.640   | 8.182    |
| 29) 2,4'-DDT                | 7.882  | 8.797   | 40556470 | 37196252 | 17.226   | 17.812   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:53:08 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172042.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:19  
 Operator : MJB  
 Sample : 0G17041-CALV  
 Misc : A20D431, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL     |
|-----|--------------|--------|--------|----------|----------|---------|-----------|
| 30) | cis-Nonac... | 7.967  | 8.848  | 47115425 | 22789685 | 11.407  | 6.268 #   |
| 31) | Mirex        | 8.628  | 9.803f | 75247744 | 13056470 | 28.551  | 5.766 #   |
| 32) | Chlordane... | 7.399  | 8.196  | 9061831  | 9915281  | 20.031  | 22.442    |
| 33) | Chlordane... | 7.488f | 8.302f | 17086458 | 9515974  | 31.055  | 25.565    |
| 34) | Chlordane... | 8.031f | 9.003  | 32648194 | 101.9E6  | 225.102 | 866.755 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |
| 36) | Toxaphene... | 7.488  | 8.551  | 17086458 | 29203436 | 993.286 | 965.815   |
| 37) | Toxaphene... | 7.781  | 8.899  | 31839970 | 38505672 | 984.924 | 979.865   |
| 38) | Toxaphene... | 8.092  | 8.935  | 75044752 | 62596333 | 995.965 | 989.874   |
| 39) | Toxaphene... | 8.333  | 9.003  | 69598117 | 101.9E6  | 998.668 | 998.957   |
| 40) | Toxaphene... | 8.560  | 9.179  | 55357585 | 55665323 | 991.162 | 980.446   |
| 41) | Toxaphene... | 8.628  | 9.561  | 75247744 | 63102776 | 978.811 | 974.595   |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.    | N.D.      |

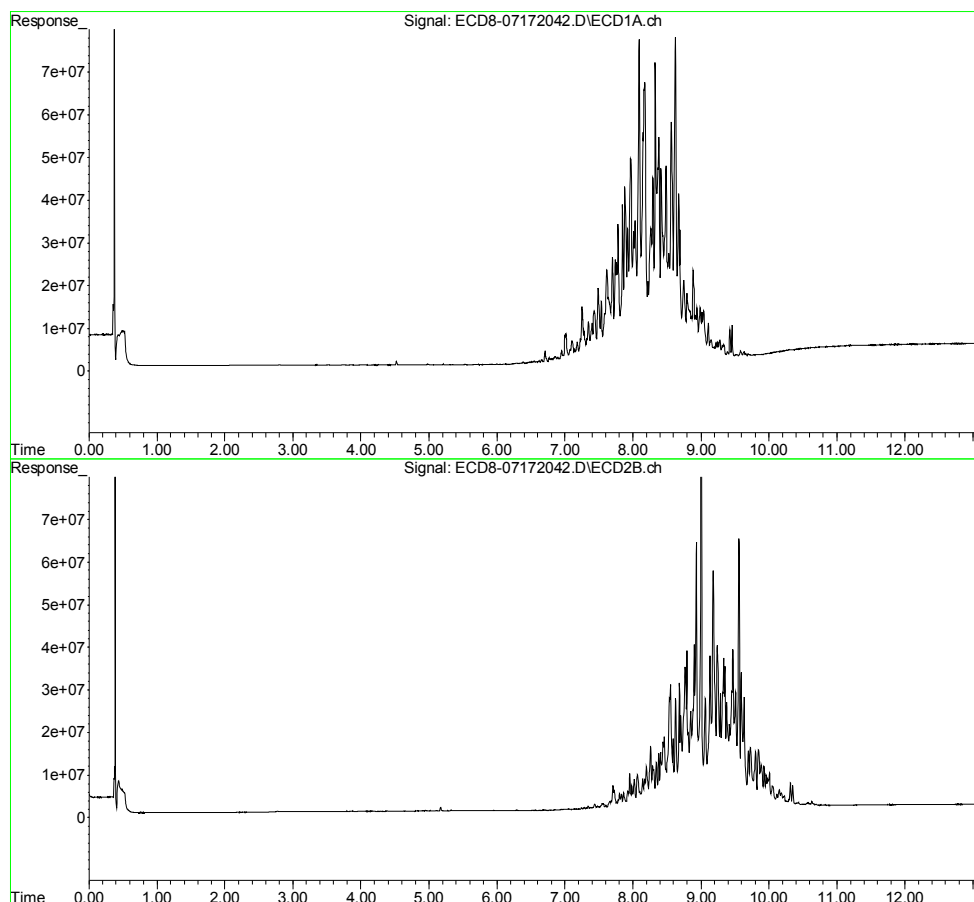
✓

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172042.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:19  
Operator : MJB  
Sample : 0G17041-CALV  
Misc : A20D431, TOX 1000 ppb  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:47 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172043.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:36  
 Operator : MJB  
 Sample : 0G17041-CALW  
 Misc : A20F063, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:57 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----------------------------|--------|---------|----------|----------|----------|----------|
| -----                       |        |         |          |          |          |          |
| System Monitoring Compounds |        |         |          |          |          |          |
| 1) S TCMX (S)               | 5.376  | 6.103f  | 20320    | 151834   | 0.005    | 0.043 #  |
| 22) S DCBP (S)              | 9.583  | 10.632f | 2873211  | 2473961  | 0.725    | 0.958 #  |
| Target Compounds            |        |         |          |          |          |          |
| 2) a-BHC                    | 5.927  | 6.682   | 265336   | 354621   | 0.054    | 0.121 #  |
| 3) g-BHC                    | 6.224  | 6.992   | 240591   | 596147   | 0.054    | 0.153 #  |
| 4) b-BHC                    | 6.295  | 7.075   | 306397   | 331087   | 0.154    | 0.176    |
| 5) Heptachlor               | 6.624  | 7.375   | 1114153  | 1256992  | 0.263    | 0.296    |
| 6) d-BHC                    | 6.458  | 7.315   | 651641   | 947427   | 0.158    | 0.282 #  |
| 7) Aldrin                   | 6.859  | 7.663   | 2974327  | 3796373  | 0.682    | 1.028 #  |
| 8) Heptachlo...             | 7.322  | 8.069   | 10985778 | 16635497 | 2.713    | 4.544 #  |
| 9) trans-Chl...             | 7.433  | 8.196f  | 24061675 | 19717828 | 5.815    | 5.321    |
| 10) cis-Chlor...            | 7.536  | 8.346   | 28854678 | 22322395 | 7.036    | 6.292    |
| 11) Endosulfa...            | 7.612  | 8.378   | 43330527 | 27081666 | 11.484   | 8.176 #  |
| 12) 4,4'-DDE                | 7.585  | 8.443   | 22118413 | 31124420 | 5.410    | 8.947 #  |
| 13) Dieldrin                | 7.780  | 8.590   | 64472521 | 34599531 | 15.245   | 9.408 #  |
| 14) Endrin                  | 7.968  | 8.818   | 95587943 | 37569305 | 31.613   | 15.144 # |
| 15) 4,4'-DDD                | 8.008  | 8.848   | 62560661 | 48844450 | 18.731   | 16.629   |
| 16) Endosulfa...            | 8.091  | 8.935f  | 153.6E6  | 131.1E6  | 47.500   | 44.675   |
| 17) 4,4'-DDT                | 8.221f | 9.064   | 38488083 | 54471480 | 12.456   | 20.279 # |
| 18) Endrin Al...            | 8.418  | 9.178   | 94625444 | 120.4E6  | 28.737   | 42.295 # |
| 19) Endosulfa...            | 8.696  | 9.380   | 62314464 | 53065729 | 21.515   | 21.509   |
| 20) Methoxychlor            | 8.530  | 9.560   | 52015538 | 139.0E6  | 34.322   | 93.740 # |
| 21) Endrin Ke...            | 8.879  | 9.802   | 42773452 | 27916149 | 18.505   | 16.389   |
| 23) Hexachlor...            | 3.175  | 3.776   | 4199     | 10669    | BelowCal | BelowCal |
| 24) Hexachlor...            | 5.765  | 6.533   | 36088    | 144197   | BelowCal | BelowCal |
| 25) Oxychlordan             | 7.251  | 8.020   | 26267603 | 13456083 | 7.504    | 4.429 #  |
| 26) 2,4'-DDE                | 7.322  | 8.196   | 10985778 | 19717828 | 4.117    | 8.657 #  |
| 27) trans-Non...            | 7.488  | 8.289   | 35038178 | 20598633 | 9.104    | 6.200 #  |
| 28) 2,4'-DDD                | 7.699  | 8.590   | 49775400 | 34599531 | 22.021   | 17.220   |
| 29) 2,4'-DDT                | 7.882  | 8.796   | 83074792 | 78700372 | 35.254   | 36.918   |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 14:53:12 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
 Data File : ECD8-07172043.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:36  
 Operator : MJB  
 Sample : 0G17041-CALW  
 Misc : A20F063, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 14:49:57 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:56:10 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/mL    | ng/mL      |
|-----|--------------|--------|--------|----------|----------|----------|------------|
| 30) | cis-Nonac... | 7.968  | 8.848  | 95587943 | 48844450 | 23.289   | 13.524 #   |
| 31) | Mirex        | 8.627  | 9.802f | 158.1E6  | 27916149 | 60.442   | 12.721 #   |
| 32) | Chlordane... | 7.433  | 8.196  | 24061675 | 19717828 | 53.188   | 44.630     |
| 33) | Chlordane... | 7.488f | 8.346f | 35038178 | 22322395 | 63.682   | 59.970     |
| 34) | Chlordane... | 8.031f | 9.002  | 67870545 | 222.9E6  | 467.952  | 1748.493 # |
| 35) | Chlordane... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.       |
| 36) | Toxaphene... | 7.488  | 8.550  | 35038178 | 59422474 | 2036.872 | 1965.218   |
| 37) | Toxaphene... | 7.780  | 8.898  | 64472521 | 82837414 | 2014.267 | 2107.989   |
| 38) | Toxaphene... | 8.091  | 8.935  | 153.6E6  | 131.1E6  | 2038.551 | 2072.633   |
| 39) | Toxaphene... | 8.333  | 9.002  | 144.2E6  | 222.9E6  | 1993.488 | 1991.165   |
| 40) | Toxaphene... | 8.560  | 9.178  | 117.9E6  | 120.4E6  | 2111.195 | 2120.711   |
| 41) | Toxaphene... | 8.627  | 9.560  | 158.1E6  | 139.0E6  | 2056.839 | 2146.742   |
| 42) | Toxaphene... | 0.000  | 0.000  | 0        | 0        | N.D.     | N.D.       |

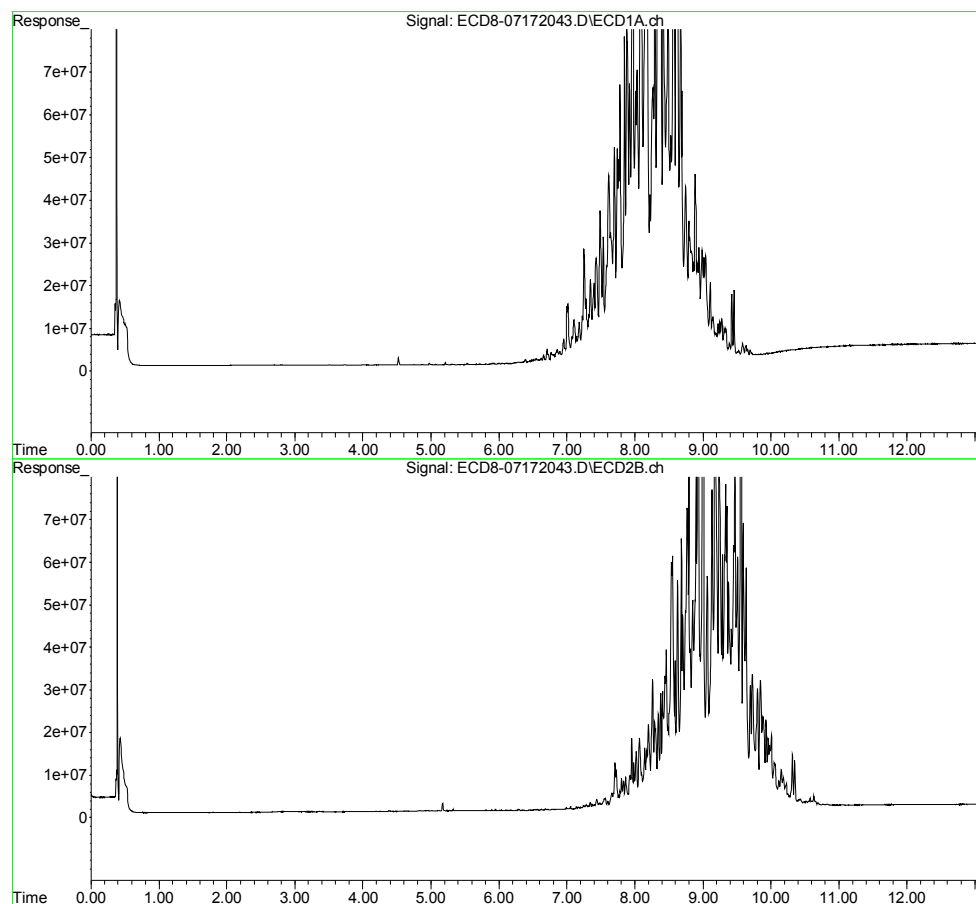


(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\REQUANT\  
Data File : ECD8-07172043.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:36  
Operator : MJB  
Sample : 0G17041-CALW  
Misc : A20F063, TOX 2000 ppb  
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 14:49:57 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:56:10 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\0G17041.s  
 Comment: Pesticides  
 Operator: MJB  
 Data Path: C:\MSDCHEM\1\DATA\2020-07\0G17041\  
 Instrument Control Pre-Seq Cmd:  
 Data Analysis Pre-Seq Cmd:  
 Instrument Control Post-Seq Cmd:  
 Data Analysis Post-Seq Cmd:

Method Sections To Run      Sequence Barcode Options  
 (X) Full Method              (X) On Mismatch, Inject Anyway  
 ( ) Reprocessing Only        ( ) On Mismatch, Don't Inject  
                                   ( ) Barcode Disabled

| Line       | Sample Name/Misc Info   |
|------------|---|
| 1) Sample  | 1 Hexane  |
| Datafile   | ECD8-07172001   |
| Method     | ECD8_AQUPEST_190925   |
| 2) Sample  | 1 Hexane  |
| Datafile   | ECD8-07172002   |
| Method     | ECD8_AQUPEST_190925   |
| 3) Sample  | 3 0G17041-BKD1 → Sequencing error.                            |
| Datafile   | ECD8-07172003   |
| Method     | ECD8_AQUPEST_190925   |
| 4) Sample  | 3 0G17041- <del>ICB1</del> BKD1 <small>MJB 7/20/20</small>    |
| Datafile   | ECD8-07172004   |
| Method     | ECD8_AQUPEST_190925   |
| 5) Sample  | 3 0G17041-ICB1  |
| Datafile   | ECD8-07172005   |
| Method     | ECD8_AQUPEST_190925   |
| 6) Sample  | 4 0G17041-CAL1 <span style="float: right;">MJB 7/20/20</span> |
| Datafile   | ECD8-07172006   |
| Method     | ECD8_AQUPEST_190925   |
| 7) Sample  | 5 0G17041-CAL2  |
| Datafile   | ECD8-07172007   |
| Method     | ECD8_AQUPEST_190925   |
| 8) Sample  | 6 0G17041-CAL3  |
| Datafile   | ECD8-07172008   |
| Method     | ECD8_AQUPEST_190925   |
| 9) Sample  | 7 0G17041-CAL4  |
| Datafile   | ECD8-07172009   |
| Method     | ECD8_AQUPEST_190925   |
| 10) Sample | 8 0G17041-CAL5  |
| Datafile   | ECD8-07172010   |
| Method     | ECD8_AQUPEST_190925   |
| 11) Sample | 9 0G17041-CAL6  |
| Datafile   | ECD8-07172011   |
| Method     | ECD8_AQUPEST_190925   |
| 12) Sample | 10 0G17041-CAL7   |
| Datafile   | ECD8-07172012   |
| Method     | ECD8_AQUPEST_190925   |
| 13) Sample | 11 0G17041-CAL8   |
| Datafile   | ECD8-07172013   |
| Method     | ECD8_AQUPEST_190925   |
| 14) Sample | 12 0G17041-CAL9   |

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|     |          |    |                     |
|-----|----------|----|---------------------|
|     | Datafile |    | ECD8-07172014       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 15) | Sample   | 1  | OG17041-IBL1        |
|     | Datafile |    | ECD8-07172015       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 16) | Sample   | 13 | OG17041-ICV1        |
|     | Datafile |    | ECD8-07172016       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 17) | Sample   | 14 | OG17041-CALA        |
|     | Datafile |    | ECD8-07172017       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 18) | Sample   | 15 | OG17041-CALB        |
|     | Datafile |    | ECD8-07172018       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 19) | Sample   | 16 | OG17041-CALC        |
|     | Datafile |    | ECD8-07172019       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 20) | Sample   | 17 | OG17041-CALD        |
|     | Datafile |    | ECD8-07172020       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 21) | Sample   | 18 | OG17041-CALE        |
|     | Datafile |    | ECD8-07172021       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 22) | Sample   | 19 | OG17041-CALF        |
|     | Datafile |    | ECD8-07172022       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 23) | Sample   | 20 | OG17041-CALG        |
|     | Datafile |    | ECD8-07172023       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 24) | Sample   | 21 | OG17041-CALH        |
|     | Datafile |    | ECD8-07172024       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 25) | Sample   | 22 | OG17041-CALI        |
|     | Datafile |    | ECD8-07172025       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 26) | Sample   | 1  | OG17041-IBL2        |
|     | Datafile |    | ECD8-07172026       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 27) | Sample   | 23 | OG17041-ICV2        |
|     | Datafile |    | ECD8-07172027       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 28) | Sample   | 24 | OG17041-CALJ        |
|     | Datafile |    | ECD8-07172028       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 29) | Sample   | 25 | OG17041-CALK        |
|     | Datafile |    | ECD8-07172029       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 30) | Sample   | 26 | OG17041-CALL        |
|     | Datafile |    | ECD8-07172030       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 31) | Sample   | 27 | OG17041-CALM        |
|     | Datafile |    | ECD8-07172031       |
|     | Method   |    | ECD8_AQUPEST_190925 |
| 32) | Sample   | 28 | OG17041-CALN        |
|     | Datafile |    | ECD8-07172032       |
|     | Method   |    | ECD8_AQUPEST_190925 |

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|            |    |                     |
|------------|----|---------------------|
| 33) Sample | 29 | OG17041-CALO        |
| Datafile   |    | ECD8-07172033       |
| Method     |    | ECD8_AQUPEST_190925 |
| 34) Sample | 30 | OG17041-CALP        |
| Datafile   |    | ECD8-07172034       |
| Method     |    | ECD8_AQUPEST_190925 |
| 35) Sample | 1  | OG17041-IBL3        |
| Datafile   |    | ECD8-07172035       |
| Method     |    | ECD8_AQUPEST_190925 |
| 36) Sample | 31 | OG17041-ICV3        |
| Datafile   |    | ECD8-07172036       |
| Method     |    | ECD8_AQUPEST_190925 |
| 37) Sample | 32 | OG17041-CALQ        |
| Datafile   |    | ECD8-07172037       |
| Method     |    | ECD8_AQUPEST_190925 |
| 38) Sample | 33 | OG17041-CALR        |
| Datafile   |    | ECD8-07172038       |
| Method     |    | ECD8_AQUPEST_190925 |
| 39) Sample | 34 | OG17041-CALS        |
| Datafile   |    | ECD8-07172039       |
| Method     |    | ECD8_AQUPEST_190925 |
| 40) Sample | 35 | OG17041-CALT        |
| Datafile   |    | ECD8-07172040       |
| Method     |    | ECD8_AQUPEST_190925 |
| 41) Sample | 36 | OG17041-CALU        |
| Datafile   |    | ECD8-07172041       |
| Method     |    | ECD8_AQUPEST_190925 |
| 42) Sample | 37 | OG17041-CALV        |
| Datafile   |    | ECD8-07172042       |
| Method     |    | ECD8_AQUPEST_190925 |
| 43) Sample | 38 | OG17041-CALW        |
| Datafile   |    | ECD8-07172043       |
| Method     |    | ECD8_AQUPEST_190925 |

Sequence Name: C:\msdchem\1\sequence\0G17041.s

| Line | Type     | Vial | DataFile            | Method | Sample Name |
|------|----------|------|---------------------|--------|-------------|
| 44)  | Sample   | 1    | 0G17041-IBL4        |        |             |
|      | Datafile |      | ECD8-07172044       |        |             |
|      | Method   |      | ECD8_AQUPEST_190925 |        |             |
| 45)  | Sample   | 39   | 0G17041-ICV4        |        |             |
|      | Datafile |      | ECD8-07172045       |        |             |
|      | Method   |      | ECD8_AQUPEST_190925 |        |             |

Pesticide BKD

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

Sequence: 0G17041 BKD1  
Data File: ECD8-07172004.D

| First Column Area Counts |            | Percent Breakdown |      |
|--------------------------|------------|-------------------|------|
| DDE                      | 19662502   |                   |      |
| DDD                      | 84623664   |                   |      |
| DDT                      | 2828546549 | 3.56              | PASS |
| Endrin                   | 1468789414 | 13.44             | PASS |
| Endrin Aldehyde          | 140490992  |                   |      |
| Endrin Ketone            | 87551419   |                   |      |

*MJB 7/20/20*

| Second Column Area Counts |            | Percent Breakdown |      |
|---------------------------|------------|-------------------|------|
| DDE                       | 21575856   |                   |      |
| DDD                       | 74962297   |                   |      |
| DDT                       | 2726504598 | 3.42              | PASS |
| Endrin                    | 1294671022 | 9.59              | PASS |
| Endrin Aldehyde           | 80030485   |                   |      |
| Endrin Ketone             | 57279877   |                   |      |

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172004.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 17:51  
 Operator : MJB  
 Sample : 0G17041-BKD1  
 Misc : A20E115  
 ALS Vial : 3 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 11:58:18 2020  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_200717.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              | 7.585 | 19662502   | NoCal | ng/mL |
| 2) Endrin                | 7.954 | 1468789414 | NoCal | ng/mL |
| 3) 4,4'-DDD              | 8.003 | 84623664   | NoCal | ng/mL |
| 4) 4,4'-DDT              | 8.201 | 2828546549 | NoCal | ng/mL |
| 5) Endrin Aldehyde       | 8.403 | 140490992  | NoCal | ng/mL |
| 6) Endrin Ketone         | 8.898 | 87551419   | NoCal | ng/mL |
| 8) 4,4'-DDE [2C]         | 8.435 | 21575856   | NoCal | ng/mL |
| 9) Endrin [2C]           | 8.812 | 1294671022 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C]        | 8.849 | 74962297   | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.196 | 80030485   | NoCal | ng/mL |
| 12) 4,4'-DDT [2C]        | 9.078 | 2726504598 | NoCal | ng/mL |
| 13) Endrin Ketone [2C]   | 9.790 | 57279877   | NoCal | ng/mL |
| -----                    |       |            |       |       |

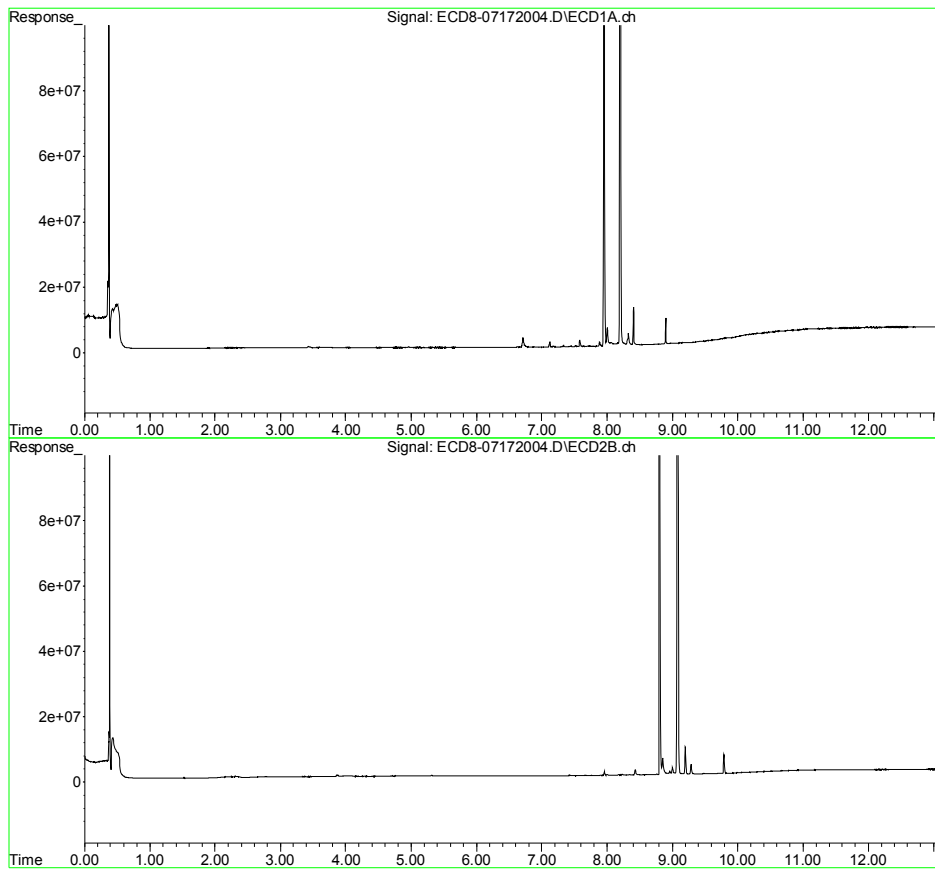
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172004.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 17:51  
Operator : MJB  
Sample : 0G17041-BKD1  
Misc : A20E115  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 11:58:18 2020  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_200717.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\2020-07\0G17041\  
 Data File : ECD8-07172006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:24  
 Operator : MJB  
 Sample : 0G17041-CAL1  
 Misc : A20G268, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e MJB 7/20/20  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:10:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL   |
|-----------------------------|--------------|-------|--------|---------|---------|--------|---------|
| -----                       |              |       |        |         |         |        |         |
| System Monitoring Compounds |              |       |        |         |         |        |         |
| 1)                          | S TCMX (S)   | 5.391 | 6.080  | 2059810 | 1883297 | 0.565  | 0.530   |
| 22)                         | S DCBP (S)   | 9.598 | 10.663 | 2181303 | 1522119 | 0.559  | 0.469   |
| Target Compounds            |              |       |        |         |         |        |         |
| 2)                          | a-BHC        | 5.933 | 6.686  | 2450601 | 2141378 | 0.503  | 0.449   |
| 3)                          | g-BHC        | 6.219 | 7.004  | 2300594 | 2019752 | 0.539  | 0.473   |
| 4)                          | b-BHC        | 6.298 | 7.068  | 1113855 | 1100105 | 0.618  | 0.602   |
| 5)                          | Heptachlor   | 6.627 | 7.380  | 2222149 | 2112772 | 0.562  | 0.499   |
| 6)                          | d-BHC        | 6.449 | 7.324  | 2058451 | 1866164 | 0.636  | 0.538   |
| 7)                          | Aldrin       | 6.868 | 7.646  | 2287325 | 1943000 | 0.530  | 0.485   |
| 8)                          | Heptachlo... | 7.330 | 8.084  | 2227813 | 2038283 | 0.564  | 0.541   |
| 9)                          | trans-Chl... | 7.425 | 8.223  | 2220216 | 1998781 | 0.552  | 0.524   |
| 10)                         | cis-Chlor... | 7.520 | 8.330  | 2439640 | 1890414 | 0.466  | 0.507   |
| 11)                         | Endosulfa... | 7.620 | 8.382  | 2036980 | 1697626 | 0.553  | 0.500   |
| 12)                         | 4,4'-DDE     | 7.583 | 8.433  | 2065125 | 1702667 | 0.563  | 0.521   |
| 13)                         | Dieldrin     | 7.791 | 8.583  | 2238734 | 1823919 | 0.555  | 0.473   |
| 14)                         | Endrin       | 7.956 | 8.812  | 1557812 | 1336331 | 0.462  | 0.452   |
| 15)                         | 4,4'-DDD     | 8.005 | 8.850  | 1731427 | 1463902 | 0.607  | 0.536   |
| 16)                         | Endosulfa... | 8.116 | 8.960  | 1722193 | 1559202 | 0.566  | 0.516   |
| 17)                         | 4,4'-DDT     | 8.202 | 9.077  | 1656264 | 1394118 | 0.737  | 0.523 # |
| 18)                         | Endrin Al... | 8.405 | 9.197  | 1961121 | 1632480 | 0.521  | 0.564   |
| 19)                         | Endosulfa... | 8.706 | 9.387  | 1519491 | 1337833 | 0.514  | 0.451   |
| 20)                         | Methoxychlor | 8.546 | 9.558  | 868824  | 832289  | 0.683  | 0.537   |
| 21)                         | Endrin Ke... | 8.899 | 9.790  | 1364571 | 1021475 | 0.383  | 0.304   |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172006.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:24  
 Operator : MJB  
 Sample : 0G17041-CAL1  
 Misc : A20G268, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:10:53 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

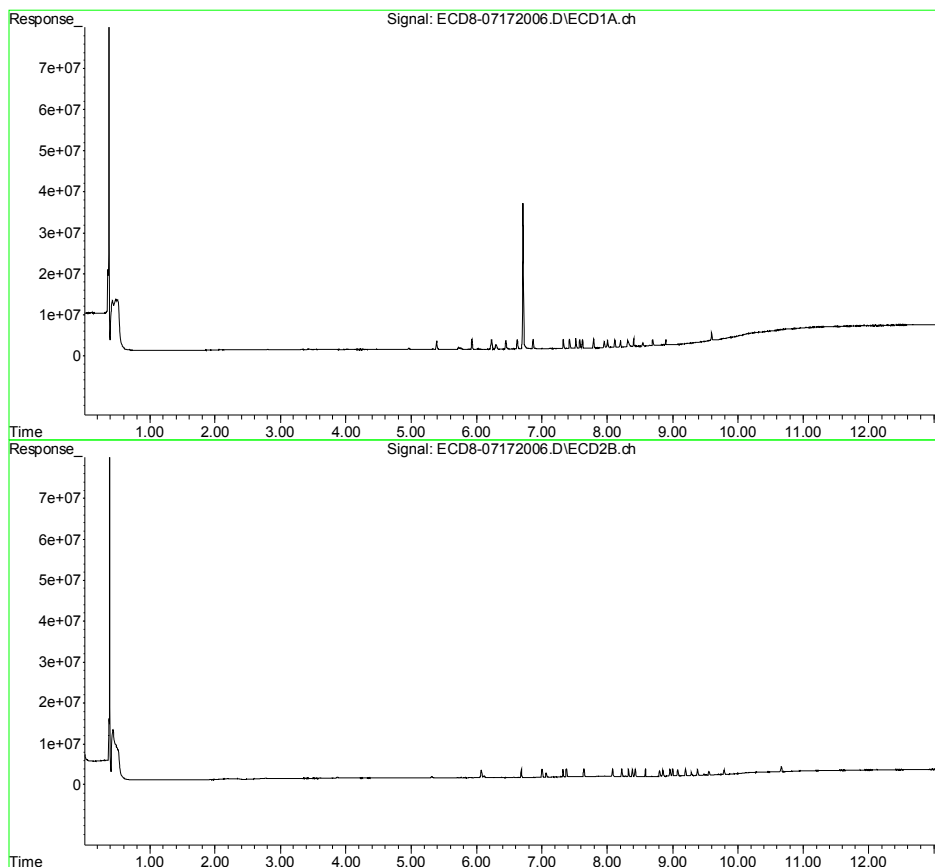
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:24  
Operator : MJB  
Sample : 0G17041-CAL1  
Misc : A20G268, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:10:53 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172007.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:41  
 Operator : MJB  
 Sample : 0G17041-CAL2  
 Misc : A20G269, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:12:02 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds |              |       |        |         |         |        |        |
| 1)                          | S TCMX (S)   | 5.391 | 6.080  | 3749962 | 3424170 | 1.028  | 0.965  |
| 22)                         | S DCBP (S)   | 9.598 | 10.662 | 3741875 | 2571519 | 1.112  | 0.930  |
| Target Compounds            |              |       |        |         |         |        |        |
| 2)                          | a-BHC        | 5.932 | 6.685  | 4624195 | 4050441 | 0.949  | 0.850  |
| 3)                          | g-BHC        | 6.219 | 7.004  | 4281415 | 3728838 | 1.003  | 0.873  |
| 4)                          | b-BHC        | 6.299 | 7.068  | 2132830 | 2041836 | 1.183  | 1.117  |
| 5)                          | Heptachlor   | 6.627 | 7.379  | 4135756 | 3871749 | 1.046  | 0.914  |
| 6)                          | d-BHC        | 6.449 | 7.324  | 3818920 | 3499685 | 1.151  | 0.977  |
| 7)                          | Aldrin       | 6.867 | 7.646  | 4287214 | 3522992 | 0.994  | 0.879  |
| 8)                          | Heptachlo... | 7.330 | 8.083  | 4194494 | 3537621 | 1.061  | 0.940  |
| 9)                          | trans-Chl... | 7.424 | 8.223  | 4203847 | 3562892 | 1.045  | 0.933  |
| 10)                         | cis-Chlor... | 7.520 | 8.330  | 4349971 | 3440076 | 0.993  | 0.923  |
| 11)                         | Endosulfa... | 7.619 | 8.382  | 3844786 | 3206256 | 1.044  | 0.945  |
| 12)                         | 4,4'-DDE     | 7.583 | 8.433  | 3926902 | 3336158 | 1.071  | 1.014  |
| 13)                         | Dieldrin     | 7.791 | 8.583  | 4076655 | 3411011 | 1.010  | 0.885  |
| 14)                         | Endrin       | 7.956 | 8.812  | 3009843 | 2506800 | 0.892  | 0.848  |
| 15)                         | 4,4'-DDD     | 8.004 | 8.850  | 3227439 | 2703896 | 1.131  | 1.008  |
| 16)                         | Endosulfa... | 8.117 | 8.960  | 3220135 | 2802726 | 1.058  | 0.927  |
| 17)                         | 4,4'-DDT     | 8.201 | 9.078  | 2992885 | 2566263 | 1.323  | 0.994  |
| 18)                         | Endrin Al... | 8.405 | 9.197  | 3634935 | 3023816 | 1.136  | 1.045  |
| 19)                         | Endosulfa... | 8.705 | 9.387  | 2784647 | 2448888 | 0.943  | 0.826  |
| 20)                         | Methoxychlor | 8.544 | 9.558  | 1581473 | 1501062 | 1.359  | 1.092  |
| 21)                         | Endrin Ke... | 8.899 | 9.790  | 2404758 | 1779672 | 0.674  | 0.530  |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172007.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:41  
 Operator : MJB  
 Sample : 0G17041-CAL2  
 Misc : A20G269, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:12:02 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

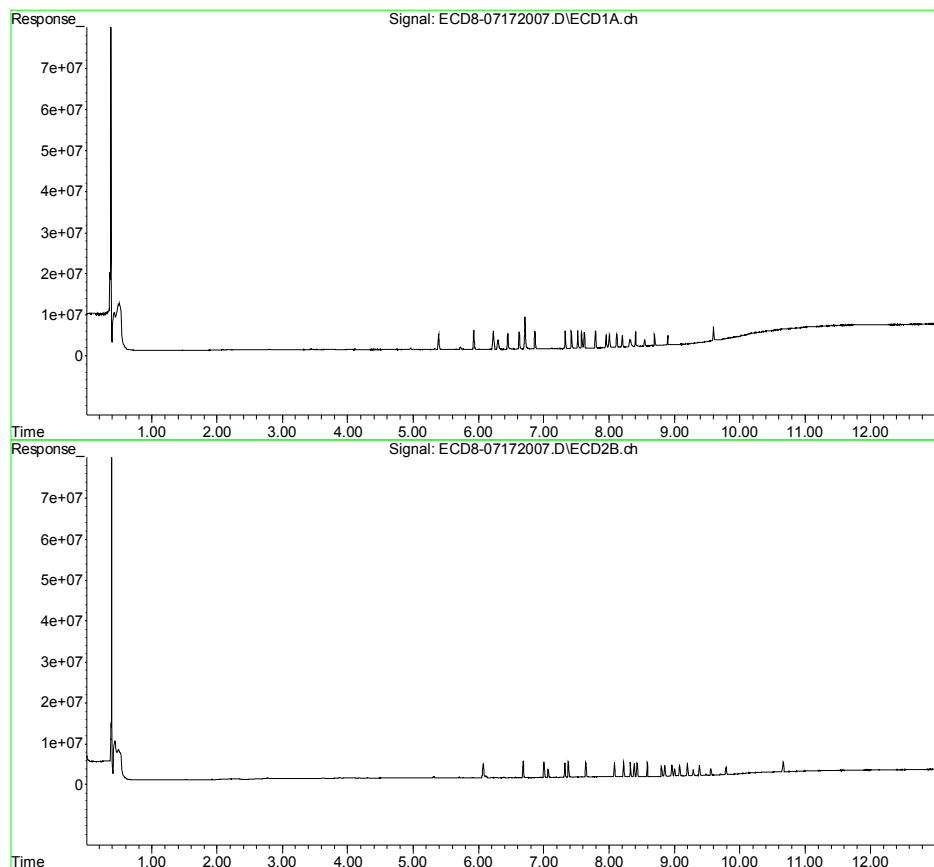
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172007.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:41  
Operator : MJB  
Sample : 0G17041-CAL2  
Misc : A20G269, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:12:02 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172008.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:57  
 Operator : MJB  
 Sample : 0G17041-CAL3  
 Misc : A20C178, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:12:50 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|--------|---------|---------|--------|--------|
| -----                       |              |       |        |         |         |        |        |
| System Monitoring Compounds |              |       |        |         |         |        |        |
| 1)                          | S TCMX (S)   | 5.391 | 6.080  | 6919197 | 6303438 | 1.897  | 1.776  |
| 22)                         | S DCBP (S)   | 9.596 | 10.661 | 6703802 | 4769423 | 2.161  | 1.894  |
| Target Compounds            |              |       |        |         |         |        |        |
| 2)                          | a-BHC        | 5.933 | 6.686  | 8676234 | 7647715 | 1.780  | 1.605  |
| 3)                          | g-BHC        | 6.220 | 7.005  | 8085541 | 6969061 | 1.893  | 1.632  |
| 4)                          | b-BHC        | 6.299 | 7.068  | 3893858 | 3586376 | 2.160  | 1.962  |
| 5)                          | Heptachlor   | 6.628 | 7.379  | 7362354 | 6747350 | 1.862  | 1.592  |
| 6)                          | d-BHC        | 6.449 | 7.323  | 7539593 | 6680796 | 2.237  | 1.830  |
| 7)                          | Aldrin       | 6.867 | 7.646  | 8128193 | 6693503 | 1.885  | 1.669  |
| 8)                          | Heptachlo... | 7.330 | 8.083  | 7788065 | 6371510 | 1.971  | 1.692  |
| 9)                          | trans-Chl... | 7.424 | 8.223  | 7827529 | 6724097 | 1.945  | 1.761  |
| 10)                         | cis-Chlor... | 7.521 | 8.330  | 7826014 | 6359764 | 1.952  | 1.707  |
| 11)                         | Endosulfa... | 7.620 | 8.382  | 7306381 | 6010589 | 1.985  | 1.772  |
| 12)                         | 4,4'-DDE     | 7.582 | 8.433  | 7323605 | 6193968 | 1.998  | 1.875  |
| 13)                         | Dieldrin     | 7.791 | 8.582  | 7917841 | 6570645 | 1.962  | 1.704  |
| 14)                         | Endrin       | 7.955 | 8.811  | 5251034 | 4136332 | 1.556  | 1.399  |
| 15)                         | 4,4'-DDD     | 8.004 | 8.849  | 6167478 | 5447533 | 2.162  | 2.050  |
| 16)                         | Endosulfa... | 8.116 | 8.959  | 6017590 | 5379985 | 1.978  | 1.779  |
| 17)                         | 4,4'-DDT     | 8.201 | 9.077  | 4913313 | 4320498 | 2.163  | 1.697  |
| 18)                         | Endrin Al... | 8.404 | 9.196  | 6892476 | 5804760 | 2.331  | 2.006  |
| 19)                         | Endosulfa... | 8.704 | 9.386  | 5171692 | 4537613 | 1.751  | 1.530  |
| 20)                         | Methoxychlor | 8.544 | 9.557  | 2542453 | 2499381 | 2.268  | 1.920  |
| 21)                         | Endrin Ke... | 8.898 | 9.789  | 3933660 | 3243527 | 1.103  | 0.966  |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0       | 0       | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172008.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 18:57  
 Operator : MJB  
 Sample : 0G17041-CAL3  
 Misc : A20C178, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:12:50 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

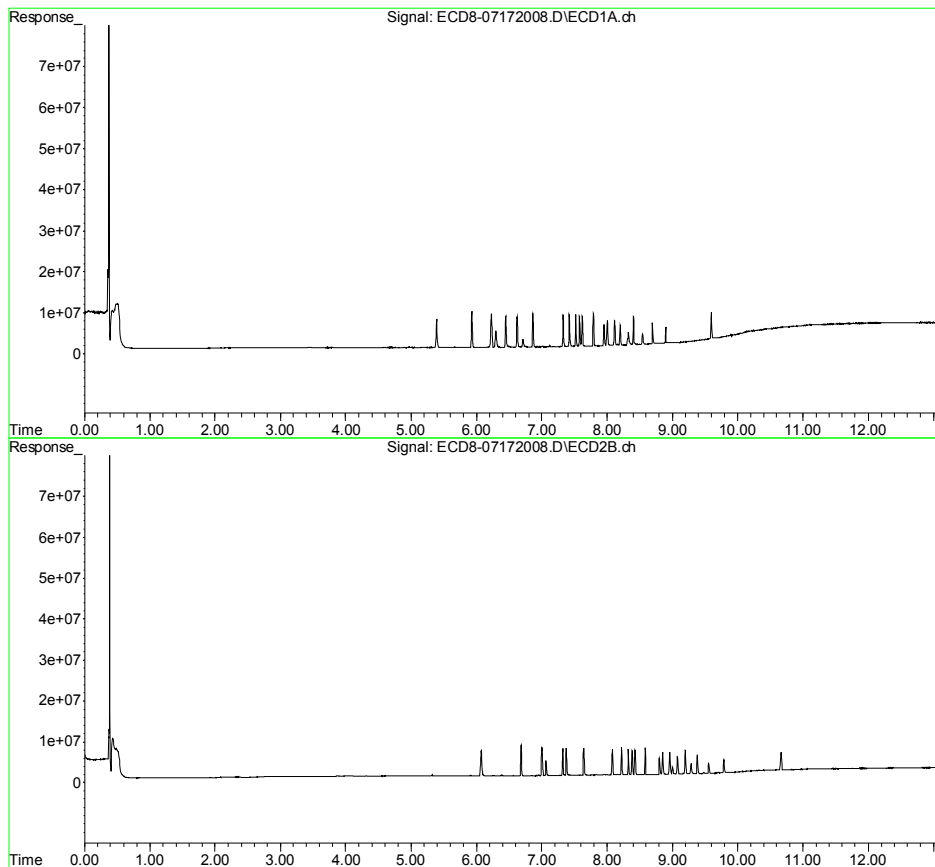
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172008.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 18:57  
Operator : MJB  
Sample : 0G17041-CAL3  
Misc : A20C178, AB 2 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:12:50 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172009.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:14  
 Operator : MJB  
 Sample : 0G17041-CAL4  
 Misc : A20C179, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:13:27 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds |       |        |          |          |        |        |
| 1) S TCMX (S)               | 5.391 | 6.080  | 18931092 | 16368939 | 5.191  | 4.611  |
| 22) S DCBP (S)              | 9.595 | 10.660 | 16272198 | 10905350 | 5.547  | 4.577  |
| Target Compounds            |       |        |          |          |        |        |
| 2) a-BHC                    | 5.933 | 6.686  | 24927157 | 21917078 | 5.115  | 4.598  |
| 3) g-BHC                    | 6.219 | 7.004  | 22425297 | 19662115 | 5.251  | 4.606  |
| 4) b-BHC                    | 6.298 | 7.067  | 9687102  | 8897498  | 5.373  | 4.868  |
| 5) Heptachlor               | 6.626 | 7.378  | 21596752 | 19364391 | 5.462  | 4.570  |
| 6) d-BHC                    | 6.448 | 7.322  | 20782872 | 18986978 | 6.067  | 5.107  |
| 7) Aldrin                   | 6.866 | 7.644  | 21970090 | 18430617 | 5.095  | 4.596  |
| 8) Heptachlo...             | 7.329 | 8.082  | 20358408 | 17163624 | 5.151  | 4.559  |
| 9) trans-Chl...             | 7.424 | 8.222  | 20800588 | 16945470 | 5.170  | 4.438  |
| 10) cis-Chlor...            | 7.520 | 8.329  | 20032381 | 16723191 | 5.308  | 4.489  |
| 11) Endosulfa...            | 7.618 | 8.382  | 18727887 | 15748002 | 5.088  | 4.642  |
| 12) 4,4'-DDE                | 7.582 | 8.432  | 20624857 | 17035139 | 5.627  | 5.116  |
| 13) Dieldrin                | 7.790 | 8.582  | 21466979 | 16975757 | 5.318  | 4.403  |
| 14) Endrin                  | 7.955 | 8.810  | 15263803 | 12223972 | 4.523  | 4.135  |
| 15) 4,4'-DDD                | 8.004 | 8.848  | 16355832 | 13911502 | 5.732  | 5.237  |
| 16) Endosulfa...            | 8.115 | 8.959  | 15952313 | 13560676 | 5.243  | 4.485  |
| 17) 4,4'-DDT                | 8.201 | 9.076  | 14758942 | 12674572 | 6.432  | 5.017  |
| 18) Endrin Al...            | 8.403 | 9.195  | 16116018 | 13083092 | 5.708  | 4.522  |
| 19) Endosulfa...            | 8.704 | 9.385  | 14032724 | 11961356 | 4.751  | 4.034  |
| 20) Methoxychlor            | 8.542 | 9.556  | 7562519  | 7089165  | 6.974  | 5.696  |
| 21) Endrin Ke...            | 8.898 | 9.788  | 10451380 | 8022001  | 2.930  | 2.388  |
| 23) Hexachlor...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 24) Hexachlor...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 25) Oxychlorane             | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 26) 2,4'-DDE                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 27) trans-Non...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 28) 2,4'-DDD                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 29) 2,4'-DDT                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:09:41 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172009.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:14  
 Operator : MJB  
 Sample : 0G17041-CAL4  
 Misc : A20C179, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:13:27 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

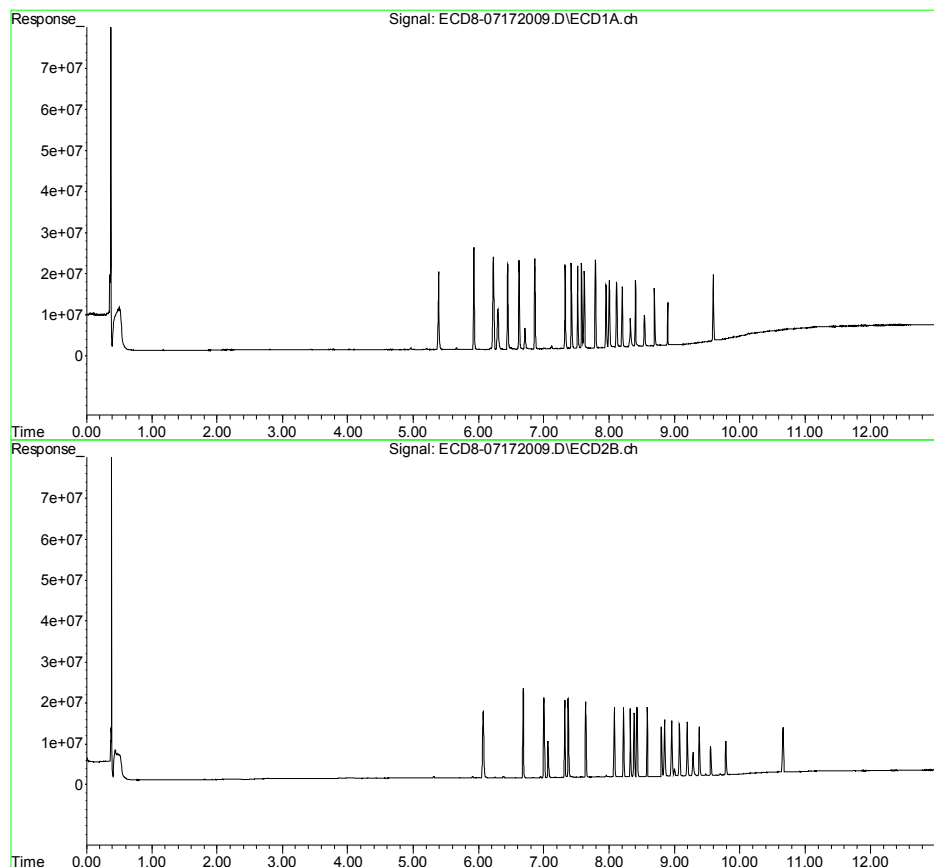
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172009.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:14  
Operator : MJB  
Sample : 0G17041-CAL4  
Misc : A20C179, AB 5 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:13:27 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172010.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:30  
 Operator : MJB  
 Sample : 0G17041-CAL5  
 Misc : A20C180, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:14:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds |       |        |          |          |        |        |
| 1) S TCMX (S)               | 5.391 | 6.079  | 37661455 | 32621298 | 10.326 | 9.189  |
| 22) S DCBP (S)              | 9.595 | 10.659 | 31430664 | 20775475 | 10.902 | 8.866  |
| Target Compounds            |       |        |          |          |        |        |
| 2) a-BHC                    | 5.933 | 6.685  | 48977633 | 44713321 | 10.051 | 9.381  |
| 3) g-BHC                    | 6.218 | 7.004  | 43374144 | 39454629 | 10.157 | 9.242  |
| 4) b-BHC                    | 6.297 | 7.067  | 19492517 | 17356070 | 10.811 | 9.495  |
| 5) Heptachlor               | 6.626 | 7.378  | 41625810 | 38272594 | 10.528 | 9.032  |
| 6) d-BHC                    | 6.447 | 7.323  | 41540851 | 38718065 | 11.970 | 10.287 |
| 7) Aldrin                   | 6.866 | 7.644  | 44212633 | 37476911 | 10.254 | 9.345  |
| 8) Heptachlo...             | 7.328 | 8.082  | 39973725 | 33720987 | 10.115 | 8.957  |
| 9) trans-Chl...             | 7.423 | 8.222  | 40751734 | 33914453 | 10.128 | 8.883  |
| 10) cis-Chlor...            | 7.520 | 8.329  | 39531751 | 33601845 | 10.636 | 9.019  |
| 11) Endosulfa...            | 7.617 | 8.382  | 37534040 | 30536439 | 10.197 | 9.002  |
| 12) 4,4'-DDE                | 7.581 | 8.432  | 40945008 | 35038068 | 11.172 | 10.421 |
| 13) Dieldrin                | 7.789 | 8.582  | 41629628 | 34744561 | 10.313 | 9.012  |
| 14) Endrin                  | 7.954 | 8.810  | 30876148 | 24238440 | 9.150  | 8.199  |
| 15) 4,4'-DDD                | 8.003 | 8.849  | 33565883 | 28753995 | 11.764 | 10.729 |
| 16) Endosulfa...            | 8.114 | 8.959  | 32181724 | 27159286 | 10.576 | 8.982  |
| 17) 4,4'-DDT                | 8.201 | 9.076  | 30940885 | 25909625 | 13.319 | 10.184 |
| 18) Endrin Al...            | 8.403 | 9.195  | 31735764 | 25407176 | 11.404 | 8.781  |
| 19) Endosulfa...            | 8.704 | 9.385  | 29751499 | 23878379 | 10.074 | 8.053  |
| 20) Methoxychlor            | 8.542 | 9.556  | 14083584 | 13377151 | 12.982 | 10.791 |
| 21) Endrin Ke...            | 8.898 | 9.788  | 21133320 | 17024410 | 5.925  | 5.069  |
| 23) Hexachlor...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 24) Hexachlor...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 25) Oxychlorane             | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 26) 2,4'-DDE                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 27) trans-Non...            | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 28) 2,4'-DDD                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 29) 2,4'-DDT                | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172010.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:30  
 Operator : MJB  
 Sample : 0G17041-CAL5  
 Misc : A20C180, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:14:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

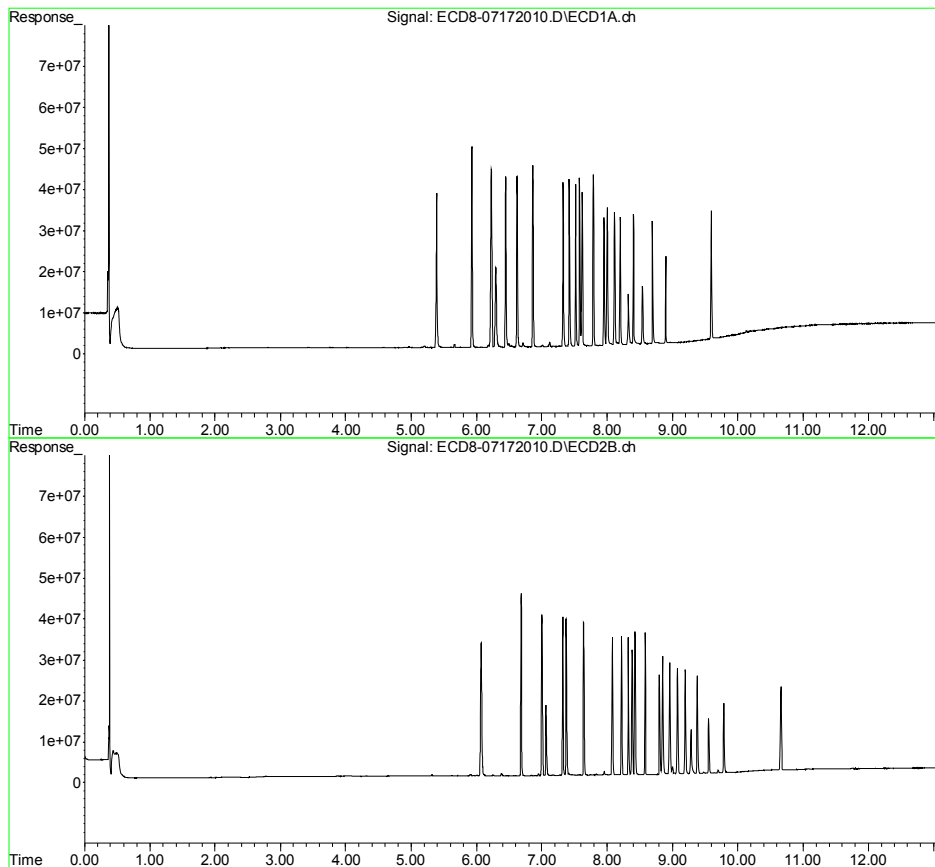
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172010.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:30  
Operator : MJB  
Sample : 0G17041-CAL5  
Misc : A20C180, AB 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:14:06 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172011.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:47  
 Operator : MJB  
 Sample : 0G17041-CAL6  
 Misc : A20C181, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:14:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|--------|----------|----------|--------|--------|
| -----                       |              |       |        |          |          |        |        |
| System Monitoring Compounds |              |       |        |          |          |        |        |
| 1)                          | S TCMX (S)   | 5.391 | 6.079  | 89211130 | 84839275 | 24.460 | 23.898 |
| 22)                         | S DCBP (S)   | 9.594 | 10.660 | 73612216 | 50113347 | 25.736 | 21.426 |
| Target Compounds            |              |       |        |          |          |        |        |
| 2)                          | a-BHC        | 5.932 | 6.686  | 123.3E6  | 116.2E6  | 25.304 | 24.389 |
| 3)                          | g-BHC        | 6.217 | 7.004  | 108.9E6  | 103.1E6  | 25.490 | 24.142 |
| 4)                          | b-BHC        | 6.295 | 7.066  | 47753857 | 43057885 | 26.485 | 23.557 |
| 5)                          | Heptachlor   | 6.625 | 7.378  | 106.1E6  | 101.5E6  | 26.838 | 23.960 |
| 6)                          | d-BHC        | 6.446 | 7.322  | 103.2E6  | 99905439 | 28.850 | 25.811 |
| 7)                          | Aldrin       | 6.865 | 7.644  | 106.1E6  | 97238534 | 24.610 | 24.248 |
| 8)                          | Heptachlo... | 7.327 | 8.082  | 96633150 | 85517085 | 24.452 | 22.715 |
| 9)                          | trans-Chl... | 7.422 | 8.222  | 100.3E6  | 86073442 | 24.927 | 22.544 |
| 10)                         | cis-Chlor... | 7.519 | 8.328  | 96315715 | 84003221 | 25.932 | 22.547 |
| 11)                         | Endosulfa... | 7.616 | 8.381  | 88828375 | 78073443 | 24.131 | 23.016 |
| 12)                         | 4,4'-DDE     | 7.580 | 8.431  | 101.6E6  | 89875572 | 27.731 | 26.022 |
| 13)                         | Dieldrin     | 7.788 | 8.582  | 101.8E6  | 89378150 | 25.226 | 23.182 |
| 14)                         | Endrin       | 7.953 | 8.810  | 74705441 | 65935392 | 22.138 | 22.303 |
| 15)                         | 4,4'-DDD     | 8.002 | 8.848  | 81479433 | 73570318 | 28.557 | 26.643 |
| 16)                         | Endosulfa... | 8.112 | 8.958  | 78180702 | 68170658 | 25.694 | 22.544 |
| 17)                         | 4,4'-DDT     | 8.200 | 9.076  | 77234425 | 72132824 | 32.216 | 27.431 |
| 18)                         | Endrin Al... | 8.401 | 9.194  | 74485882 | 63589507 | 26.854 | 21.978 |
| 19)                         | Endosulfa... | 8.703 | 9.385  | 71357653 | 61962840 | 24.162 | 20.897 |
| 20)                         | Methoxychlor | 8.541 | 9.556  | 37317871 | 35103449 | 33.506 | 27.760 |
| 21)                         | Endrin Ke... | 8.897 | 9.788  | 56008072 | 43829907 | 15.703 | 13.049 |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172011.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 19:47  
 Operator : MJB  
 Sample : 0G17041-CAL6  
 Misc : A20C181, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:14:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

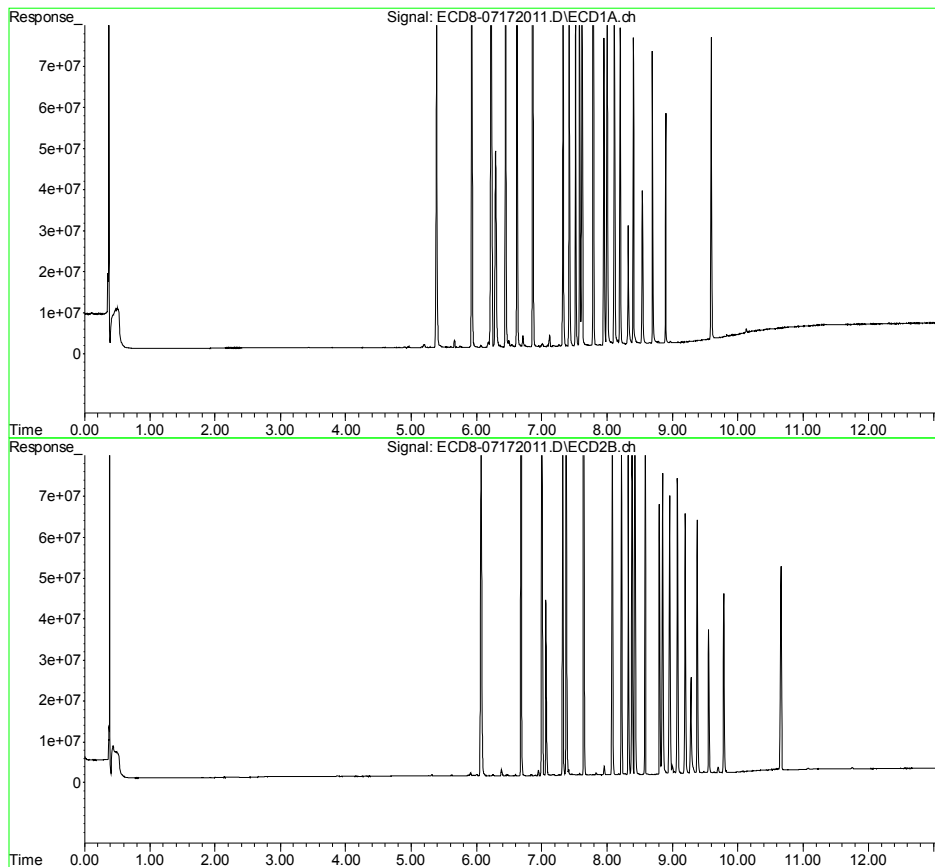
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172011.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 19:47  
Operator : MJB  
Sample : 0G17041-CAL6  
Misc : A20C181, AB 25 ppb  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:14:46 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172012.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:03  
 Operator : MJB  
 Sample : 0G17041-CAL7  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:09:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Wed Jun 17 08:38:46 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|--------|----------|----------|--------|--------|
| -----                       |              |       |        |          |          |        |        |
| System Monitoring Compounds |              |       |        |          |          |        |        |
| 1)                          | S TCMX (S)   | 5.391 | 6.079  | 183.6E6  | 183.6E6  | 50.334 | 51.706 |
| 22)                         | S DCBP (S)   | 9.595 | 10.659 | 150.4E6  | 110.4E6  | 52.504 | 46.420 |
| Target Compounds            |              |       |        |          |          |        |        |
| 2)                          | a-BHC        | 5.932 | 6.685  | 262.7E6  | 263.2E6  | 53.908 | 55.228 |
| 3)                          | g-BHC        | 6.217 | 7.003  | 227.3E6  | 227.4E6  | 53.232 | 53.268 |
| 4)                          | b-BHC        | 6.295 | 7.065  | 94623167 | 93322988 | 52.479 | 51.056 |
| 5)                          | Heptachlor   | 6.625 | 7.378  | 221.5E6  | 227.5E6  | 56.030 | 53.686 |
| 6)                          | d-BHC        | 6.446 | 7.322  | 215.8E6  | 222.9E6  | 57.511 | 54.906 |
| 7)                          | Aldrin       | 6.866 | 7.644  | 222.1E6  | 208.1E6  | 51.508 | 51.890 |
| 8)                          | Heptachlo... | 7.327 | 8.082  | 205.1E6  | 188.7E6  | 51.891 | 50.135 |
| 9)                          | trans-Chl... | 7.422 | 8.221  | 210.7E6  | 196.0E6  | 52.363 | 51.340 |
| 10)                         | cis-Chlor... | 7.518 | 8.328  | 202.4E6  | 184.2E6  | 53.682 | 49.447 |
| 11)                         | Endosulfa... | 7.616 | 8.380  | 190.7E6  | 172.1E6  | 51.803 | 50.722 |
| 12)                         | 4,4'-DDE     | 7.581 | 8.431  | 211.1E6  | 199.4E6  | 57.592 | 55.048 |
| 13)                         | Dieldrin     | 7.787 | 8.581  | 222.8E6  | 201.4E6  | 55.206 | 52.237 |
| 14)                         | Endrin       | 7.952 | 8.809  | 154.2E6  | 145.6E6  | 45.693 | 49.265 |
| 15)                         | 4,4'-DDD     | 8.002 | 8.848  | 170.1E6  | 170.2E6  | 59.622 | 58.149 |
| 16)                         | Endosulfa... | 8.111 | 8.957  | 165.9E6  | 156.4E6  | 54.532 | 51.734 |
| 17)                         | 4,4'-DDT     | 8.199 | 9.075  | 167.8E6  | 159.3E6  | 66.337 | 57.199 |
| 18)                         | Endrin Al... | 8.400 | 9.193  | 157.3E6  | 139.4E6  | 56.207 | 48.181 |
| 19)                         | Endosulfa... | 8.702 | 9.384  | 149.9E6  | 139.6E6  | 50.739 | 47.081 |
| 20)                         | Methoxychlor | 8.541 | 9.555  | 77457302 | 78307583 | 66.260 | 59.040 |
| 21)                         | Endrin Ke... | 8.896 | 9.787  | 122.1E6  | 97552598 | 34.225 | 29.044 |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0        | 0        | N.D. d | N.D. d |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172012.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:03  
 Operator : MJB  
 Sample : 0G17041-CAL7  
 Misc : A20E232, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:09:35 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Wed Jun 17 08:38:46 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

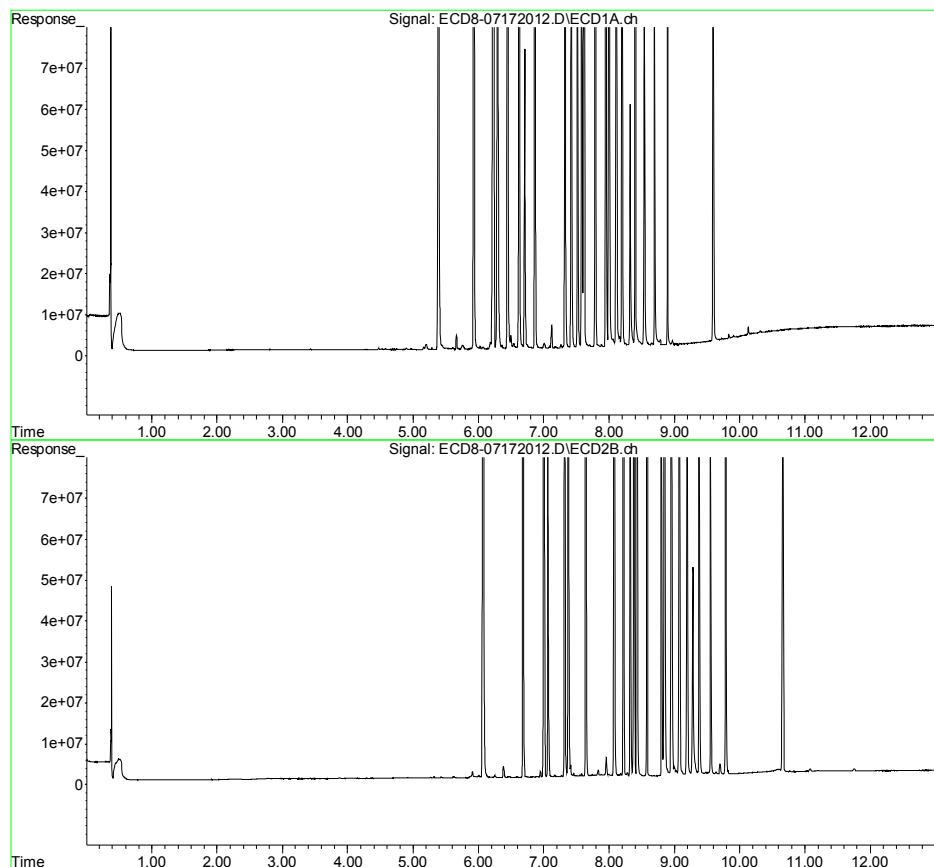
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172012.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:03  
Operator : MJB  
Sample : 0G17041-CAL7  
Misc : A20E232, AB 50 ppb  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:09:35 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Wed Jun 17 08:38:46 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172013.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:20  
 Operator : MJB  
 Sample : 0G17041-CAL8  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:16:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1  | Resp#2  | ng/mL   | ng/mL   |
|-----------------------------|--------------|-------|--------|---------|---------|---------|---------|
| System Monitoring Compounds |              |       |        |         |         |         |         |
| 1)                          | S TCMX (S)   | 5.390 | 6.079  | 372.4E6 | 365.1E6 | 102.105 | 102.831 |
| 22)                         | S DCBP (S)   | 9.594 | 10.659 | 302.8E6 | 226.5E6 | 104.744 | 91.839  |
| Target Compounds            |              |       |        |         |         |         |         |
| 2)                          | a-BHC        | 5.932 | 6.684  | 510.2E6 | 525.0E6 | 104.690 | 110.142 |
| 3)                          | g-BHC        | 6.216 | 7.003  | 452.0E6 | 451.5E6 | 105.834 | 105.750 |
| 4)                          | b-BHC        | 6.293 | 7.065  | 195.8E6 | 186.2E6 | 108.565 | 101.893 |
| 5)                          | Heptachlor   | 6.625 | 7.377  | 433.1E6 | 445.2E6 | 109.551 | 105.066 |
| 6)                          | d-BHC        | 6.444 | 7.321  | 428.6E6 | 441.0E6 | 105.929 | 101.243 |
| 7)                          | Aldrin       | 6.865 | 7.644  | 442.0E6 | 431.4E6 | 102.504 | 107.574 |
| 8)                          | Heptachlo... | 7.325 | 8.081  | 392.0E6 | 394.4E6 | 99.194  | 104.763 |
| 9)                          | trans-Chl... | 7.420 | 8.220  | 408.8E6 | 403.1E6 | 101.596 | 105.587 |
| 10)                         | cis-Chlor... | 7.516 | 8.327  | 391.8E6 | 380.2E6 | 100.880 | 102.050 |
| 11)                         | Endosulfa... | 7.614 | 8.380  | 373.2E6 | 359.5E6 | 101.391 | 105.978 |
| 12)                         | 4,4'-DDE     | 7.580 | 8.431  | 419.0E6 | 419.3E6 | 114.313 | 106.868 |
| 13)                         | Dieldrin     | 7.786 | 8.580  | 423.5E6 | 396.5E6 | 104.913 | 102.833 |
| 14)                         | Endrin       | 7.951 | 8.809  | 312.0E6 | 285.3E6 | 92.463  | 96.515  |
| 15)                         | 4,4'-DDD     | 8.000 | 8.847  | 342.6E6 | 351.0E6 | 120.076 | 109.628 |
| 16)                         | Endosulfa... | 8.109 | 8.957  | 325.0E6 | 313.1E6 | 106.794 | 103.550 |
| 17)                         | 4,4'-DDT     | 8.198 | 9.075  | 317.5E6 | 324.7E6 | 116.529 | 106.610 |
| 18)                         | Endrin Al... | 8.399 | 9.194  | 297.1E6 | 286.0E6 | 104.237 | 98.841  |
| 19)                         | Endosulfa... | 8.701 | 9.384  | 295.3E6 | 287.9E6 | 99.989  | 97.082  |
| 20)                         | Methoxychlor | 8.540 | 9.555  | 151.2E6 | 155.4E6 | 119.791 | 108.775 |
| 21)                         | Endrin Ke... | 8.895 | 9.787  | 233.5E6 | 207.3E6 | 65.462  | 61.707  |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0       | 0       | N.D. d  | N.D. d  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172013.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:20  
 Operator : MJB  
 Sample : 0G17041-CAL8  
 Misc : A20E233, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:16:05 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

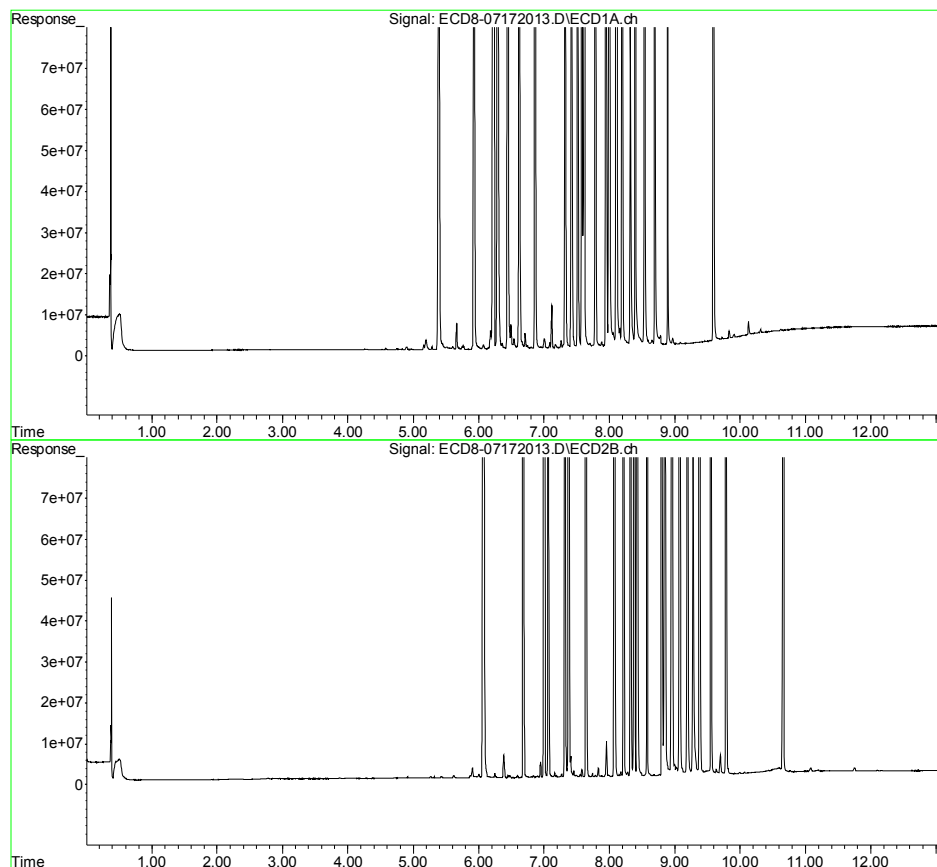
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172013.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:20  
Operator : MJB  
Sample : 0G17041-CAL8  
Misc : A20E233, AB 100 ppb  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:16:05 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172014.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:37  
 Operator : MJB  
 Sample : 0G17041-CAL9  
 Misc : A20C177, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:17:25 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/mL   | ng/mL   |
|-----------------------------|--------------|-------|--------|----------|----------|---------|---------|
| -----                       |              |       |        |          |          |         |         |
| System Monitoring Compounds |              |       |        |          |          |         |         |
| 1)                          | S TCMX (S)   | 5.390 | 6.079  | 749.2E6  | 799.8E6  | 205.431 | 225.301 |
| 22)                         | S DCBP (S)   | 9.593 | 10.659 | 617.8E6  | 485.2E6  | 209.270 | 183.028 |
| Target Compounds            |              |       |        |          |          |         |         |
| 2)                          | a-BHC        | 5.931 | 6.684  | 1056.6E6 | 1120.2E6 | 216.817 | 235.025 |
| 3)                          | g-BHC        | 6.215 | 7.003  | 928.1E6  | 1024.2E6 | 217.314 | 239.916 |
| 4)                          | b-BHC        | 6.292 | 7.064  | 382.8E6  | 393.1E6  | 212.331 | 215.057 |
| 5)                          | Heptachlor   | 6.624 | 7.377  | 871.0E6  | 966.2E6  | 220.306 | 228.013 |
| 6)                          | d-BHC        | 6.443 | 7.321  | 875.5E6  | 966.5E6  | 191.802 | 195.046 |
| 7)                          | Aldrin       | 6.864 | 7.643  | 885.2E6  | 929.8E6  | 205.294 | 231.858 |
| 8)                          | Heptachlo... | 7.324 | 8.080  | 789.0E6  | 840.5E6  | 199.651 | 223.263 |
| 9)                          | trans-Chl... | 7.419 | 8.219  | 826.3E6  | 850.1E6  | 205.378 | 222.654 |
| 10)                         | cis-Chlor... | 7.515 | 8.327  | 797.8E6  | 796.0E6  | 193.748 | 213.636 |
| 11)                         | Endosulfa... | 7.614 | 8.378  | 757.4E6  | 768.4E6  | 205.757 | 226.535 |
| 12)                         | 4,4'-DDE     | 7.578 | 8.430  | 875.6E6  | 903.6E6  | 238.903 | 201.921 |
| 13)                         | Dieldrin     | 7.785 | 8.579  | 865.5E6  | 863.7E6  | 214.406 | 224.020 |
| 14)                         | Endrin       | 7.950 | 8.808  | 625.8E6  | 631.0E6  | 185.453 | 213.422 |
| 15)                         | 4,4'-DDD     | 7.999 | 8.847  | 714.0E6  | 737.5E6  | 250.254 | 200.231 |
| 16)                         | Endosulfa... | 8.108 | 8.955  | 665.2E6  | 675.6E6  | 218.629 | 223.414 |
| 17)                         | 4,4'-DDT     | 8.197 | 9.074  | 675.9E6  | 713.1E6  | 216.989 | 201.133 |
| 18)                         | Endrin Al... | 8.398 | 9.192  | 627.8E6  | 616.2E6  | 211.126 | 212.976 |
| 19)                         | Endosulfa... | 8.700 | 9.383  | 614.3E6  | 612.6E6  | 208.012 | 206.595 |
| 20)                         | Methoxychlor | 8.539 | 9.554  | 315.0E6  | 329.9E6  | 219.368 | 203.030 |
| 21)                         | Endrin Ke... | 8.894 | 9.786  | 496.5E6  | 456.5E6  | 139.201 | 135.899 |
| 23)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 24)                         | Hexachlor... | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 25)                         | Oxychlorane  | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 27)                         | trans-Non... | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000  | 0        | 0        | N.D. d  | N.D. d  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172014.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 20:37  
 Operator : MJB  
 Sample : 0G17041-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: Jul 20 12:17:25 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

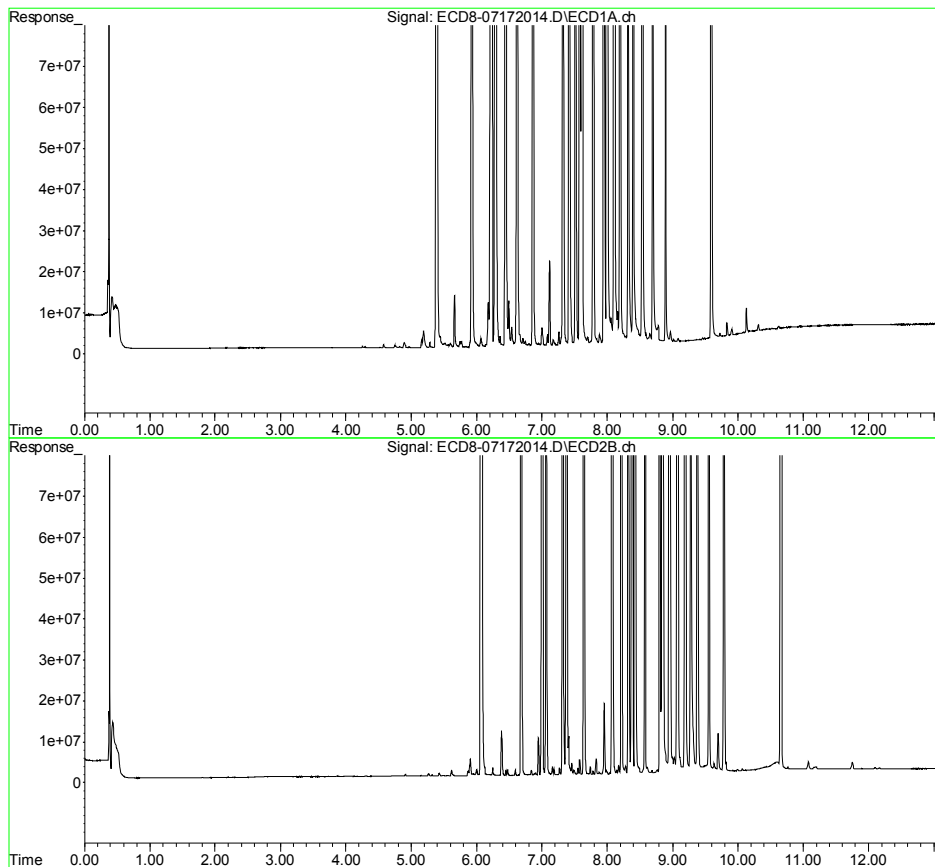
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|--------|--------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172014.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 20:37  
Operator : MJB  
Sample : 0G17041-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: Jul 20 12:17:25 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:26  
 Operator : MJB  
 Sample : 0G17041-CALA  
 Misc : A20F082, 9-42 0.5 ppb  
 ALS Vial : 14 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:21:19 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL   |
|-----------------------------|-------|-------|---------|---------|--------|---------|
| System Monitoring Compounds |       |       |         |         |        |         |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| Target Compounds            |       |       |         |         |        |         |
| 2) a-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 3) g-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 4) b-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 5) Heptachlor               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 6) d-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 7) Aldrin                   | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 8) Heptachlo...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 9) trans-Chl...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 11) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 13) Dieldrin                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 14) Endrin                  | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 16) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 18) Endrin Al...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 19) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 20) Methoxychlor            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d  |
| 23) Hexachlor...            | 3.182 | 3.775 | 2442623 | 2610849 | 0.459  | 0.430   |
| 24) Hexachlor...            | 5.771 | 6.544 | 2520153 | 2355809 | 0.636  | 0.639   |
| 25) Oxychlorane             | 7.256 | 8.010 | 2279406 | 2071594 | 0.528  | 0.493   |
| 26) 2,4'-DDE                | 7.332 | 8.211 | 1697469 | 1531133 | 0.709  | 0.479 # |
| 27) trans-Non...            | 7.511 | 8.283 | 2708442 | 2349402 | 0.504  | 0.466   |
| 28) 2,4'-DDD                | 7.704 | 8.583 | 1506066 | 1354404 | 0.608  | 0.652   |
| 29) 2,4'-DDT                | 7.885 | 8.809 | 1534728 | 1387580 | 0.672  | 0.582   |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172017.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:26  
 Operator : MJB  
 Sample : 0G17041-CALA  
 Misc : A20F082, 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: Jul 20 12:21:19 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

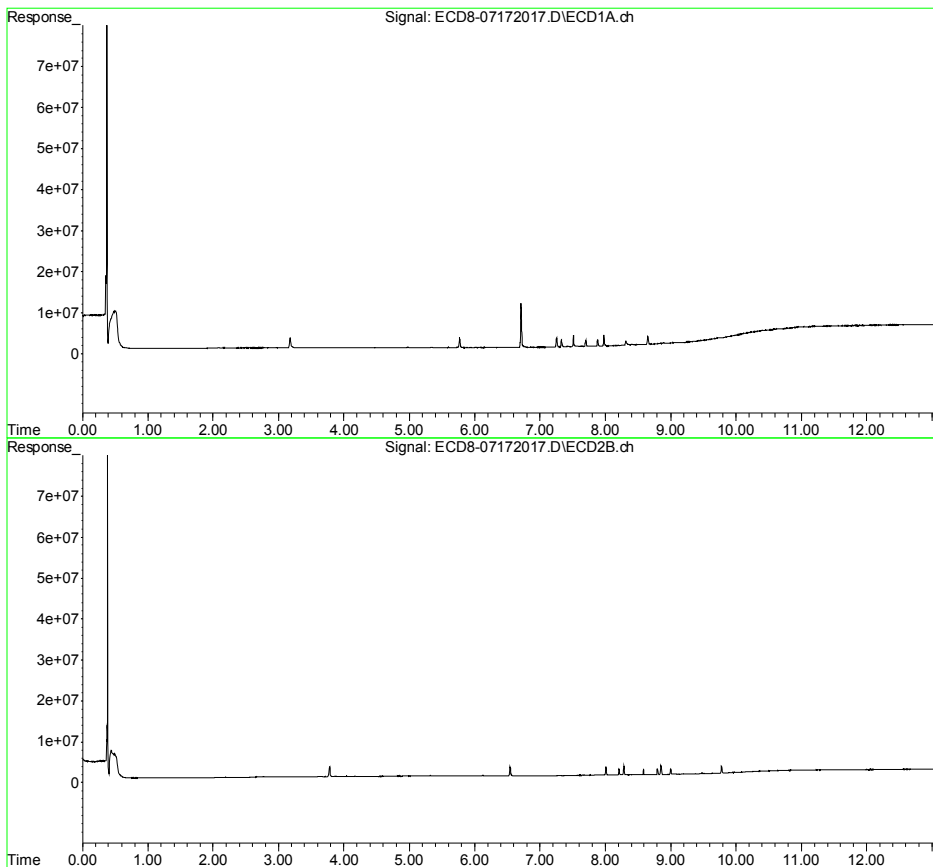
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL            |
|-----|--------------|-------|-------|---------|---------|--------|------------------|
| 30) | cis-Nonac... | 7.981 | 8.850 | 2710672 | 2337639 | 0.659  | <del>0.585</del> |
| 31) | Mirex        | 8.647 | 9.779 | 1992597 | 1857129 | 0.496  | 0.545            |
| 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\2020-07\0G17041\  
Data File : ECD8-07172017.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:26  
Operator : MJB  
Sample : 0G17041-CALA  
Misc : A20F082, 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: Jul 20 12:21:19 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:43  
 Operator : MJB  
 Sample : 0G17041-CALB  
 Misc : A20C353, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:31:32 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds |       |       |         |         |        |        |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| Target Compounds            |       |       |         |         |        |        |
| 2) a-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 3) g-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 4) b-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 5) Heptachlor               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 6) d-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 7) Aldrin                   | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 8) Heptachlo...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 9) trans-Chl...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 11) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 13) Dieldrin                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 14) Endrin                  | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 16) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 18) Endrin Al...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 19) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 20) Methoxychlor            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 23) Hexachlor...            | 3.182 | 3.776 | 4669498 | 4887151 | 1.051  | 0.960  |
| 24) Hexachlor...            | 5.770 | 6.544 | 4691983 | 4319699 | 1.348  | 1.335  |
| 25) Oxychlorane             | 7.255 | 8.009 | 4346224 | 3816786 | 1.184  | 1.089  |
| 26) 2,4'-DDE                | 7.332 | 8.211 | 3231037 | 2813710 | 1.350  | 1.091  |
| 27) trans-Non...            | 7.511 | 8.283 | 4867111 | 4254521 | 1.135  | 1.052  |
| 28) 2,4'-DDD                | 7.704 | 8.584 | 2904094 | 2521607 | 1.359  | 1.213  |
| 29) 2,4'-DDT                | 7.886 | 8.809 | 3010061 | 2602143 | 1.486  | 1.239  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:43  
 Operator : MJB  
 Sample : 0G17041-CALB  
 Misc : A20C353, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:31:32 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

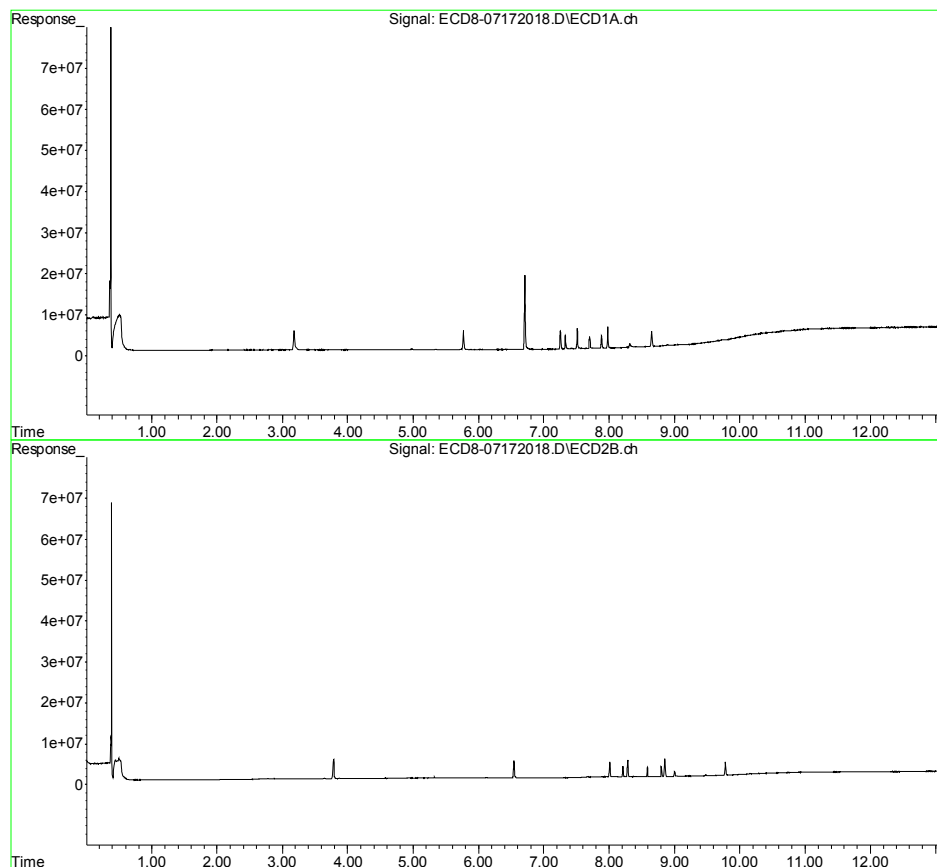
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL            |
|-----|--------------|-------|-------|---------|---------|--------|------------------|
| 30) | cis-Nonac... | 7.980 | 8.850 | 5147187 | 4492264 | 1.252  | <del>1.124</del> |
| 31) | Mirex        | 8.648 | 9.780 | 3681219 | 3252585 | 1.190  | 1.170            |
| 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\2020-07\0G17041\  
Data File : ECD8-07172018.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:43  
Operator : MJB  
Sample : 0G17041-CALB  
Misc : A20C353, 9-42 1 ppb  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:31:32 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:59  
 Operator : MJB  
 Sample : 0G17041-CALC  
 Misc : A20C354, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds |       |       |         |         |        |        |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| Target Compounds            |       |       |         |         |        |        |
| 2) a-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 3) g-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 4) b-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 5) Heptachlor               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 6) d-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 7) Aldrin                   | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 8) Heptachlo...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 9) trans-Chl...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 11) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 13) Dieldrin                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 14) Endrin                  | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 16) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 18) Endrin Al...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 19) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 20) Methoxychlor            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 23) Hexachlor...            | 3.182 | 3.776 | 7600210 | 8092131 | 1.830  | 1.707  |
| 24) Hexachlor...            | 5.771 | 6.544 | 7697940 | 6965613 | 2.333  | 2.269  |
| 25) Oxychlorane             | 7.255 | 8.010 | 7240444 | 6165205 | 2.101  | 1.891  |
| 26) 2,4'-DDE                | 7.331 | 8.210 | 5373567 | 4622970 | 2.245  | 1.953  |
| 27) trans-Non...            | 7.510 | 8.283 | 8145922 | 6801997 | 2.092  | 1.834  |
| 28) 2,4'-DDD                | 7.703 | 8.583 | 4748095 | 4134571 | 2.348  | 1.989  |
| 29) 2,4'-DDT                | 7.885 | 8.809 | 4798715 | 4124073 | 2.471  | 2.061  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172019.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 21:59  
 Operator : MJB  
 Sample : 0G17041-CALC  
 Misc : A20C354, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:09 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|---------|---------|--------|--------|
| 30) | cis-Nonac... | 7.979 | 8.850 | 8564156 | 7162885 | 2.083  | 1.792  |
| 31) | Mirex        | 8.647 | 9.779 | 5794391 | 5097573 | 2.058  | 1.995  |
| 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 |

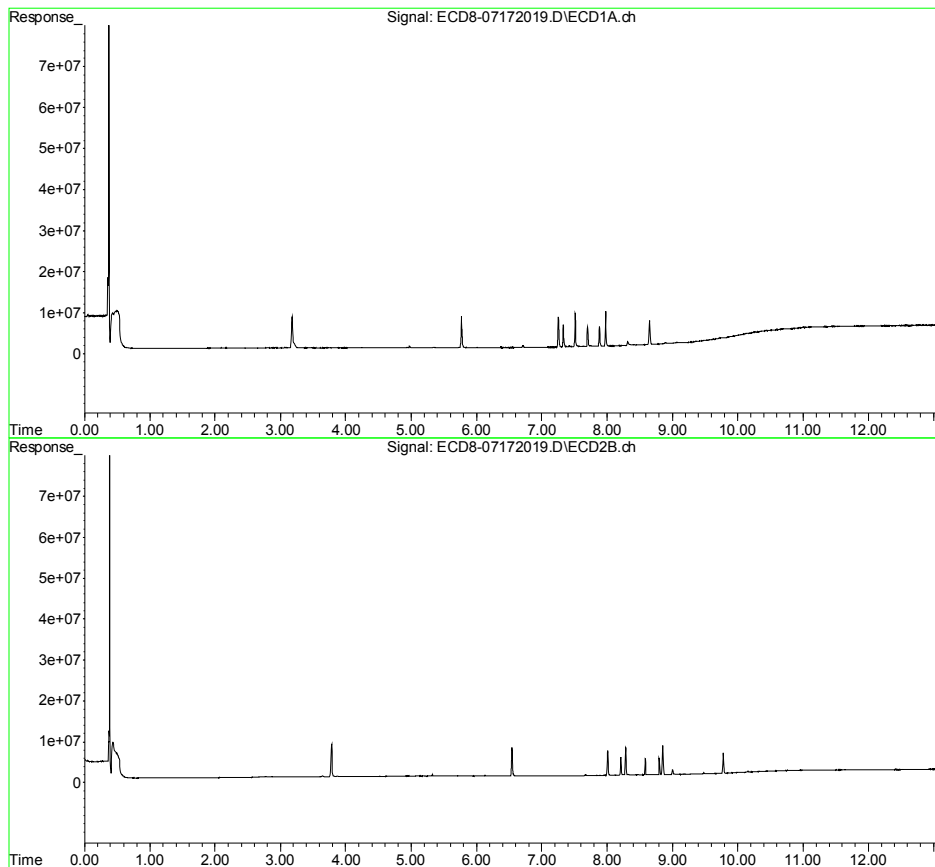
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172019.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 21:59  
Operator : MJB  
Sample : 0G17041-CALC  
Misc : A20C354, 9-42 2 ppb  
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:32:09 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172020.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:16  
 Operator : MJB  
 Sample : 0G17041-CALD  
 Misc : A20C355, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

Vialing error. Standard not  
 added to vial. Curve point not  
 being used in calibration.

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1   | RT#2    | Resp#1 | Resp#2 | ng/mL    | ng/mL      |
|-----------------------------|--------|---------|--------|--------|----------|------------|
| System Monitoring Compounds |        |         |        |        |          |            |
| 1) S TCMX (S)               | 5.376  | 6.077   | 12150  | 8059   | 0.003    | 0.002 #    |
| 22) S DCBP (S)              | 0.000  | 10.680f | 0      | 389879 | N.D.     | BelowCal   |
| Target Compounds            |        |         |        |        |          |            |
| 2) a-BHC                    | 0.000  | 6.689   | 0      | 16182  | N.D.     | 0.003 #    |
| 3) g-BHC                    | 0.000  | 7.002   | 0      | 11887  | N.D.     | 0.003 #    |
| 4) b-BHC                    | 6.314  | 7.055   | 12990  | 14239  | 0.007    | 0.008      |
| 5) Heptachlor               | 6.616  | 7.382   | 10647  | 15139  | 0.003    | 0.004 #    |
| 6) d-BHC                    | 0.000  | 7.329   | 0      | 12605  | N.D.     | 0.039 #    |
| 7) Aldrin                   | 0.000  | 7.673f  | 0      | 12252  | N.D.     | 0.003 #    |
| 8) Heptachlo...             | 7.313  | 8.085   | 12226  | 11353  | 0.003    | 0.003      |
| 9) trans-Chl...             | 7.421  | 8.248f  | 18576  | 135791 | 0.005    | 0.036 #    |
| 10) cis-Chlor...            | 7.547f | 8.329   | 75785  | 25067  | BelowCal | 0.007      |
| 11) Endosulfa...            | 7.600  | 8.383   | 16682  | 16367  | 0.005    | 0.005      |
| 12) 4,4'-DDE                | 7.587  | 0.000   | 32153  | 0      | 0.009    | N.D. #     |
| 13) Dieldrin                | 7.795  | 8.584   | 17242  | 13272  | 0.004    | 0.003      |
| 14) Endrin                  | 7.946  | 0.000   | 7466   | 0      | 0.002    | N.D. #     |
| 15) 4,4'-DDD                | 8.005  | 8.856   | 14989  | 15350  | 0.005    | BelowCal # |
| 16) Endosulfa...            | 8.126  | 8.930f  | 15472  | 12959  | 0.005    | 0.004      |
| 17) 4,4'-DDT                | 8.208  | 0.000   | 14703  | 0      | 0.016    | N.D. #     |
| 18) Endrin Al...            | 8.409  | 9.199   | 102445 | 59874  | BelowCal | 0.021      |
| 19) Endosulfa...            | 8.716  | 0.000   | 14604  | 0      | 0.005    | N.D. #     |
| 20) Methoxychlor            | 8.545  | 9.517f  | 26593  | 90239  | BelowCal | BelowCal   |
| 21) Endrin Ke...            | 8.883  | 0.000   | 14716  | 0      | 0.004    | N.D. #     |
| 23) Hexachlor...            | 0.000  | 0.000   | 0      | 0      | N.D.     | N.D.       |
| 24) Hexachlor...            | 5.775  | 6.556   | 14406  | 10052  | BelowCal | BelowCal   |
| 25) Oxychlorane             | 7.242  | 0.000   | 14850  | 0      | BelowCal | N.D.       |
| 26) 2,4'-DDE                | 7.313  | 8.248f  | 12226  | 135791 | 0.005    | BelowCal # |
| 27) trans-Non...            | 7.482f | 8.248f  | 19304  | 135791 | BelowCal | BelowCal   |
| 28) 2,4'-DDD                | 7.706  | 8.584   | 14665  | 13272  | BelowCal | 0.006      |
| 29) 2,4'-DDT                | 7.882  | 0.000   | 7929   | 0      | BelowCal | N.D.       |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:10:17 2020

Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172020.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:16  
 Operator : MJB  
 Sample : 0G17041-CALD  
 Misc : A20C355, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

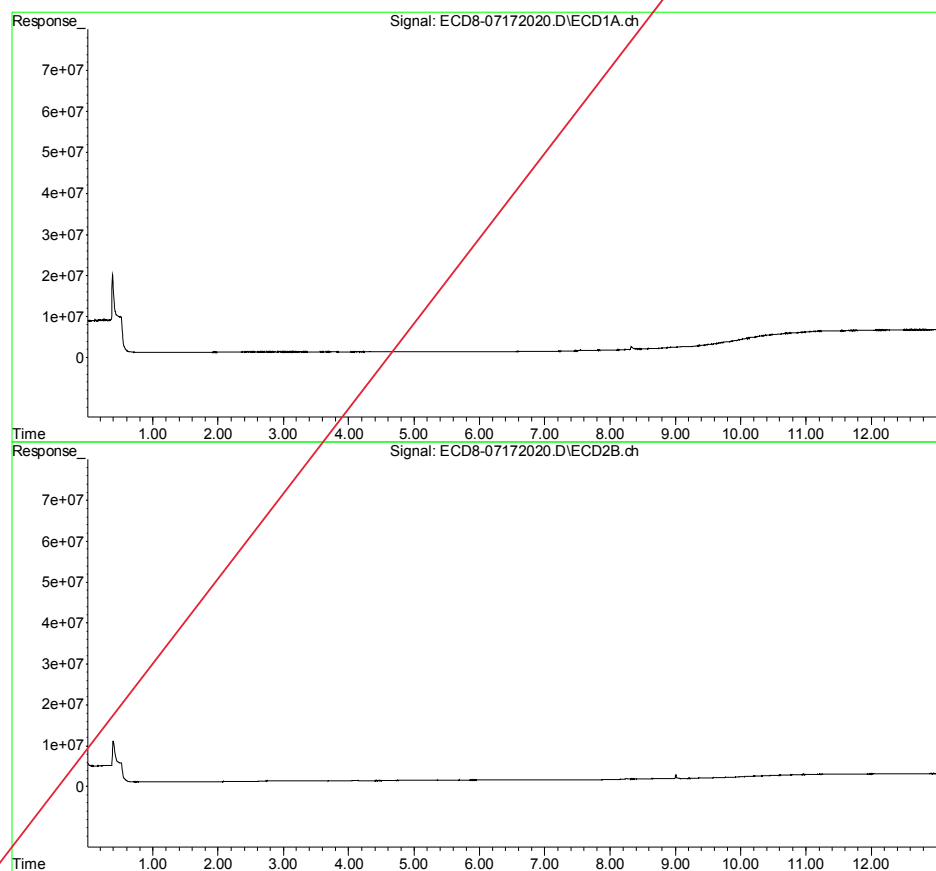
|     | Compound     | RT#1   | RT#2   | Resp#1 | Resp#2 | ng/mL      | ng/mL    |   |
|-----|--------------|--------|--------|--------|--------|------------|----------|---|
| 30) | cis-Nonac... | 7.946f | 8.856  | 7466   | 15350  | 0.002      | 0.004    | # |
| 31) | Mirex        | 8.663f | 0.000  | 11537  | 0      | BelowCal   | N.D.     |   |
| 32) | Chlordane... | 7.231f | 7.892  | 16032  | 7990   | 0.039      | 0.018    | # |
| 33) | Chlordane... | 7.305  | 7.963f | 11535  | 8435   | 0.022      | 0.023    |   |
| 34) | Chlordane... | 7.851  | 8.677  | 16386  | 8724   | 0.127      | 0.073    | # |
| 35) | Chlordane... | 0.000  | 0.000  | 0      | 0      | N.D.       | N.D.     |   |
| 36) | Toxaphene... | 7.267  | 8.248f | 10588  | 135791 | BelowCal   | 4.138    |   |
| 37) | Toxaphene... | 7.574  | 8.584  | 45749  | 13272  | 175390.690 | 0.312    | # |
| 38) | Toxaphene... | 7.882  | 8.603  | 7929   | 11242  | 0.109      | 0.178    | # |
| 39) | Toxaphene... | 8.126  | 8.677  | 15472  | 8724   | BelowCal   | BelowCal |   |
| 40) | Toxaphene... | 8.327f | 8.856  | 697114 | 15350  | 13.384     | 0.261    | # |
| 41) | Toxaphene... | 8.423  | 9.257f | 70457  | 53802  | 0.955      | 0.837    |   |
| 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\2020-07\0G17041\  
Data File : ECD8-07172020.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 22:16  
Operator : MJB  
Sample : 0G17041-CALD  
Misc : A20C355, 9-42 5 ppb  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:32:46 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:32  
 Operator : MJB  
 Sample : 0G17041-CALE  
 Misc : A20C356, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:58 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|----------|----------|--------|--------|
| -----                       |              |       |       |          |          |        |        |
| System Monitoring Compounds |              |       |       |          |          |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| Target Compounds            |              |       |       |          |          |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 3.181 | 3.775 | 35332963 | 36721685 | 9.198  | 8.355  |
| 24)                         | Hexachlor... | 5.770 | 6.543 | 35566930 | 32135008 | 11.406 | 11.018 |
| 25)                         | Oxychlorane  | 7.254 | 8.008 | 34117780 | 28358916 | 10.592 | 9.420  |
| 26)                         | 2,4'-DDE     | 7.329 | 8.209 | 25047340 | 21378162 | 10.465 | 9.834  |
| 27)                         | trans-Non... | 7.509 | 8.282 | 37992011 | 31448820 | 10.766 | 9.356  |
| 28)                         | 2,4'-DDD     | 7.702 | 8.582 | 21529553 | 18968821 | 11.275 | 9.127  |
| 29)                         | 2,4'-DDT     | 7.884 | 8.808 | 21949604 | 19241110 | 11.806 | 10.083 |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:10:21 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:32  
 Operator : MJB  
 Sample : 0G17041-CALE  
 Misc : A20C356, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:32:58 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

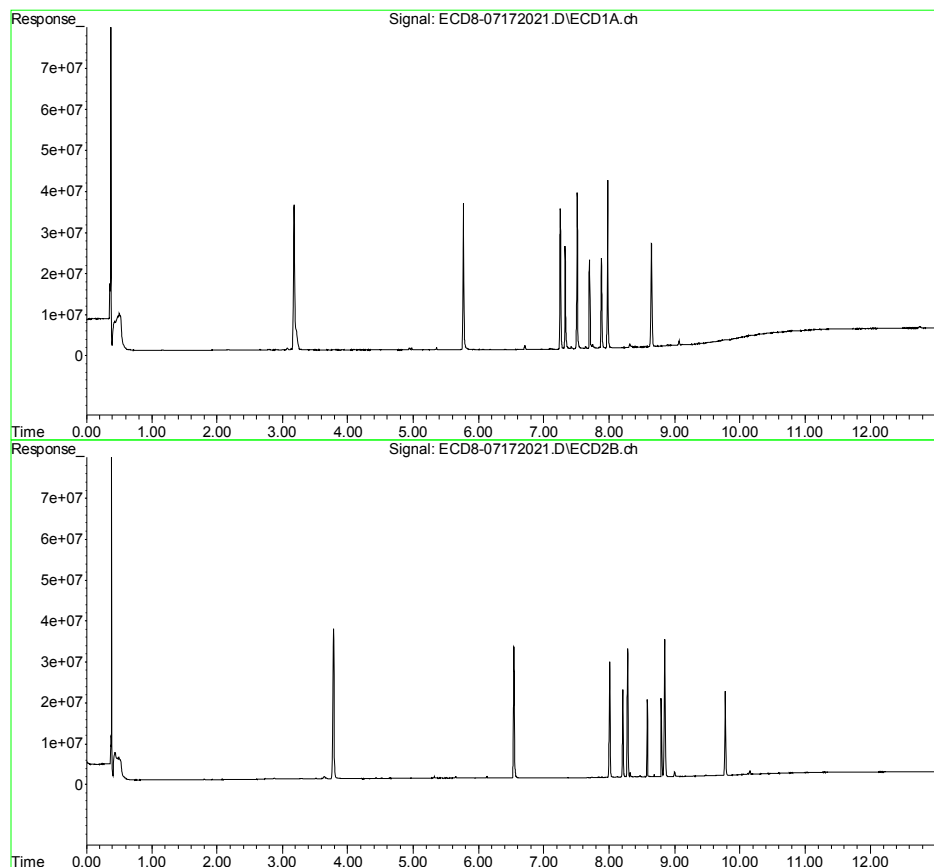
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL            | ng/mL            |
|-----|--------------|-------|-------|----------|----------|------------------|------------------|
| 30) | cis-Nonac... | 7.979 | 8.848 | 40773567 | 33695186 | 9.916            | <del>8.430</del> |
| 31) | Mirex        | 8.645 | 9.777 | 25109324 | 20625560 | <del>9.985</del> | 8.919            |
| 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\2020-07\0G17041\  
Data File : ECD8-07172021.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 22:32  
Operator : MJB  
Sample : 0G17041-CALE  
Misc : A20C356, 9-42 10 ppb  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:32:58 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:49  
 Operator : MJB  
 Sample : 0G17041-CALF  
 Misc : A20C357, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:33:33 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|----------|----------|--------|--------|
| -----                       |              |       |       |          |          |        |        |
| System Monitoring Compounds |              |       |       |          |          |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| Target Compounds            |              |       |       |          |          |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 3.180 | 3.774 | 86399539 | 96249551 | 22.760 | 22.059 |
| 24)                         | Hexachlor... | 5.769 | 6.543 | 88215529 | 86514647 | 28.259 | 29.139 |
| 25)                         | Oxychloro... | 7.251 | 8.007 | 84788230 | 75349040 | 26.456 | 25.090 |
| 26)                         | 2,4'-DDE     | 7.328 | 8.208 | 65289340 | 57066516 | 27.280 | 26.073 |
| 27)                         | trans-Non... | 7.507 | 8.281 | 93419999 | 82371686 | 26.699 | 24.641 |
| 28)                         | 2,4'-DDD     | 7.700 | 8.581 | 55721395 | 50483218 | 29.081 | 24.290 |
| 29)                         | 2,4'-DDT     | 7.883 | 8.807 | 59390486 | 52666887 | 31.547 | 27.020 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 22:49  
 Operator : MJB  
 Sample : 0G17041-CALF  
 Misc : A20C357, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:33:33 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

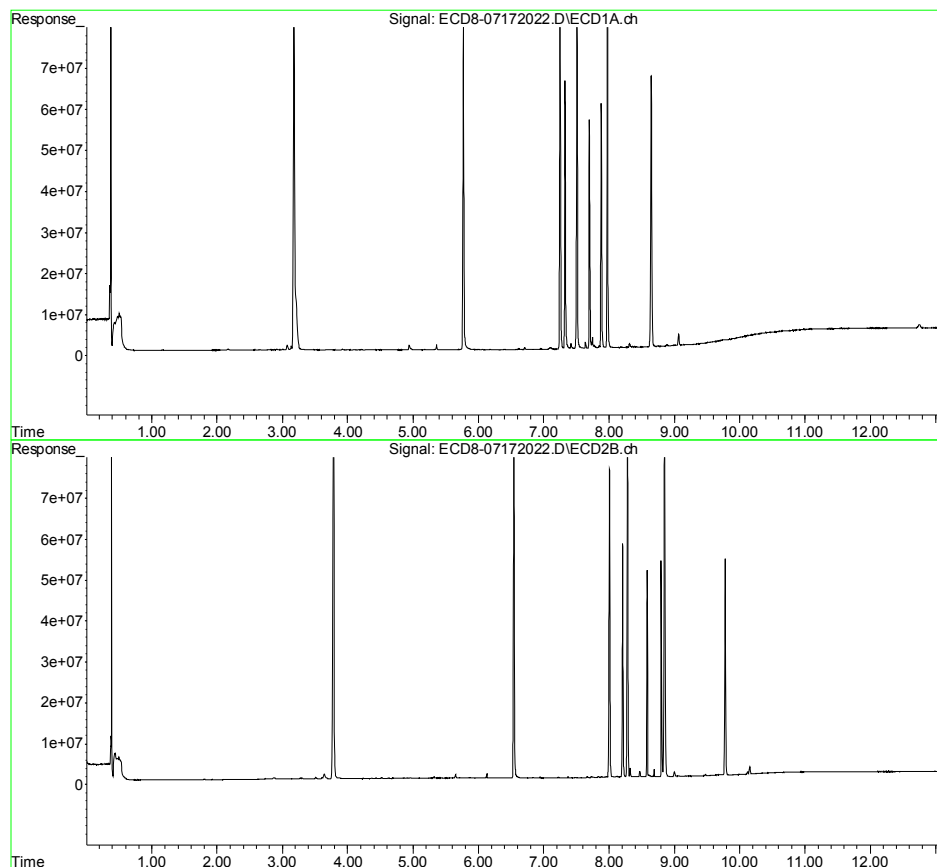
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL             | ng/mL             |
|-----|--------------|-------|-------|----------|----------|-------------------|-------------------|
| 30) | cis-Nonac... | 7.978 | 8.848 | 100.5E6  | 90269361 | 24.453            | <del>22.585</del> |
| 31) | Mirex        | 8.643 | 9.778 | 66062632 | 52976993 | <del>26.744</del> | 23.209            |
| 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\2020-07\0G17041\  
Data File : ECD8-07172022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 22:49  
Operator : MJB  
Sample : 0G17041-CALF  
Misc : A20C357, 9-42 25 ppb  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:33:33 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:05  
 Operator : MJB  
 Sample : 0G17041-CALG  
 Misc : A20C358, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:20:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds |       |       |         |         |        |        |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| Target Compounds            |       |       |         |         |        |        |
| 2) a-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 3) g-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 4) b-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 5) Heptachlor               | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 6) d-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 7) Aldrin                   | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 8) Heptachlo...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 9) trans-Chl...             | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 11) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 13) Dieldrin                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 14) Endrin                  | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 16) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 18) Endrin Al...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 19) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 20) Methoxychlor            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 23) Hexachlor...            | 3.181 | 3.775 | 183.5E6 | 211.0E6 | 48.531 | 48.042 |
| 24) Hexachlor...            | 5.768 | 6.543 | 188.0E6 | 188.3E6 | 59.255 | 60.649 |
| 25) Oxychlorane             | 7.248 | 8.006 | 180.6E6 | 162.3E6 | 55.973 | 53.199 |
| 26) 2,4'-DDE                | 7.325 | 8.208 | 136.0E6 | 128.0E6 | 56.831 | 56.430 |
| 27) trans-Non...            | 7.505 | 8.280 | 199.5E6 | 181.3E6 | 56.589 | 53.414 |
| 28) 2,4'-DDD                | 7.697 | 8.581 | 121.4E6 | 110.3E6 | 61.954 | 53.085 |
| 29) 2,4'-DDT                | 7.880 | 8.806 | 130.0E6 | 124.0E6 | 66.715 | 60.146 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172023.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:05  
 Operator : MJB  
 Sample : 0G17041-CALG  
 Misc : A20C358, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:20:22 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:10:31 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

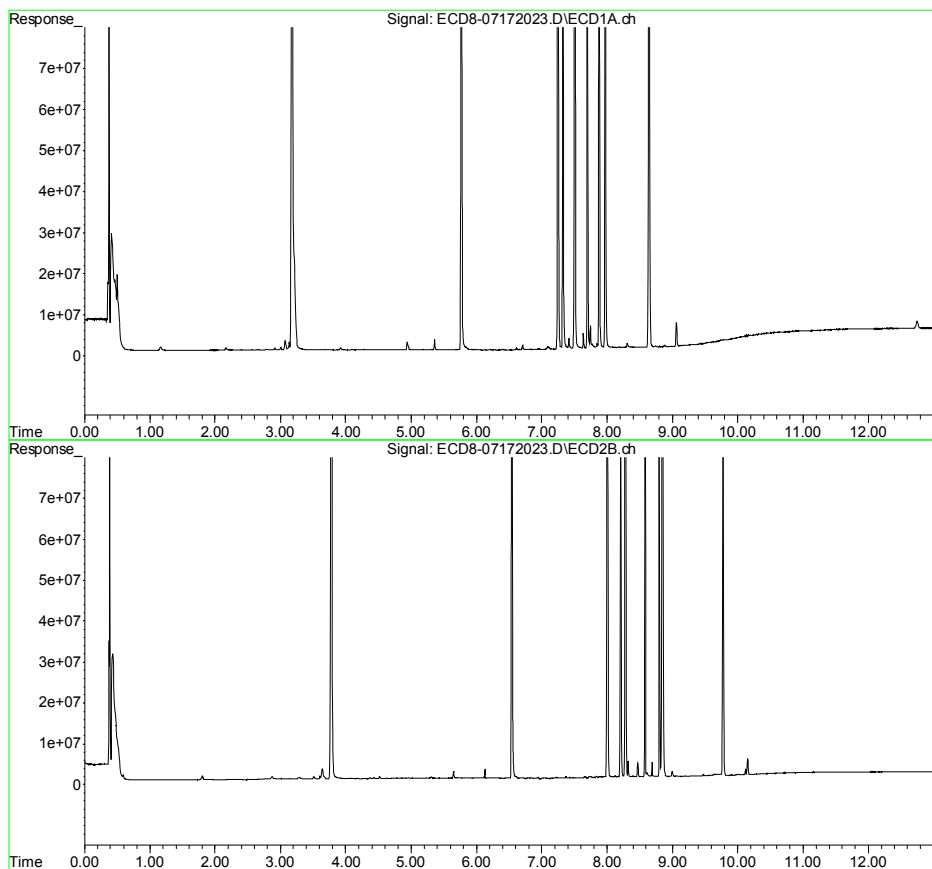
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL             | ng/mL             |
|-----|--------------|-------|-------|---------|---------|-------------------|-------------------|
| 30) | cis-Nonac... | 7.975 | 8.847 | 217.3E6 | 205.3E6 | 52.847            | <del>51.361</del> |
| 31) | Mirex        | 8.641 | 9.776 | 140.0E6 | 118.4E6 | <del>56.847</del> | 51.572            |
| 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\2020-07\0G17041\  
Data File : ECD8-07172023.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:05  
Operator : MJB  
Sample : 0G17041-CALG  
Misc : A20C358, 9-42 50 ppb  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:20:22 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:10:31 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:22  
 Operator : MJB  
 Sample : 0G17041-CALH  
 Misc : A20C359, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:34:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL   | ng/mL   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| Target Compounds            |       |       |         |         |         |         |
| 2) a-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 3) g-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 4) b-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 5) Heptachlor               | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 6) d-BHC                    | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 7) Aldrin                   | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 8) Heptachlo...             | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 9) trans-Chl...             | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 11) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 13) Dieldrin                | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 14) Endrin                  | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 16) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 18) Endrin Al...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 19) Endosulfa...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 20) Methoxychlor            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 23) Hexachlor...            | 3.182 | 3.776 | 299.3E6 | 352.3E6 | 79.207  | 79.301  |
| 24) Hexachlor...            | 5.769 | 6.543 | 346.8E6 | 354.3E6 | 106.273 | 106.895 |
| 25) Oxychlorane             | 7.250 | 8.007 | 321.9E6 | 301.9E6 | 98.370  | 96.123  |
| 26) 2,4'-DDE                | 7.326 | 8.208 | 252.6E6 | 249.1E6 | 105.542 | 103.589 |
| 27) trans-Non...            | 7.505 | 8.281 | 356.0E6 | 346.6E6 | 99.306  | 99.134  |
| 28) 2,4'-DDD                | 7.698 | 8.581 | 218.7E6 | 218.1E6 | 107.957 | 104.959 |
| 29) 2,4'-DDT                | 7.880 | 8.806 | 224.7E6 | 217.7E6 | 110.334 | 99.061  |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172024.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:22  
 Operator : MJB  
 Sample : 0G17041-CALH  
 Misc : A20C359, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:34:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

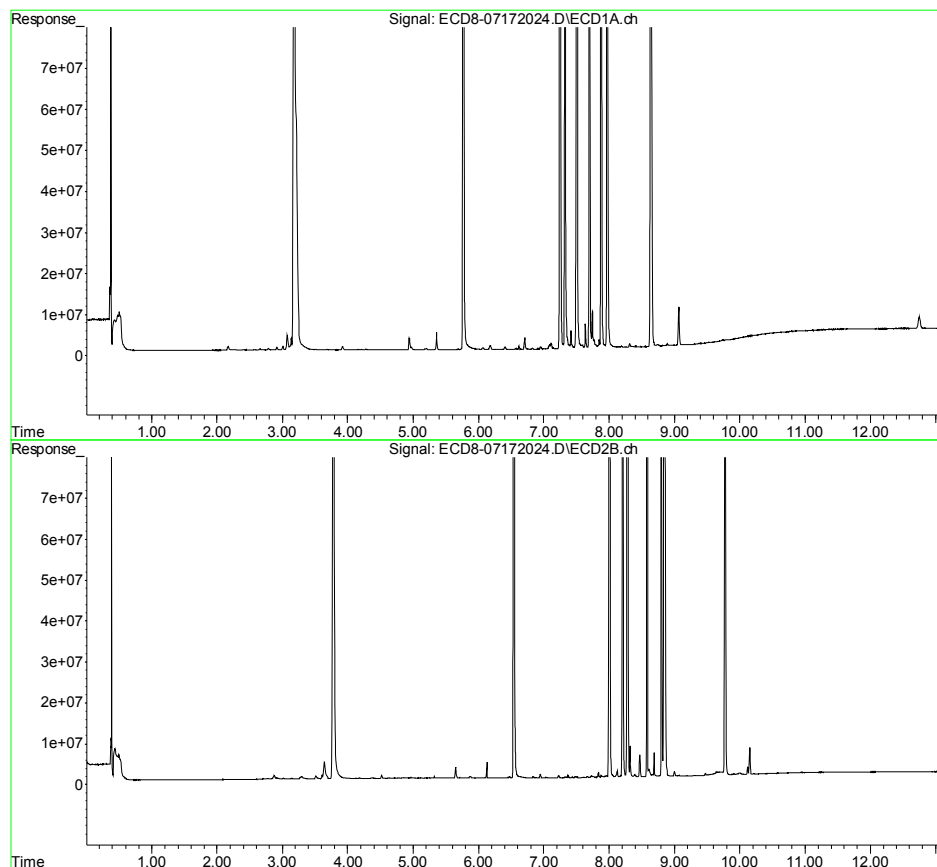
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL   | ng/mL  |
|-----|--------------|-------|-------|---------|---------|---------|--------|
| 30) | cis-Nonac... | 7.975 | 8.847 | 390.0E6 | 388.4E6 | 94.851  | 97.182 |
| 31) | Mirex        | 8.642 | 9.776 | 247.1E6 | 214.9E6 | 100.017 | 92.192 |
| 32) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 36) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 37) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 38) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 39) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 40) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 41) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 42) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172024.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:22  
Operator : MJB  
Sample : 0G17041-CALH  
Misc : A20C359, 9-42 100 ppb  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:34:06 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:38  
 Operator : MJB  
 Sample : 0G17041-CALI  
 Misc : A20C352, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:34:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL   | ng/mL   |
|-----------------------------|--------------|-------|-------|---------|---------|---------|---------|
| -----                       |              |       |       |         |         |         |         |
| System Monitoring Compounds |              |       |       |         |         |         |         |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| Target Compounds            |              |       |       |         |         |         |         |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 14)                         | Endrin       | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d  |
| 23)                         | Hexachlor... | 3.180 | 3.775 | 737.3E6 | 929.9E6 | 194.935 | 199.750 |
| 24)                         | Hexachlor... | 5.769 | 6.543 | 751.7E6 | 818.7E6 | 215.969 | 214.803 |
| 25)                         | Oxychlorane  | 7.250 | 8.007 | 695.4E6 | 712.2E6 | 204.929 | 210.183 |
| 26)                         | 2,4'-DDE     | 7.326 | 8.208 | 544.0E6 | 553.7E6 | 227.302 | 204.840 |
| 27)                         | trans-Non... | 7.504 | 8.280 | 771.1E6 | 792.9E6 | 205.918 | 210.829 |
| 28)                         | 2,4'-DDD     | 7.698 | 8.581 | 465.0E6 | 490.5E6 | 213.001 | 235.994 |
| 29)                         | 2,4'-DDT     | 7.880 | 8.806 | 501.2E6 | 517.9E6 | 221.568 | 201.960 |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:10:37 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172025.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2020 23:38  
 Operator : MJB  
 Sample : 0G17041-CALI  
 Misc : A20C352, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:34:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:21:03 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

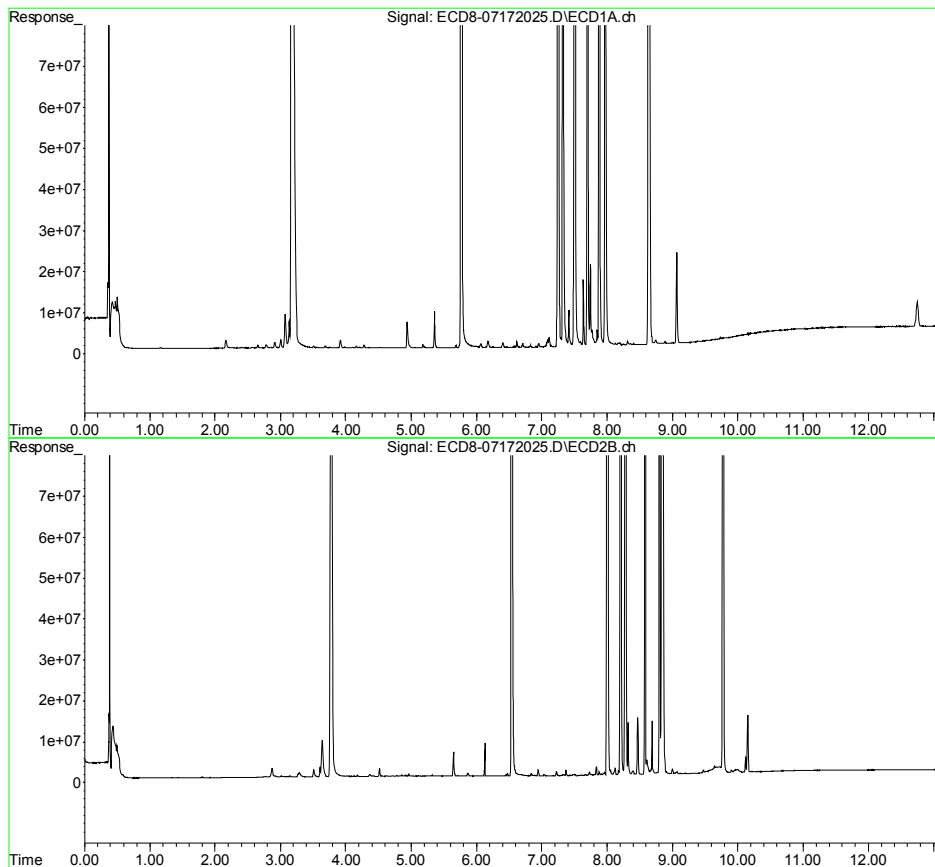
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL   | ng/mL   |
|-----|--------------|-------|-------|---------|---------|---------|---------|
| 30) | cis-Nonac... | 7.975 | 8.847 | 850.4E6 | 856.7E6 | 206.823 | 214.339 |
| 31) | Mirex        | 8.641 | 9.776 | 522.6E6 | 503.9E6 | 209.207 | 206.467 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172025.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Jul 2020 23:38  
Operator : MJB  
Sample : 0G17041-CALI  
Misc : A20C352, 9-42 200 ppb  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:34:47 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:21:03 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:28  
 Operator : MJB  
 Sample : 0G17041-CALJ  
 Misc : A20G271, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:37:42 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:28  
 Operator : MJB  
 Sample : 0G17041-CALJ  
 Misc : A20G271, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:37:42 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

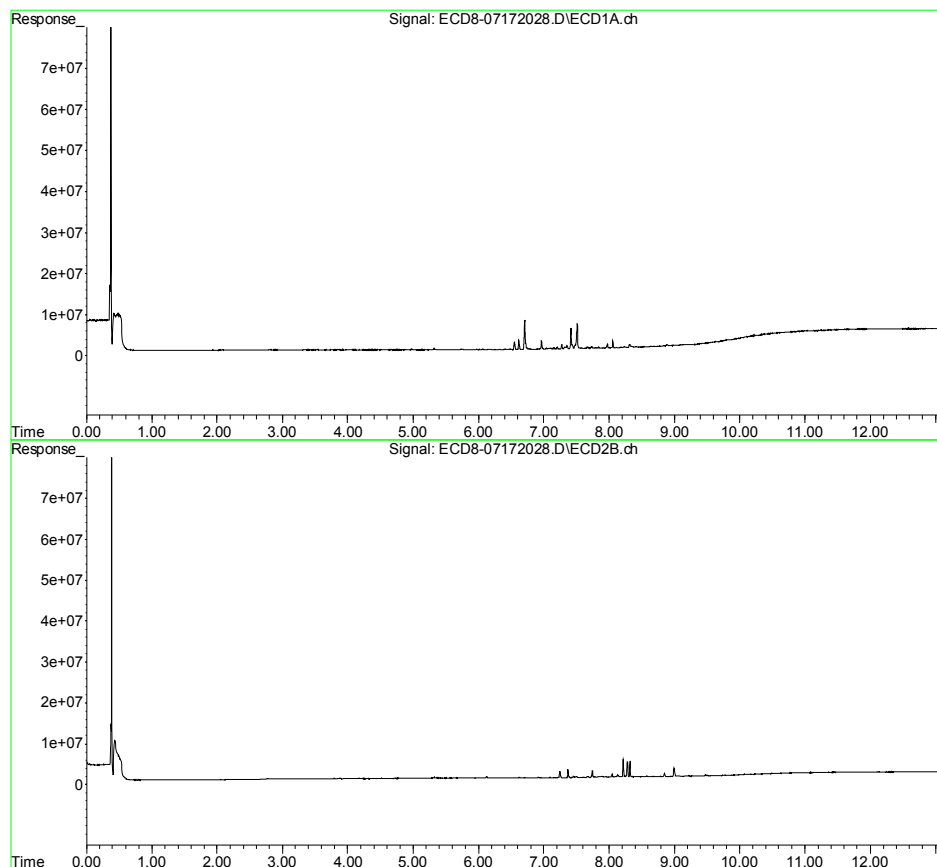
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL    |
|-----|--------------|-------|-------|---------|---------|--------|----------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d   |
| 31) | Mirex        | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d   |
| 32) | Chlordane... | 7.418 | 8.216 | 5115943 | 4529535 | 12.385 | 10.457   |
| 33) | Chlordane... | 7.511 | 8.323 | 6021217 | 4030003 | 11.703 | 11.046   |
| 34) | Chlordane... | 8.058 | 8.990 | 1709262 | 2118453 | 13.222 | 17.761 # |
| 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\2020-07\0G17041\  
Data File : ECD8-07172028.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:28  
Operator : MJB  
Sample : 0G17041-CALJ  
Misc : A20G271, CHLOR 10 ppb  
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:37:42 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172029.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:45  
 Operator : MJB  
 Sample : 0G17041-CALK  
 Misc : A20F057, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:38:15 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172029.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 00:45  
 Operator : MJB  
 Sample : 0G17041-CALK  
 Misc : A20F057, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:38:15 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|----------|----------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d | N.D. d |
| 32) | Chlordane... | 7.418 | 8.216 | 21933232 | 20236642 | 53.099 | 46.720 |
| 33) | Chlordane... | 7.510 | 8.323 | 27287272 | 16860637 | 53.036 | 46.213 |
| 34) | Chlordane... | 8.057 | 8.988 | 6922066  | 5973393  | 53.544 | 50.081 |
| 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 |

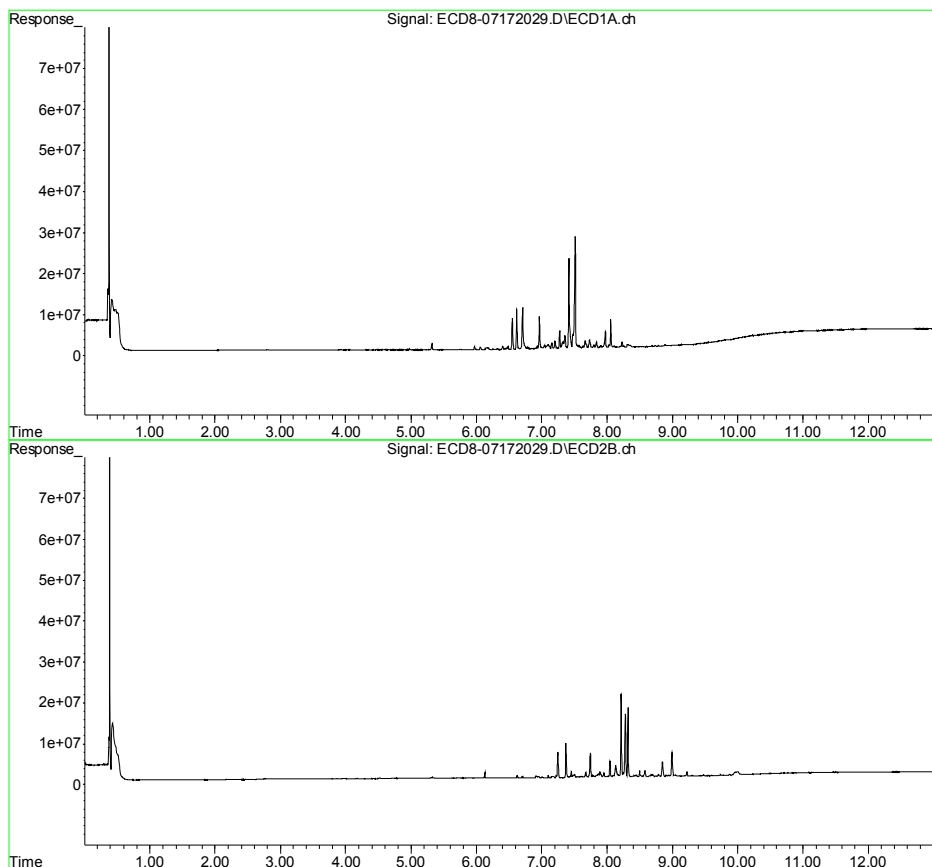
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172029.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 00:45  
Operator : MJB  
Sample : 0G17041-CALK  
Misc : A20F057, CHLOR 50 ppb  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:38:15 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172030.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:01  
 Operator : MJB  
 Sample : 0G17041-CALL  
 Misc : A20F058, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:38:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172030.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:01  
 Operator : MJB  
 Sample : 0G17041-CALL  
 Misc : A20F058, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:38:46 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

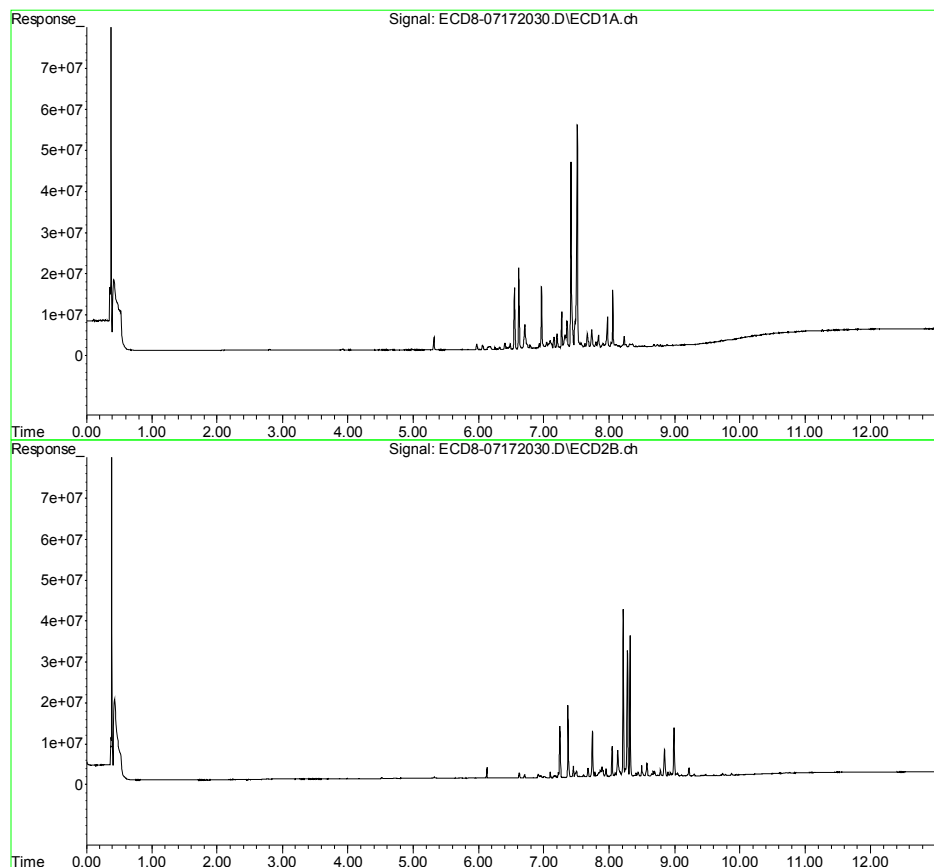
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL   | ng/mL  |
|-----|--------------|-------|-------|----------|----------|---------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d |
| 32) | Chlordane... | 7.417 | 8.216 | 45334776 | 41073469 | 109.752 | 94.827 |
| 33) | Chlordane... | 7.510 | 8.323 | 54515398 | 34505201 | 105.958 | 94.575 |
| 34) | Chlordane... | 8.057 | 8.987 | 13977696 | 11775011 | 108.122 | 98.721 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172030.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:01  
Operator : MJB  
Sample : 0G17041-CALL  
Misc : A20F058, CHLOR 100 ppb  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:38:46 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172031.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:18  
 Operator : MJB  
 Sample : 0G17041-CALM  
 Misc : A20F059, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:39:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:10:53 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172031.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:18  
 Operator : MJB  
 Sample : 0G17041-CALM  
 Misc : A20F059, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:39:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

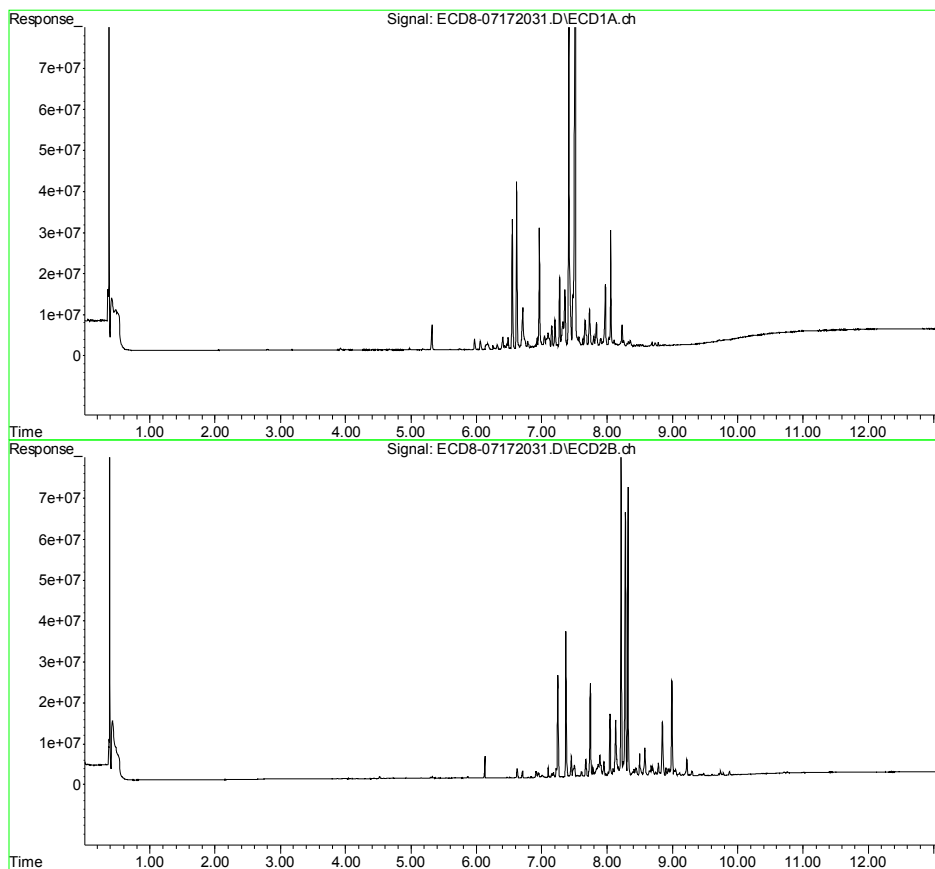
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL   | ng/mL   |
|-----|--------------|-------|-------|----------|----------|---------|---------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 32) | Chlordane... | 7.417 | 8.215 | 88984346 | 84764039 | 215.424 | 195.695 |
| 33) | Chlordane... | 7.510 | 8.323 | 107.2E6  | 70570514 | 208.287 | 193.427 |
| 34) | Chlordane... | 8.057 | 8.987 | 28546944 | 23414602 | 220.819 | 196.308 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172031.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:18  
Operator : MJB  
Sample : 0G17041-CALM  
Misc : A20F059, CHLOR 200 ppb  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:39:17 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172032.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:34  
 Operator : MJB  
 Sample : 0G17041-CALN  
 Misc : A20F060, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:39:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:10:57 2020

Page: 1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172032.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:34  
 Operator : MJB  
 Sample : 0G17041-CALN  
 Misc : A20F060, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:39:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

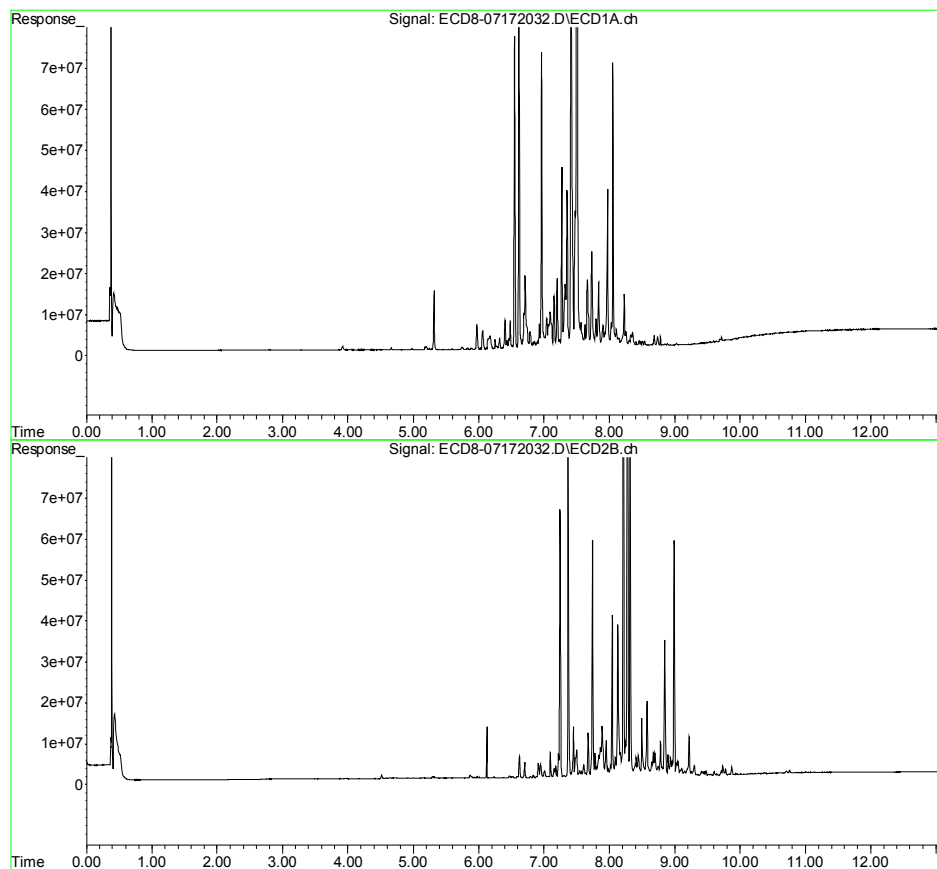
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL   | ng/mL   |
|-----|--------------|-------|-------|----------|----------|---------|---------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 32) | Chlordane... | 7.416 | 8.215 | 216.7E6  | 217.9E6  | 524.558 | 503.124 |
| 33) | Chlordane... | 7.509 | 8.322 | 262.6E6  | 181.6E6  | 510.352 | 497.617 |
| 34) | Chlordane... | 8.056 | 8.987 | 69089699 | 57328312 | 534.429 | 480.639 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172032.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:34  
Operator : MJB  
Sample : 0G17041-CALN  
Misc : A20F060, CHLOR 500 ppb  
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:39:47 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172033.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:51  
 Operator : MJB  
 Sample : 0G17041-CALO  
 Misc : A20F061, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1 MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:40:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172033.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 1:51  
 Operator : MJB  
 Sample : 0G17041-CALO  
 Misc : A20F061, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:40:17 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

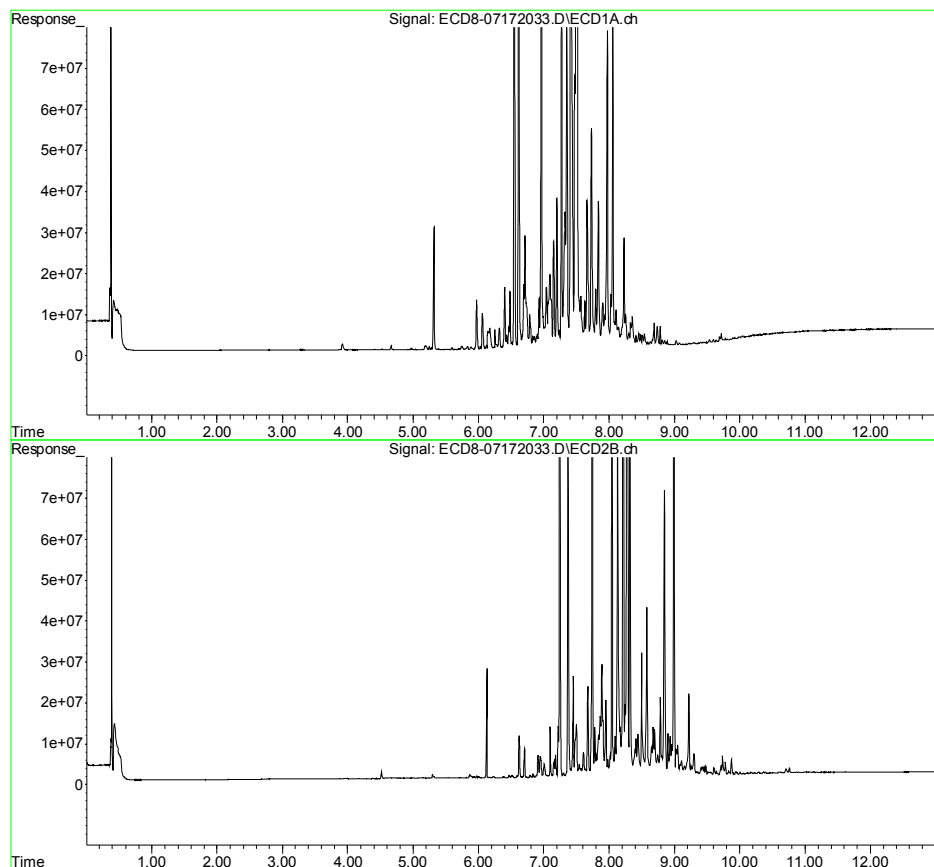
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL    | ng/mL    |
|-----|--------------|-------|-------|---------|---------|----------|----------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0       | 0       | N.D. d   | N.D. d   |
| 31) | Mirex        | 0.000 | 0.000 | 0       | 0       | N.D. d   | N.D. d   |
| 32) | Chlordane... | 7.415 | 8.215 | 438.8E6 | 469.3E6 | 1062.268 | 1083.566 |
| 33) | Chlordane... | 7.508 | 8.322 | 549.2E6 | 393.9E6 | 1067.473 | 1079.670 |
| 34) | Chlordane... | 8.056 | 8.987 | 145.4E6 | 123.9E6 | 1124.906 | 1038.470 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172033.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 1:51  
Operator : MJB  
Sample : 0G17041-CALO  
Misc : A20F061, CHLOR 1000 ppb  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:40:17 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:07  
 Operator : MJB  
 Sample : 0G17041-CALP  
 Misc : A20F056, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:40:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds |       |       |        |        |        |        |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |       |       |        |        |        |        |
| 2) a-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3) g-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4) b-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5) Heptachlor               | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6) d-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7) Aldrin                   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8) Heptachlo...             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9) trans-Chl...             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13) Dieldrin                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14) Endrin                  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18) Endrin Al...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20) Methoxychlor            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23) Hexachlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24) Hexachlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25) Oxychlorane             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26) 2,4'-DDE                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27) trans-Non...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28) 2,4'-DDD                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29) 2,4'-DDT                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172034.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:07  
 Operator : MJB  
 Sample : 0G17041-CALP  
 Misc : A20F056, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:40:47 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

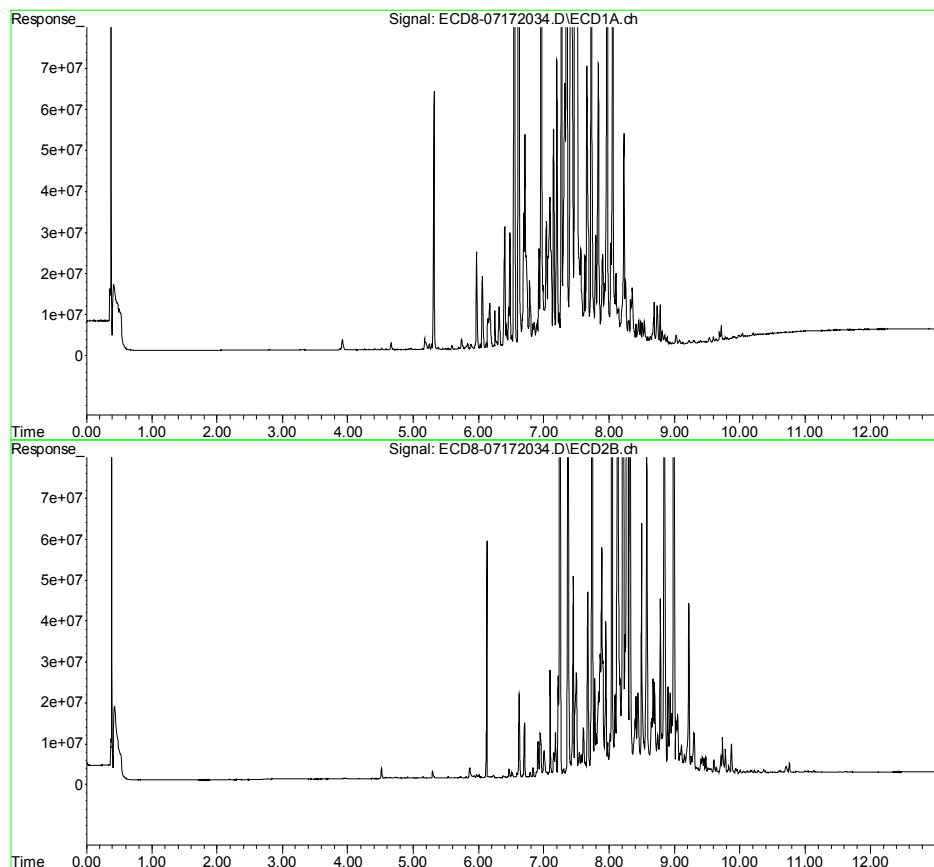
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/mL    | ng/mL    |
|-----|--------------|-------|-------|----------|---------|----------|----------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0       | N.D. d   | N.D. d   |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0       | N.D. d   | N.D. d   |
| 32) | Chlordane... | 7.414 | 8.214 | 892.1E6  | 990.5E6 | 2159.811 | 2286.680 |
| 33) | Chlordane... | 7.507 | 8.322 | 1096.4E6 | 820.9E6 | 2130.976 | 2250.099 |
| 34) | Chlordane... | 8.055 | 8.987 | 279.6E6  | 255.3E6 | 2162.452 | 2140.528 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172034.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:07  
Operator : MJB  
Sample : 0G17041-CALP  
Misc : A20F056, CHLOR 2000 ppb  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:40:47 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172037.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:57  
 Operator : MJB  
 Sample : 0G17041-CALQ  
 Misc : A20F084, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:43:26 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172037.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 2:57  
 Operator : MJB  
 Sample : 0G17041-CALQ  
 Misc : A20F084, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:43:26 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

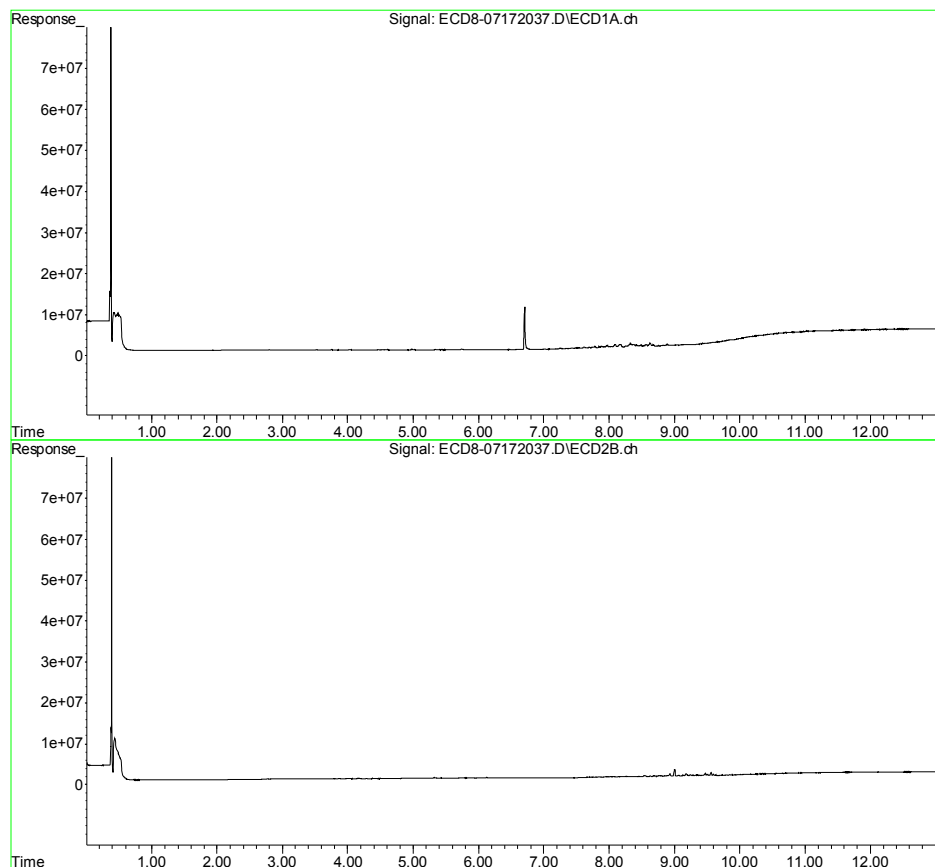
|     | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2  | ng/mL  | ng/mL      |
|-----|--------------|-------|-------|--------|---------|--------|------------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 31) | Mirex        | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 32) | Chlordane... | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 33) | Chlordane... | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 34) | Chlordane... | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 35) | Chlordane... | 0.000 | 0.000 | 0      | 0       | N.D. d | N.D. d     |
| 36) | Toxaphene... | 7.490 | 8.552 | 168184 | 335512  | 6.473  | 10.225 #   |
| 37) | Toxaphene... | 7.783 | 8.899 | 425175 | 413915  | 9.814  | 9.720      |
| 38) | Toxaphene... | 8.094 | 8.935 | 808329 | 723456  | 11.142 | 11.450     |
| 39) | Toxaphene... | 8.333 | 8.999 | 997698 | 1563268 | 6.876  | BelowCal # |
| 40) | Toxaphene... | 8.562 | 9.178 | 570568 | 645897  | 10.955 | 11.000     |
| 41) | Toxaphene... | 8.631 | 9.561 | 869784 | 734974  | 11.786 | 11.440     |
| 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\2020-07\0G17041\  
Data File : ECD8-07172037.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 2:57  
Operator : MJB  
Sample : 0G17041-CALQ  
Misc : A20F084, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:43:26 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172038.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:13  
 Operator : MJB  
 Sample : 0G17041-CALR  
 Misc : A20F064, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:44:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:11:13 2020

Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172038.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:13  
 Operator : MJB  
 Sample : 0G17041-CALR  
 Misc : A20F064, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:44:06 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

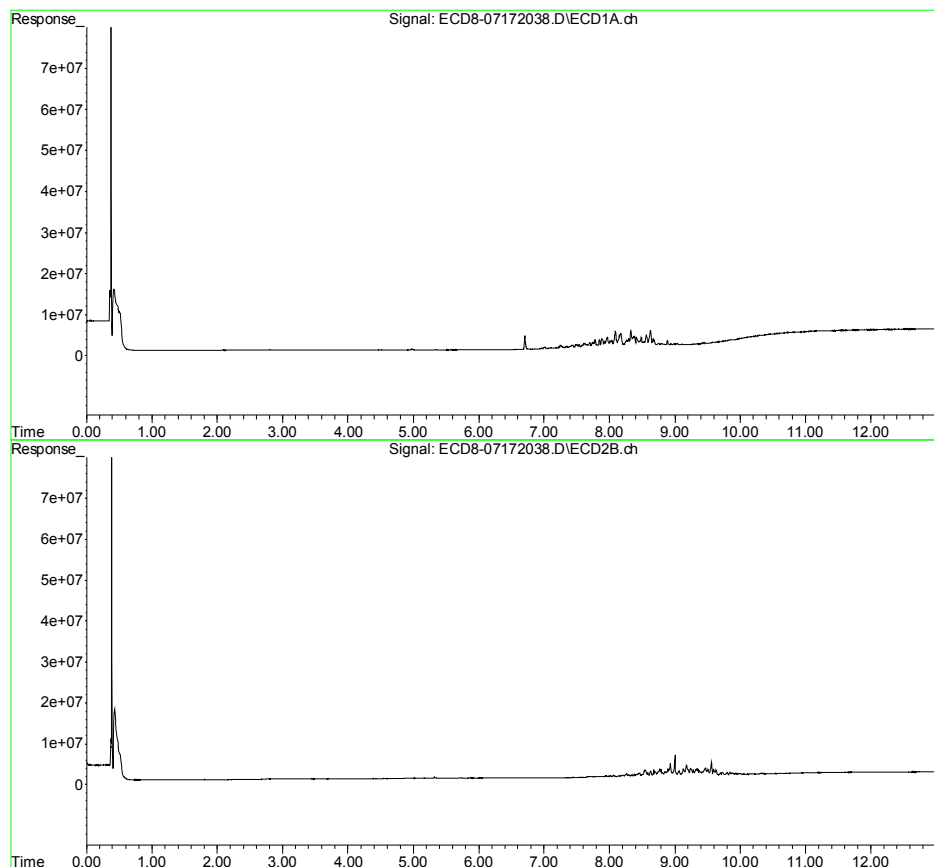
|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL  | ng/mL  |
|-----|--------------|-------|-------|---------|---------|--------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d | N.D. d |
| 36) | Toxaphene... | 7.490 | 8.551 | 855942  | 1583081 | 50.078 | 48.244 |
| 37) | Toxaphene... | 7.783 | 8.900 | 1738004 | 1974286 | 51.602 | 46.361 |
| 38) | Toxaphene... | 8.094 | 8.935 | 3711254 | 3092409 | 51.157 | 48.941 |
| 39) | Toxaphene... | 8.334 | 9.002 | 3700248 | 5159111 | 51.257 | 38.602 |
| 40) | Toxaphene... | 8.561 | 9.178 | 2695138 | 2784741 | 51.746 | 47.428 |
| 41) | Toxaphene... | 8.629 | 9.561 | 3727757 | 3145055 | 50.514 | 48.954 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172038.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:13  
Operator : MJB  
Sample : 0G17041-CALR  
Misc : A20F064, TOX 50 ppb  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:44:06 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172039.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:30  
 Operator : MJB  
 Sample : 0G17041-CALS  
 Misc : A20F065, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:44:40 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172039.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:30  
 Operator : MJB  
 Sample : 0G17041-CALS  
 Misc : A20F065, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:44:40 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|     | Compound     | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/mL   | ng/mL  |
|-----|--------------|-------|-------|---------|---------|---------|--------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 31) | Mirex        | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 32) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 33) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 34) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 35) | Chlordane... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |
| 36) | Toxaphene... | 7.490 | 8.552 | 1712669 | 3003906 | 104.279 | 91.544 |
| 37) | Toxaphene... | 7.782 | 8.898 | 3397116 | 3932330 | 104.441 | 92.341 |
| 38) | Toxaphene... | 8.094 | 8.935 | 7343945 | 6129499 | 101.231 | 97.007 |
| 39) | Toxaphene... | 8.334 | 9.002 | 6896854 | 9694013 | 103.390 | 88.090 |
| 40) | Toxaphene... | 8.561 | 9.179 | 5572830 | 5437553 | 106.997 | 92.608 |
| 41) | Toxaphene... | 8.629 | 9.560 | 7361756 | 6294054 | 99.758  | 97.968 |
| 42) | Toxaphene... | 0.000 | 0.000 | 0       | 0       | N.D. d  | N.D. d |

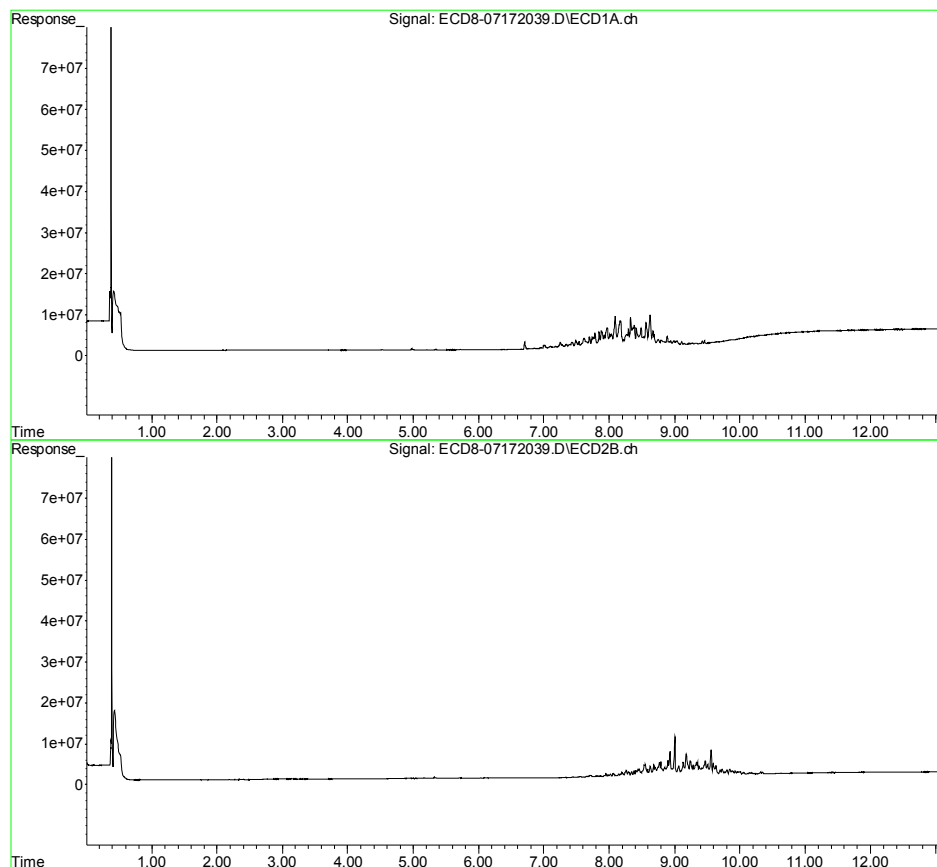
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
Data File : ECD8-07172039.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:30  
Operator : MJB  
Sample : 0G17041-CALS  
Misc : A20F065, TOX 100 ppb  
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:44:40 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172040.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:46  
 Operator : MJB  
 Sample : 0G17041-CALT  
 Misc : A20F066, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:45:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:11:21 2020

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172040.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 3:46  
 Operator : MJB  
 Sample : 0G17041-CALT  
 Misc : A20F066, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:45:13 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

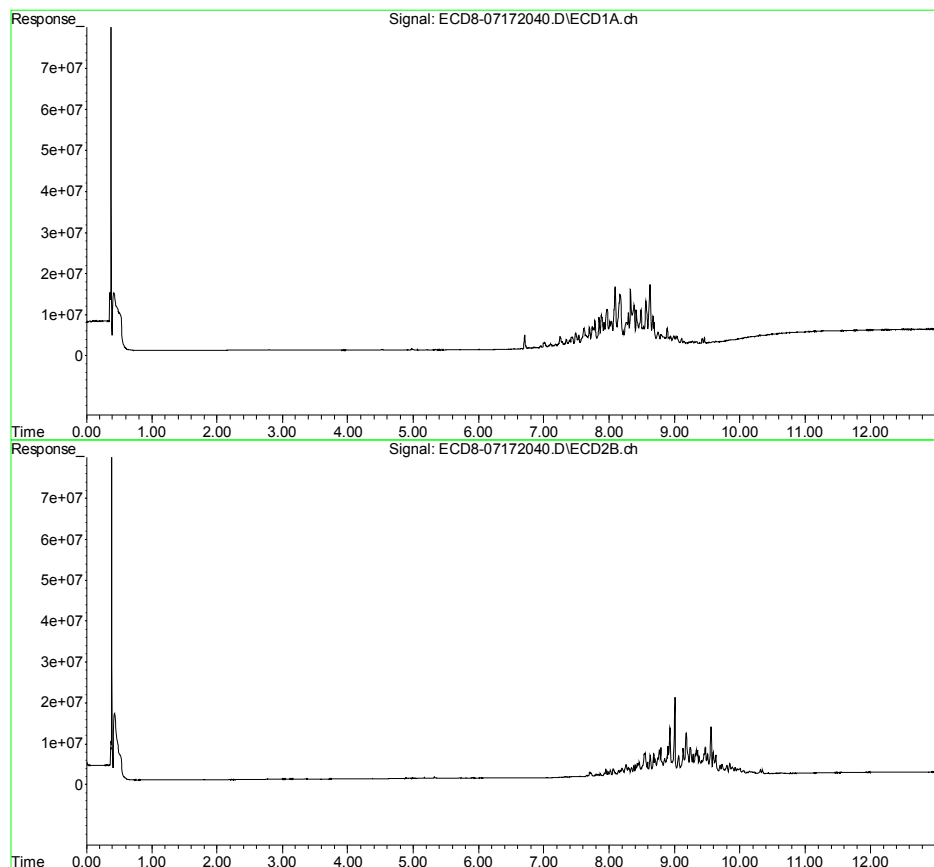
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL   | ng/mL   |
|-----|--------------|-------|-------|----------|----------|---------|---------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 32) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 33) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 34) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 35) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 36) | Toxaphene... | 7.490 | 8.551 | 3430159  | 5816913  | 212.552 | 177.270 |
| 37) | Toxaphene... | 7.781 | 8.899 | 6458181  | 7444456  | 202.013 | 174.815 |
| 38) | Toxaphene... | 8.093 | 8.935 | 14476901 | 11772898 | 199.554 | 186.320 |
| 39) | Toxaphene... | 8.334 | 9.002 | 13583543 | 19284549 | 211.214 | 190.549 |
| 40) | Toxaphene... | 8.561 | 9.179 | 10740544 | 10508119 | 206.215 | 178.966 |
| 41) | Toxaphene... | 8.629 | 9.561 | 14740876 | 11966817 | 199.751 | 186.266 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172040.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 3:46  
Operator : MJB  
Sample : 0G17041-CALT  
Misc : A20F066, TOX 200 ppb  
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:45:13 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172041.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:03  
 Operator : MJB  
 Sample : 0G17041-CALU  
 Misc : A20D430, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:42:30 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

ECD8\_QUANTPEST\_200717.M Mon Jul 20 13:11:25 2020

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172041.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:03  
 Operator : MJB  
 Sample : 0G17041-CALU  
 Misc : A20D430, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:42:30 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:37:26 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

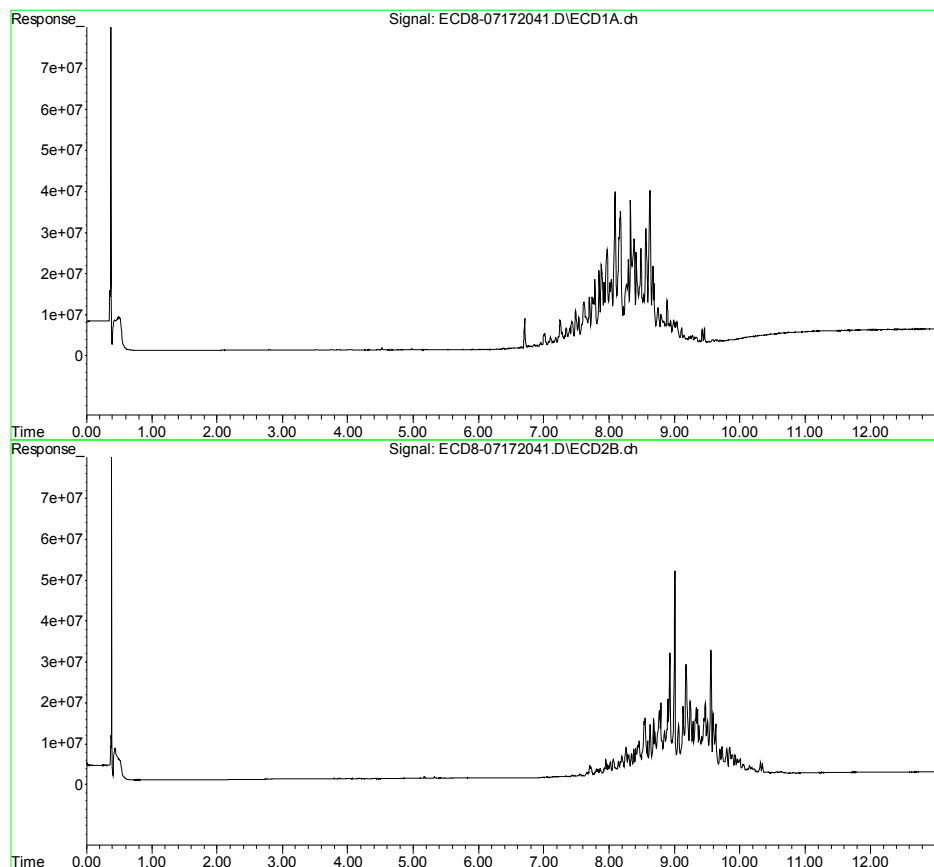
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL   | ng/mL   |
|-----|--------------|-------|-------|----------|----------|---------|---------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 32) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 33) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 34) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 35) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d  | N.D. d  |
| 36) | Toxaphene... | 7.489 | 8.550 | 8796735  | 14204287 | 547.630 | 432.875 |
| 37) | Toxaphene... | 7.782 | 8.898 | 16374887 | 18865554 | 518.861 | 443.012 |
| 38) | Toxaphene... | 8.093 | 8.934 | 37356847 | 30086909 | 514.938 | 476.161 |
| 39) | Toxaphene... | 8.333 | 9.001 | 35167753 | 50161527 | 548.675 | 502.540 |
| 40) | Toxaphene... | 8.561 | 9.177 | 28126951 | 27180276 | 540.029 | 462.913 |
| 41) | Toxaphene... | 8.629 | 9.560 | 37486003 | 30729756 | 507.965 | 478.316 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172041.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:03  
Operator : MJB  
Sample : 0G17041-CALU  
Misc : A20D430, TOX 500 ppb  
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:42:30 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:37:26 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172042.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:19  
 Operator : MJB  
 Sample : 0G17041-CALV  
 Misc : A20D431, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:45:50 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

|                             | Compound     | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|--------------|-------|-------|--------|--------|--------|--------|
| -----                       |              |       |       |        |        |        |        |
| System Monitoring Compounds |              |       |       |        |        |        |        |
| 1)                          | S TCMX (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22)                         | S DCBP (S)   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |              |       |       |        |        |        |        |
| 2)                          | a-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3)                          | g-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4)                          | b-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5)                          | Heptachlor   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6)                          | d-BHC        | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7)                          | Aldrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8)                          | Heptachlo... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9)                          | trans-Chl... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10)                         | cis-Chlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12)                         | 4,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13)                         | Dieldrin     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14)                         | Endrin       | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15)                         | 4,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17)                         | 4,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18)                         | Endrin Al... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19)                         | Endosulfa... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20)                         | Methoxychlor | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21)                         | Endrin Ke... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24)                         | Hexachlor... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25)                         | Oxychlorane  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26)                         | 2,4'-DDE     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27)                         | trans-Non... | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28)                         | 2,4'-DDD     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29)                         | 2,4'-DDT     | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172042.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:19  
 Operator : MJB  
 Sample : 0G17041-CALV  
 Misc : A20D431, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:45:50 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

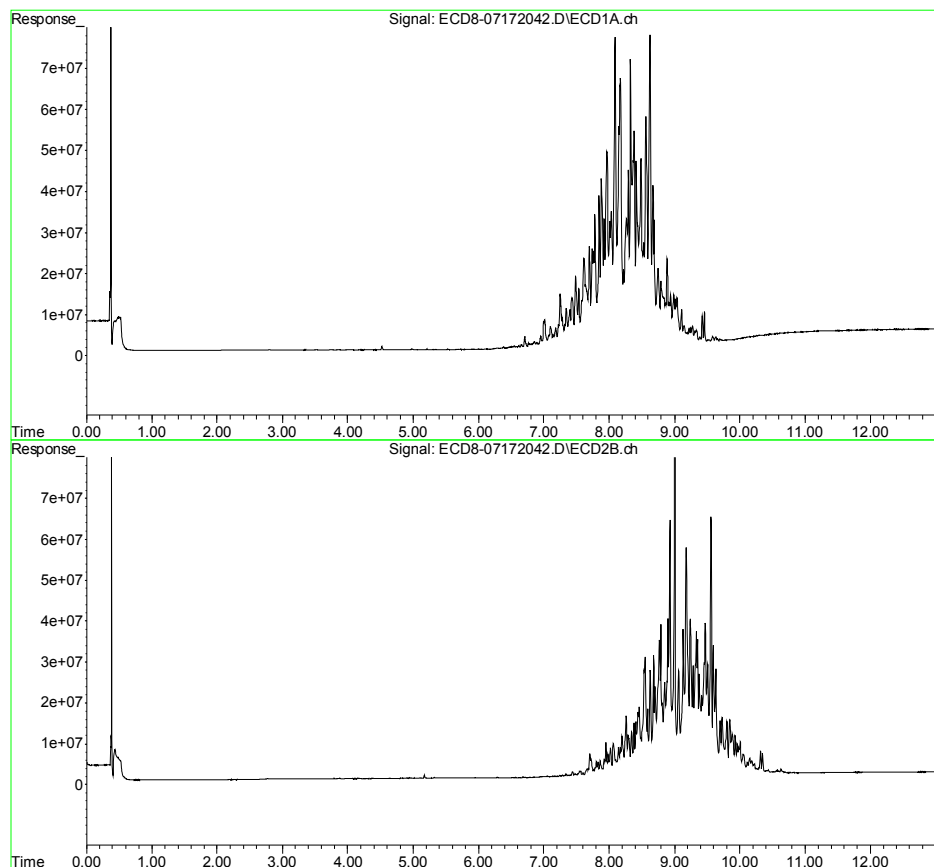
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL    | ng/mL   |
|-----|--------------|-------|-------|----------|----------|----------|---------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 32) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 33) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 34) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 35) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d  |
| 36) | Toxaphene... | 7.488 | 8.551 | 17086458 | 29203436 | 1055.968 | 889.974 |
| 37) | Toxaphene... | 7.781 | 8.899 | 31839970 | 38505672 | 1015.295 | 904.213 |
| 38) | Toxaphene... | 8.092 | 8.935 | 75044752 | 62596333 | 1034.440 | 990.661 |
| 39) | Toxaphene... | 8.333 | 9.003 | 69598117 | 101.9E6  | 1057.556 | 976.161 |
| 40) | Toxaphene... | 8.560 | 9.179 | 55357585 | 55665323 | 1062.849 | 948.048 |
| 41) | Toxaphene... | 8.628 | 9.561 | 75247744 | 63102776 | 1019.667 | 982.210 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172042.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:19  
Operator : MJB  
Sample : 0G17041-CALV  
Misc : A20D431, TOX 1000 ppb  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:45:50 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172043.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:36  
 Operator : MJB  
 Sample : 0G17041-CALW  
 Misc : A20F063, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

MJB 7/20/20

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:46:27 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

| Compound                    | RT#1  | RT#2  | Resp#1 | Resp#2 | ng/mL  | ng/mL  |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds |       |       |        |        |        |        |
| 1) S TCMX (S)               | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 22) S DCBP (S)              | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| Target Compounds            |       |       |        |        |        |        |
| 2) a-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 3) g-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 4) b-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 5) Heptachlor               | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 6) d-BHC                    | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 7) Aldrin                   | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 8) Heptachlo...             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 9) trans-Chl...             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 10) cis-Chlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 11) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 12) 4,4'-DDE                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 13) Dieldrin                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 14) Endrin                  | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 15) 4,4'-DDD                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 16) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 17) 4,4'-DDT                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 18) Endrin Al...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 19) Endosulfa...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 20) Methoxychlor            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 21) Endrin Ke...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 23) Hexachlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 24) Hexachlor...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 25) Oxychlorane             | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 26) 2,4'-DDE                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 27) trans-Non...            | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 28) 2,4'-DDD                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |
| 29) 2,4'-DDT                | 0.000 | 0.000 | 0      | 0      | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G17041\  
 Data File : ECD8-07172043.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2020 4:36  
 Operator : MJB  
 Sample : 0G17041-CALW  
 Misc : A20F063, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Jul 20 12:46:27 2020  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Mon Jul 20 12:43:11 2020  
 Response via : Initial Calibration  
 Integrator: ChemStation

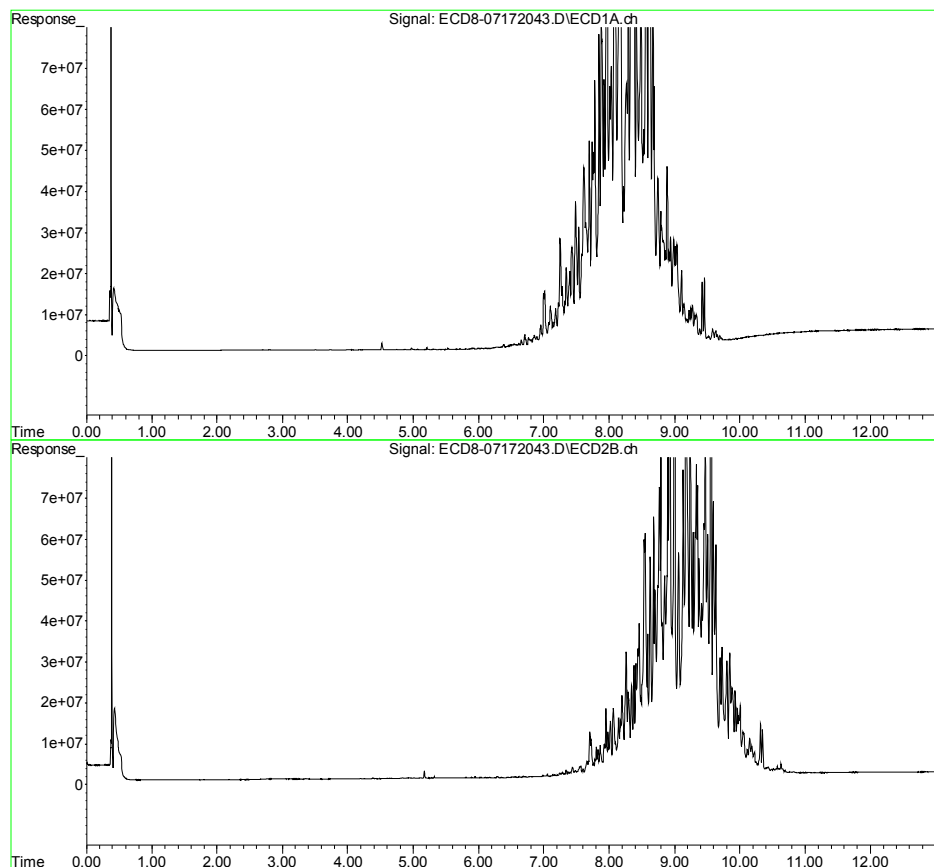
|     | Compound     | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/mL    | ng/mL    |
|-----|--------------|-------|-------|----------|----------|----------|----------|
| 30) | cis-Nonac... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 31) | Mirex        | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 32) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 33) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 34) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 35) | Chlordane... | 0.000 | 0.000 | 0        | 0        | N.D. d   | N.D. d   |
| 36) | Toxaphene... | 7.488 | 8.550 | 35038178 | 59422474 | 2121.252 | 1810.899 |
| 37) | Toxaphene... | 7.780 | 8.898 | 64472521 | 82837414 | 2072.255 | 1945.236 |
| 38) | Toxaphene... | 8.091 | 8.935 | 153.6E6  | 131.1E6  | 2117.303 | 2074.281 |
| 39) | Toxaphene... | 8.333 | 9.002 | 144.2E6  | 222.9E6  | 2061.704 | 1925.556 |
| 40) | Toxaphene... | 8.560 | 9.178 | 117.9E6  | 120.4E6  | 2263.889 | 2050.635 |
| 41) | Toxaphene... | 8.627 | 9.560 | 158.1E6  | 139.0E6  | 2142.691 | 2163.514 |
| 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\2020-07\0G17041\  
Data File : ECD8-07172043.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2020 4:36  
Operator : MJB  
Sample : 0G17041-CALW  
Misc : A20F063, TOX 2000 ppb  
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Jul 20 12:46:27 2020  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_200717.M  
Quant Title : Instrument: DualECD8  
QLast Update : Mon Jul 20 12:43:11 2020  
Response via : Initial Calibration  
Integrator: ChemStation



**Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)  
Benchsheet & Analysis Sequence Data**

Batch 0080029  
Sequence 0H03063 (A0E0670-26,27)



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

**BATCH #: 0080029 (Sediment)**

Prep Method: EPA 3546

| # | Lab Number   | Analysis                   | Prepared       | Initial (g) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments | pH |     |
|---|--------------|----------------------------|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|---------------------|----|-----|
|   |              |                            |                |             |            |          |            |          |          |                          |                     | <2 | >11 |
|   | 0080029-BLK1 | QC                         | 08/03/20 12:18 | 11          | 5          |          |            |          | 100      |                          |                     |    |     |
|   | 0080029-BS1  | QC                         | 08/03/20 12:18 | 10          | 5          | A20G264  |            | 100      | 100      |                          |                     |    |     |
|   | A0E0670-26   | A 8270D LL PAH Only (Scan) | 08/03/20 12:18 | 10.55       | 5          |          |            |          | 100      | PDI-174SC-A-08-09-200521 |                     |    |     |
|   | 0080029-DUP1 | QC                         | 08/03/20 12:18 | 10.47       | 5          |          | A0E0670-26 |          | 100      |                          |                     |    |     |
|   | A0E0670-27   | A 8270D LL PAH Only (Scan) | 08/03/20 12:18 | 10.47       | 5          |          |            |          | 100      | PDI-174SC-A-09-10-200521 |                     |    |     |
|   | 0080029-MS1  | QC                         | 08/03/20 12:18 | 10.36       | 5          | A20G264  | A0E0670-27 | 100      | 100      |                          |                     |    |     |

**Standards/Reagents**


| Reagent(s) |           |                             | Analyte Spike(s) |           |                          | Surrogate(s) |           |                                |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------|--------------|-----------|--------------------------------|
| Std ID     | Exp. Date | Description                 | Std ID           | Exp. Date | Description              | Std ID       | Exp. Date | Description                    |
| A13L219    | 11/30/23  | Extractions Balance         | A20G264          | 10/08/20  | LVI PAH Spike @2000ng/ml | A20E263      | 11/08/20  | 8270E LL PAH Only Surr. (5ppm) |
| A20B017    | 02/01/21  | Glass Wool                  |                  |           |                          |              |           |                                |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476 |                  |           |                          |              |           |                                |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US     |                  |           |                          |              |           |                                |

Method 3546 digestion time and temperature achieved.

Initial: \_\_\_\_\_

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

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

  
 Reviewed By: \_\_\_\_\_ Date 8/4/20



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

**BATCH #: 0080029 (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 | 5-9 | >11 |  |
| 19 | 0080029-BLK1 | QC                         | 08/03/20 12:18 | 10/11.00    | 5          |          |            |          | 100      |                          |                     |    |     |     |  |
| 20 | 0080029-BS1  | QC                         | 08/03/20 12:18 | 10          | 5          | A20G264  |            | 100      | 100      |                          |                     |    |     |     |  |
| 21 | A0E0670-26   | A 8270D LL PAH Only (Scan) | 08/03/20 12:18 | 10/10.55    | 5          |          |            |          | 100      | PDI-174SC-A-08-09-200521 | dirt                |    |     |     |  |
| 22 | 0080029-DUP1 | QC                         | 08/03/20 12:18 | 10/10.47    | 5          |          | A0E0670-26 |          | 100      |                          |                     |    |     |     |  |
| 23 | A0E0670-27   | A 8270D LL PAH Only (Scan) | 08/03/20 12:18 | 10/10.47    | 5          |          |            |          | 100      | PDI-174SC-A-09-10-200521 | dirt                |    |     |     |  |
| 24 | 0080029-MS1  | QC                         | 08/03/20 12:18 | 10/10.36    | 5          | A20G264  | A0E0670-27 | 100      | 100      |                          |                     |    |     |     |  |

**Standards/Reagents**

| Reagent(s) |           |                             | Analyte Spike(s) |           |                          | Surrogate(s) |           |                                |
|------------|-----------|-----------------------------|------------------|-----------|--------------------------|--------------|-----------|--------------------------------|
| Std ID     | Exp. Date | Description                 | Std ID           | Exp. Date | Description              | Std ID       | Exp. Date | Description                    |
| A13L219    | 11/30/23  | Extractions Balance         | A20G264          | 10/08/20  | LVI PAH Spike @2000ng/ml | A20E263      | 11/08/20  | 8270E LL PAH Only Surr. (5ppm) |
| A20B017    | 02/01/21  | Glass Wool                  |                  |           |                          |              |           |                                |
| A20F023    | 11/29/22  | Sodium Sulfate Lot # 196476 |                  |           |                          |              |           |                                |
| A20G162    | 01/06/21  | DCM CHEM PROD. DZ029-US     |                  |           |                          |              |           |                                |

Method 3546 digestion time and temperture achieved.

Initial: *cutt*

Witness: AJJ 8-3-20

Prepared By: *cutt*  
AJJ

Date: 8/3/20  
8-3-20

Reviewed By: SCG Date: 08/03/2020





ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0H03063

Instrument: SV-GCMS14

Date: 08/03/20 15:27

Calibration: A0D0804

| #  | Lab Number   | Matrix   | Analysis                 | Client          | Due      | Batch   | ISTD ID | STD ID  |
|----|--------------|----------|--------------------------|-----------------|----------|---------|---------|---------|
| 1  | 0H03063-TUN1 | Sediment | QC                       | QC              |          |         | A20G263 | A20G295 |
| 2  | 0H03063-CCV1 | Sediment | QC                       | QC              |          |         | A20G263 | A20C472 |
| 3  | 0H03063-CCB1 | Sediment | QC                       | QC              |          |         | A20G263 |         |
| 4  | 0080029-BLK1 | Sediment | QC                       | QC              |          | 0080029 | A20G263 |         |
| 5  | 0080029-BS1  | Sediment | QC                       | QC              |          | 0080029 | A20G263 |         |
| 6  | A0E0670-26   | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 08/05/20 | 0080029 | A20G263 |         |
| 7  | 0080029-DUP1 | Sediment | QC                       | QC              |          | 0080029 | A20G263 |         |
| 8  | A0E0670-27   | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 08/05/20 | 0080029 | A20G263 |         |
| 9  | 0080029-MS1  | Sediment | QC                       | QC              |          | 0080029 | A20G263 |         |
| 10 | 0H03063-IBL1 | Sediment | QC                       | QC              |          |         | A20G263 |         |

Data Entered By/Date: AMS 8/4/20

Comments:

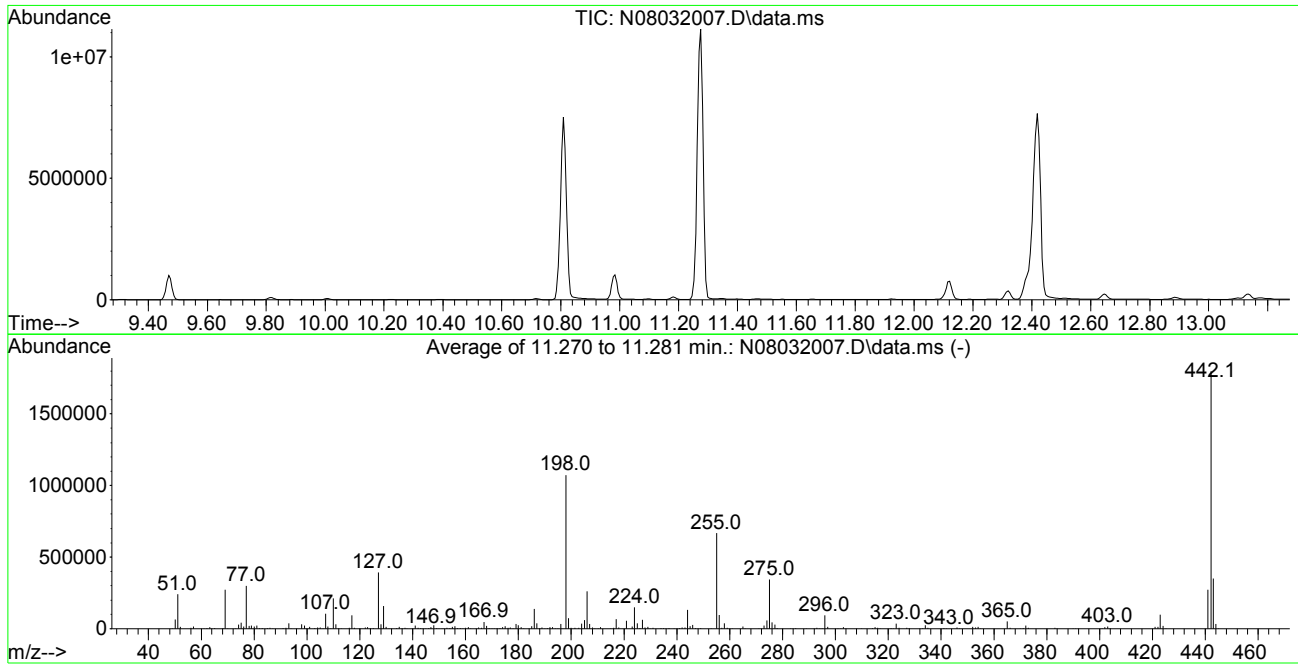
Data Reviewed By/Date: JK 8/4/20

8/4/2020 8:44:04AM

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032007.D  
 Acq On : 03 Aug 2020 03:36 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-TUN1  
 Misc : 1x, A20G295 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M  
 Title : 8270 DFTPP Tune Method  
 Last Update : Thu Jun 25 12:53:40 2020



AutoFind: Scans 1197, 1198, 1199; Background Corrected with Scan 1190

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68          | 69           | 0.00         | 2            | 2.0       | 5352    | PASS             |
| 69          | 69           | 100          | 100          | 100.0     | 271961  | PASS             |
| 70          | 69           | 0.00         | 2            | 0.5       | 1324    | PASS             |
| 197         | 198          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 198         | 198          | 100          | 100          | 100.0     | 1072533 | PASS             |
| 199         | 198          | 5            | 9            | 6.7       | 72141   | PASS             |
| 365         | 198          | 1            | 100          | 4.7       | 50843   | PASS             |
| 441         | 443          | 0.01         | 150          | 78.0      | 272619  | PASS             |
| 442         | 198          | 0.10         | 200          | 167.8     | 1799509 | PASS             |
| 443         | 442          | 15           | 24           | 19.4      | 349717  | PASS             |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032007.D  
 Acq On : 03 Aug 2020 03:36 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-TUN1  
 Misc : 1x, A20G295 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 04 08:23:51 2020  
 Quant Method : U:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Thu Jun 25 12:53:40 2020  
 Response via : Initial Calibration

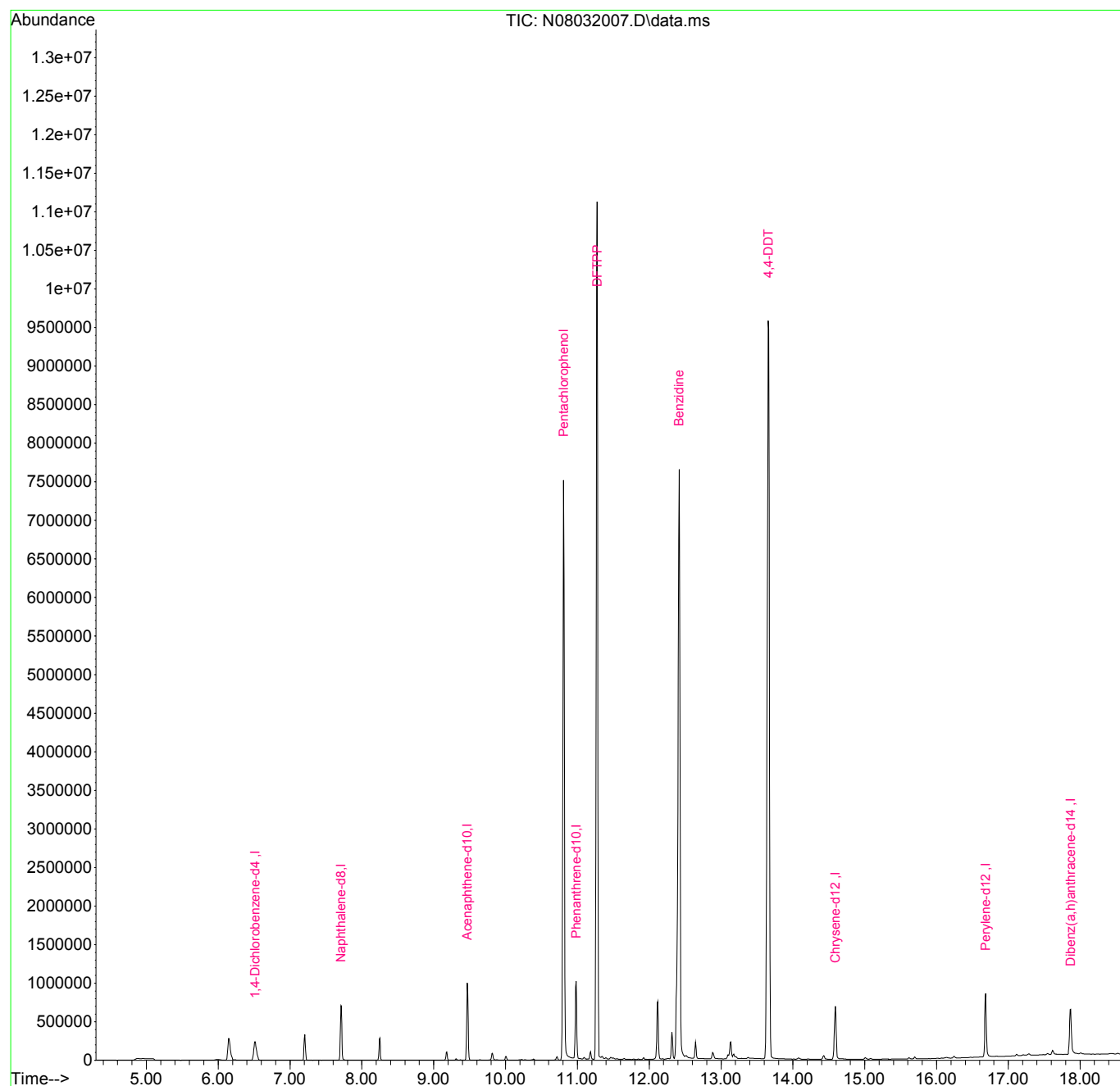
| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| Internal Standards            |        |      |          |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.513  | 150  | 179005   | 2.00     | ug/mL  | 0.01     |
| 2) Naphthalene-d8             | 7.708  | 136  | 521091   | 2.00     | ug/mL  | 0.00     |
| 3) Acenaphthene-d10           | 9.468  | 162  | 297768   | 2.00     | ug/mL  | 0.00     |
| 5) Phenanthrene-d10           | 10.984 | 188  | 547151   | 2.00     | ug/mL  | 0.00     |
| 11) Chrysene-d12              | 14.592 | 240  | 476734   | 2.00     | ug/mL  | -0.01    |
| 12) Perylene-d12              | 16.684 | 264  | 485835   | 2.00     | ug/mL  | -0.02    |
| 13) Dibenz(a,h)anthracene-... | 17.868 | 292  | 460057   | 2.00     | ug/mL  | #-0.02   |
|                               |        |      |          |          |        |          |
| Target Compounds              |        |      |          |          |        | Qvalue   |
| 4) Pentachlorophenol          | 10.809 | 266  | 1551103  | 55.16    | ug/mL  | 79       |
| 6) DFTPP                      | 11.275 | 442  | 2724016  | 61.67    | ug/mL# | 64       |
| 7) Benzidine                  | 12.418 | 184  | 5933165  | 30.48    | ug/mL  | 97       |
| 8) 4,4-DDE                    | 12.645 | TIC  | 309156   | No Calib |        |          |
| 9) 4,4-DDD                    | 13.135 | TIC  | 321109   | No Calib |        |          |
| 10) 4,4-DDT                   | 13.659 | TIC  | 19179869 | 34.18    | ug/mL  | 94       |
| -----                         |        |      |          |          |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032007.D  
Acq On : 03 Aug 2020 03:36 pm  
Operator : JK/ AMS/ DTH  
Sample : 0H03063-TUN1  
Misc : 1x, A20G295 DFTPP @ 45  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 04 08:23:51 2020  
Quant Method : U:\methods\DFTPP.M  
Quant Title : 8270 DFTPP Tune Method  
QLast Update : Thu Jun 25 12:53:40 2020  
Response via : Initial Calibration



## DDT Breakdown Check (Validated 5/1/2013)

From:

0H03063-TUN1

SV-GCMS 14

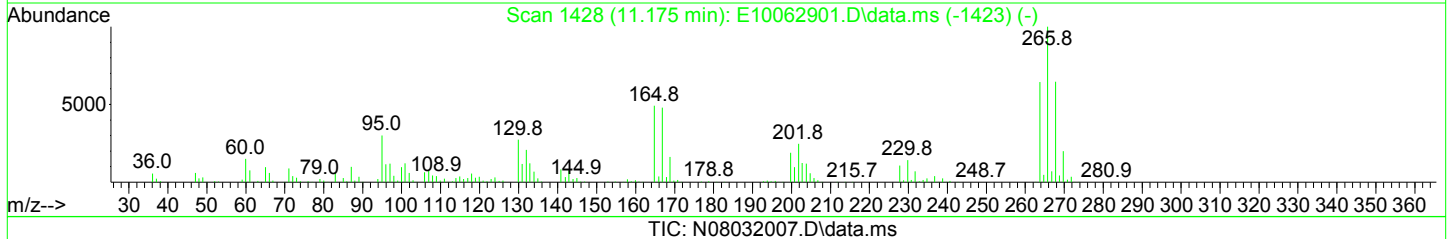
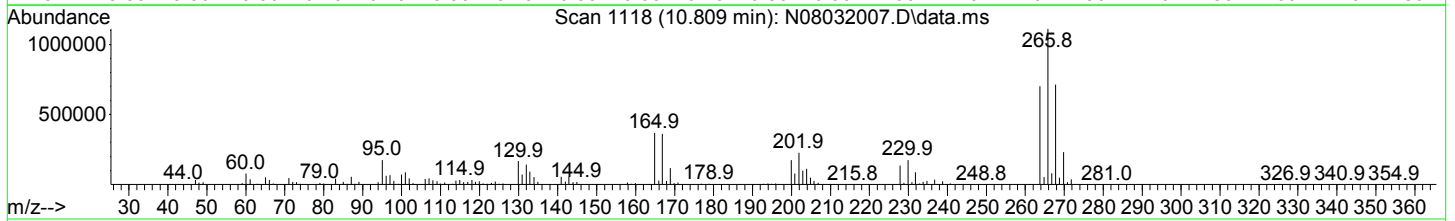
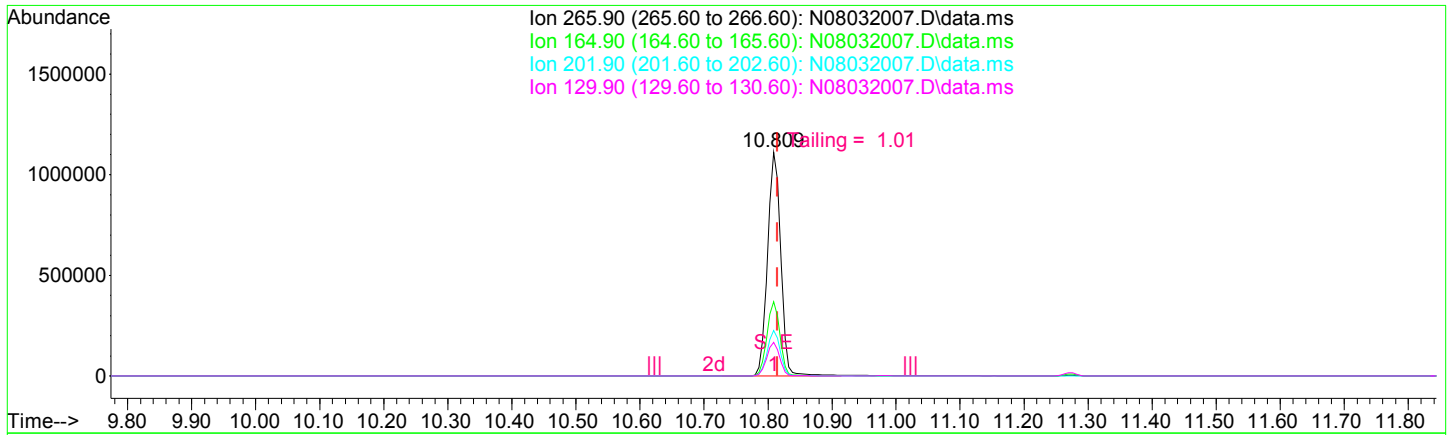
| First Column Area Counts | Percent Breakdown |             |             |
|--------------------------|-------------------|-------------|-------------|
| DDE                      | 309156            |             |             |
| DDD                      | 321109            |             |             |
| DDT                      | 19179869          | <b>3.18</b> | <b>PASS</b> |

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032007.D  
 Acq On : 03 Aug 2020 03:36 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-TUN1  
 Misc : 1x, A20G295 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 04 08:23:51 2020  
 Quant Method : U:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Thu Jun 25 12:53:40 2020  
 Response via : Initial Calibration



TIC: N08032007.D\data.ms

(4) Pentachlorophenol

10.809min (-0.006) 55.16 ug/mL

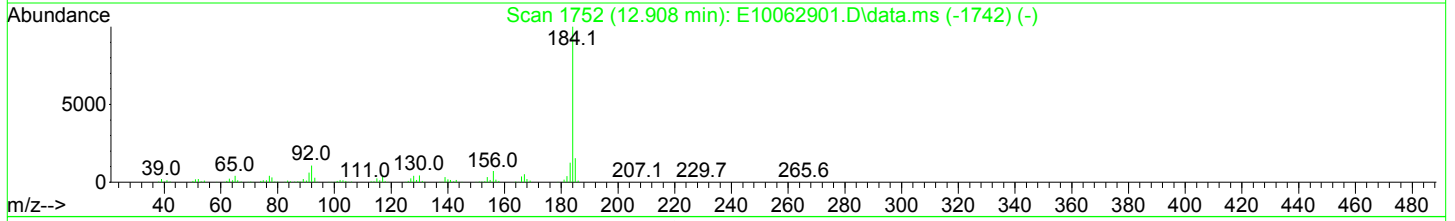
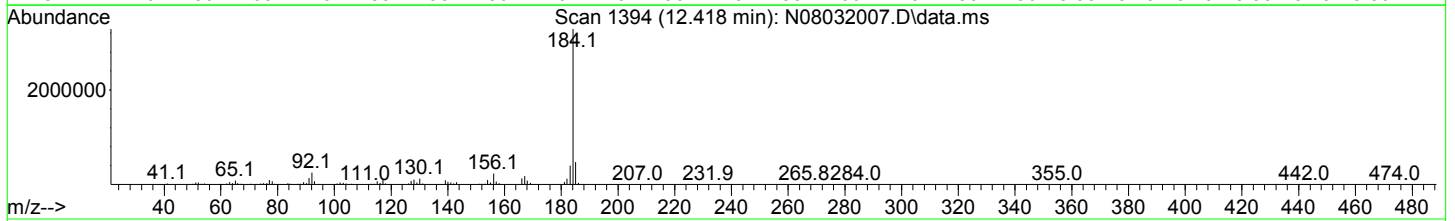
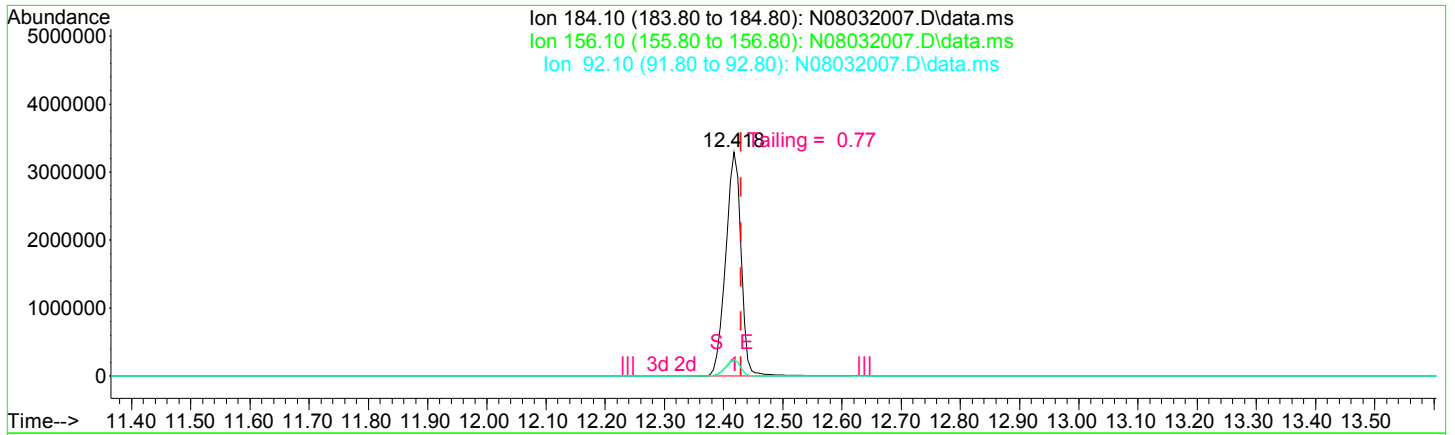
response 1551103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60  | 33.30  |
| 201.90 | 25.80  | 20.34  |
| 129.90 | 27.30  | 14.96  |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032007.D  
 Acq On : 03 Aug 2020 03:36 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-TUN1  
 Misc : 1x, A20G295 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 04 08:23:51 2020  
 Quant Method : U:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Thu Jun 25 12:53:40 2020  
 Response via : Initial Calibration



TIC: N08032007.D\data.ms

(7) Benzidine

12.418min (-0.012) 30.48 ug/mL

response 5933165

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50   | 6.88   |
| 92.10  | 8.20   | 7.44   |
| 0.00   | 0.00   | 0.00   |

## Evaluate Continuing Calibration Report

AMS 8/4/20

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032008.D  
 Acq On : 03 Aug 2020 04:04 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCV1  
 Misc : 1x, A20C472@50  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 08:22:21 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

|      | Compound                   | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|------|----------------------------|---------|---------|-------|-------|----------|
| 1 I  | Naphthalene-d8 (ISTD)      | 100.000 | 100.000 | 0.0   | 97    | 0.00     |
| 2 S  | Nitrobenzene-d5 (Surr)     | 50.000  | 47.689  | 4.6   | 96    | 0.00     |
| 3 T  | Decalin                    | 50.000  | 35.792  | 28.4# | 74    | 0.00     |
| 4 T  | Naphthalene                | 50.000  | 47.716  | 4.6   | 95    | 0.00     |
| 5 T  | 2-Methylnaphthalene        | 50.000  | 53.627  | -7.3  | 103   | 0.00     |
| 6 T  | 1-Methylnaphthalene        | 50.000  | 52.754  | -5.5  | 101   | 0.00     |
| 7 T  | 1,1'-Biphenyl              | 50.000  | 53.283  | -6.6  | 104   | 0.00     |
| 8 T  | 2,6-Dimethylnaphthalene    | 50.000  | 56.441  | -12.9 | 110   | 0.00     |
| 9 I  | Acenaphthene-d10 (ISTD)    | 100.000 | 100.000 | 0.0   | 110   | 0.00     |
| 10 S | 2-Fluorobiphenyl (Surr)    | 50.000  | 49.018  | 2.0   | 108   | 0.00     |
| 11 T | Acenaphthylene             | 50.000  | 50.594  | -1.2  | 108   | 0.00     |
| 12 T | Acenaphthene               | 50.000  | 49.444  | 1.1   | 109   | 0.00     |
| 13 T | Dibenzofuran               | 50.000  | 49.669  | 0.7   | 110   | 0.00     |
| 14 T | 1,6,7-Trimethylnaphthalene | 50.000  | 52.843  | -5.7  | 118   | 0.00     |
| 15 T | Fluorene                   | 50.000  | 51.809  | -3.6  | 117   | 0.00     |
| 16 I | Phenanthrene-d10 (ISTD)    | 100.000 | 100.000 | 0.0   | 117   | 0.00     |
| 17 T | Dibenzothiopene            | 50.000  | 50.423  | -0.8  | 116   | 0.00     |
| 18 T | Phenanthrene               | 50.000  | 48.202  | 3.6   | 115   | 0.00     |
| 19 T | Anthracene                 | 50.000  | 53.341  | -6.7  | 124   | 0.00     |
| 20 T | Carbazole                  | 50.000  | 45.546  | 8.9   | 101   | 0.00     |
| 21 T | 1-Methylphenanthrene       | 50.000  | 53.896  | -7.8  | 123   | 0.00     |
| 22 T | Fluoranthene               | 50.000  | 54.102  | -8.2  | 126   | 0.00     |
| 23 I | Chrysene-d12 (ISTD)        | 100.000 | 100.000 | 0.0   | 108   | -0.01    |
| 24 T | Pyrene                     | 50.000  | 53.321  | -6.6  | 121   | -0.01    |
| 25 S | Terphenyl-d14 (Surr)       | 50.000  | 53.531  | -7.1  | 116   | -0.01    |
| 26 T | Benz(a)anthracene          | 50.000  | 51.824  | -3.6  | 117   | -0.02    |
| 27 T | Chrysene                   | 50.000  | 48.128  | 3.7   | 105   | -0.02    |
| 28 I | Perylene-d12 (ISTD)        | 100.000 | 100.000 | 0.0   | 103   | -0.02    |
| 29 T | Benzo(b)fluoranthene       | 50.000  | 53.772  | -7.5  | 114   | -0.02    |
| 30 T | Benzo(k)fluoranthene       | 50.000  | 52.710  | -5.4  | 108   | -0.02    |



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032008.D  
 Acq On : 03 Aug 2020 04:04 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCV1  
 Misc : 1x, A20C472@50  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 08:22:21 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

|      | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|---------|---------|-------|-------|----------|
| 31 T | Benzo(b+k)fluoranthene      | 100.000 | 105.545 | -5.5  | 110   | -0.02    |
| 32 T | Benzo(e)pyrene              | 50.000  | 49.031  | 1.9   | 104   | -0.02    |
| 33 T | Benzo(a)pyrene              | 50.000  | 56.648  | -13.3 | 110   | -0.02    |
| 34 T | Perylene                    | 50.000  | 52.093  | -4.2  | 99    | -0.02    |
| 35 I | Dibenz(a,h)Anthrcene-d14(IS | 100.000 | 100.000 | 0.0   | 106   | -0.02    |
| 36 T | Indeno(1,2,3-cd)Pyrene      | 50.000  | 49.278  | 1.4   | 106   | -0.02    |
| 37 T | Dibenz(a,h)anthracene       | 50.000  | 49.150  | 1.7   | 104   | -0.02    |
| 38 T | Benzo(g,h,i)perylene        | 50.000  | 48.876  | 2.2   | 101   | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032008.D  
 Acq On : 03 Aug 2020 04:04 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCV1  
 Misc : 1x, A20C472@50  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 08:22:21 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                         |        |      |          |        |       |          |        |
| Internal Standards            |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 257493   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 161674   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 283468   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 258499   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)       | 18.141 | 264  | 239127   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 201604   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.067  | 82   | 38360    | 47.69  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 8.827  | 172  | 122692   | 49.02  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 133704   | 53.53  | ng/ml | -0.01    |        |
| Target Compounds              |        |      |          |        |       |          |        |
|                               |        |      |          |        |       |          | Qvalue |
| 3) Decalin                    | 7.230  | 138  | 7369     | 35.79  | ng/ml |          | 82     |
| 4) Naphthalene                | 7.784  | 128  | 133822   | 47.72  | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 100986   | 53.63  | ng/ml |          | 96     |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 98638    | 52.75  | ng/ml |          | 96     |
| 7) 1,1'-Biphenyl              | 8.926  | 154  | 126468   | 53.28  | ng/ml |          | 96     |
| 8) 2,6-Dimethylnaphthalene    | 9.090  | 156  | 91901    | 56.44  | ng/ml |          | 97     |
| 11) Acenaphthylene            | 9.369  | 152  | 152527   | 50.59  | ng/ml |          | 99     |
| 12) Acenaphthene              | 9.544  | 153  | 109345   | 49.44  | ng/ml |          | 100    |
| 13) Dibenzofuran              | 9.719  | 168  | 132951   | 49.67  | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha... | 9.929  | 170  | 91574    | 52.84  | ng/ml |          | 99     |
| 15) Fluorene                  | 10.069 | 166  | 110165   | 51.81  | ng/ml |          | 98     |
| 17) Dibenzothiopene           | 10.914 | 184  | 144444   | 50.42  | ng/ml |          | 94     |
| 18) Phenanthrene              | 11.042 | 178  | 157275   | 48.20  | ng/ml |          | 100    |
| 19) Anthracene                | 11.095 | 178  | 142538   | 53.34  | ng/ml |          | 99     |
| 20) Carbazole                 | 11.264 | 167  | 105074   | 45.55  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene      | 11.666 | 192  | 118588   | 53.90  | ng/ml |          | 100    |
| 22) Fluoranthene              | 12.290 | 202  | 173979   | 54.10  | ng/ml |          | 95     |
| 24) Pyrene                    | 12.563 | 202  | 178777   | 53.32  | ng/ml |          | 99     |
| 26) Benz(a)anthracene         | 14.656 | 228  | 138926   | 51.82  | ng/ml |          | 99     |
| 27) Chrysene                  | 14.738 | 228  | 132693   | 48.13  | ng/ml |          | 100    |
| 29) Benzo(b)fluoranthene      | 17.232 | 252  | 132926   | 53.77  | ng/ml |          | 92     |
| 30) Benzo(k)fluoranthene      | 17.296 | 252  | 129897   | 52.71  | ng/ml |          | 92     |
| 31) Benzo(b+k)fluoranthene    | 17.296 | 252  | 274360   | 105.55 | ng/ml |          | 92     |
| 32) Benzo(e)pyrene            | 17.879 | 252  | 126738   | 49.03  | ng/ml |          | 97     |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032008.D  
 Acq On : 03 Aug 2020 04:04 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCV1  
 Misc : 1x, A20C472@50  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 08:22:21 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

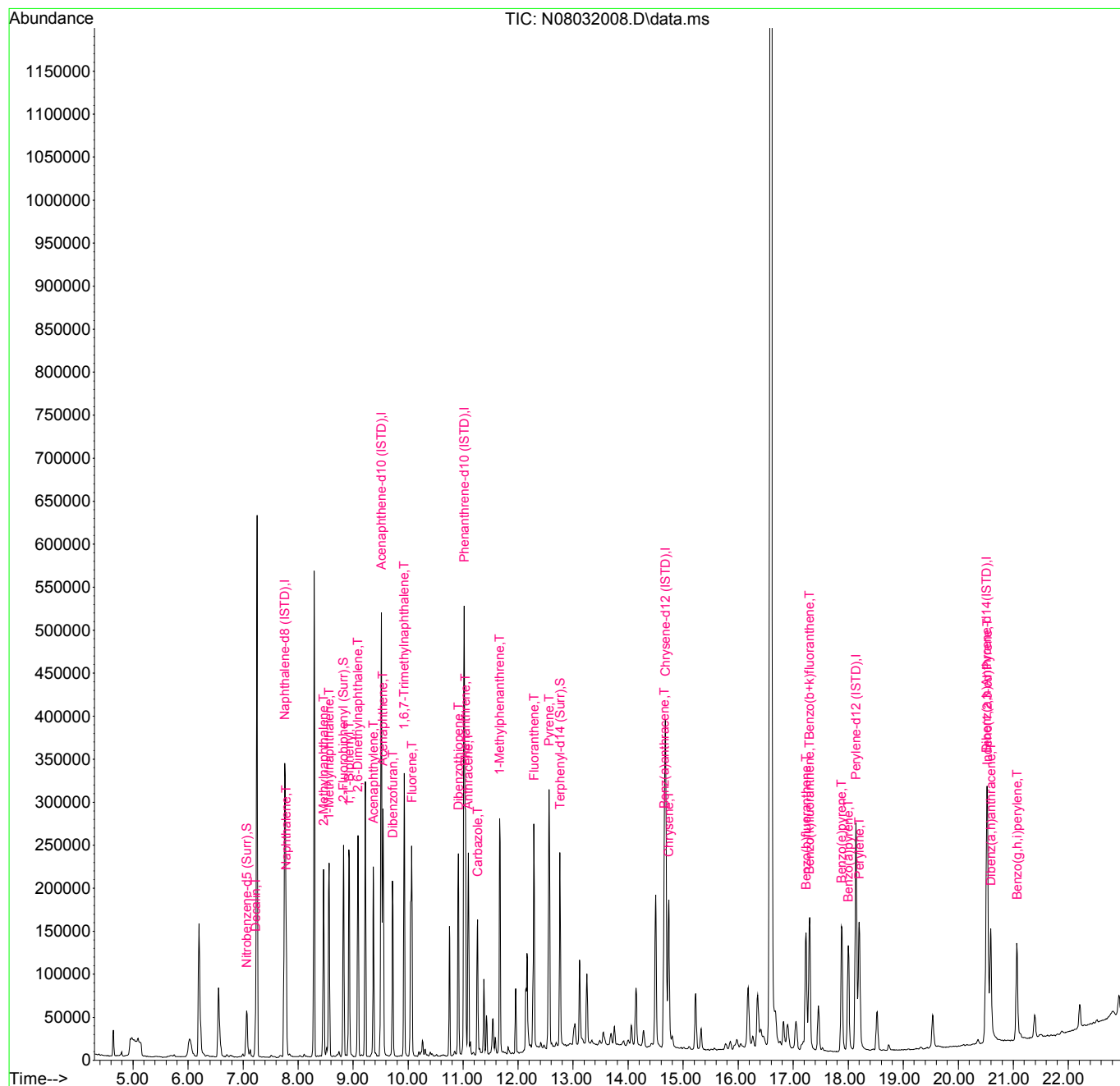
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene         | 18.002 | 252  | 112447   | 56.65 | ng/ml | 96       |
| 34) Perylene               | 18.200 | 252  | 138649   | 52.09 | ng/ml | 99       |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 107917   | 49.28 | ng/ml | 75       |
| 37) Dibenz(a,h)anthracene  | 20.589 | 278  | 108539   | 49.15 | ng/ml | 79       |
| 38) Benzo(g,h,i)perylene   | 21.067 | 276  | 114820   | 48.88 | ng/ml | 76       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032008.D  
 Acq On : 03 Aug 2020 04:04 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCV1  
 Misc : 1x, A20C472@50  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 08:22:21 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032009.D  
 Acq On : 03 Aug 2020 04:37 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCB1  
 Misc : 1x, DCM + ISTD  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                          |        |      |          |        |       |          |        |
| Internal Standards             |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 256478   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 164869   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 291955   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 284553   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 269542   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 235516   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.137  | 82   | 92       | 0.11   | ng/ml | 0.07     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 0.000  | 172  | 0        | 0.00   | ng/ml |          |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 83       | 0.03   | ng/ml | -0.01    |        |
| Target Compounds               |        |      |          |        |       |          |        |
|                                |        |      |          |        |       |          | Qvalue |
| 3) Decalin                     | 0.000  |      | 0        |        | N.D.  |          |        |
| 4) Naphthalene                 | 7.790  | 128  | 366      |        | N.D.  |          |        |
| 5) 2-Methylnaphthalene         | 8.472  | 142  | 57       |        | N.D.  |          |        |
| 6) 1-Methylnaphthalene         | 8.571  | 142  | 122      |        | N.D.  |          |        |
| 7) 1,1'-Biphenyl               | 8.932  | 154  | 162      |        | N.D.  |          |        |
| 8) 2,6-Dimethylnaphthalene     | 0.000  |      | 0        |        | N.D.  |          |        |
| 11) Acenaphthylene             | 0.000  |      | 0        |        | N.D.  |          |        |
| 12) Acenaphthene               | 0.000  |      | 0        |        | N.D.  |          |        |
| 13) Dibenzofuran               | 0.000  |      | 0        |        | N.D.  |          |        |
| 14) 1,6,7-Trimethylnaphtha...  | 0.000  |      | 0        |        | N.D.  |          |        |
| 15) Fluorene                   | 0.000  |      | 0        |        | N.D.  |          |        |
| 17) Dibenzothiopene            | 0.000  |      | 0        |        | N.D.  |          |        |
| 18) Phenanthrene               | 11.025 | 178  | 251      |        | N.D.  |          |        |
| 19) Anthracene                 | 11.135 | 178  | 355      |        | N.D.  |          |        |
| 20) Carbazole                  | 11.269 | 167  | 84       |        | N.D.  |          |        |
| 21) 1-Methylphenanthrene       | 0.000  |      | 0        |        | N.D.  |          |        |
| 22) Fluoranthene               | 12.284 | 202  | 79       |        | N.D.  |          |        |
| 24) Pyrene                     | 12.569 | 202  | 77       |        | N.D.  |          |        |
| 26) Benz(a)anthracene          | 14.679 | 228  | 823      |        | N.D.  |          |        |
| 27) Chrysene                   | 14.732 | 228  | 71       |        | N.D.  |          |        |
| 29) Benzo(b)fluoranthene       | 0.000  |      | 0        |        | N.D.  |          |        |
| 30) Benzo(k)fluoranthene       | 0.000  |      | 0        |        | N.D.  |          |        |
| 31) Benzo(b+k)fluoranthene     | 0.000  |      | 0        |        | N.D.  |          |        |
| 32) Benzo(e)pyrene             | 18.136 | 252  | 811      |        | N.D.  |          |        |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032009.D  
 Acq On : 03 Aug 2020 04:37 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCB1  
 Misc : 1x, DCM + ISTD  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

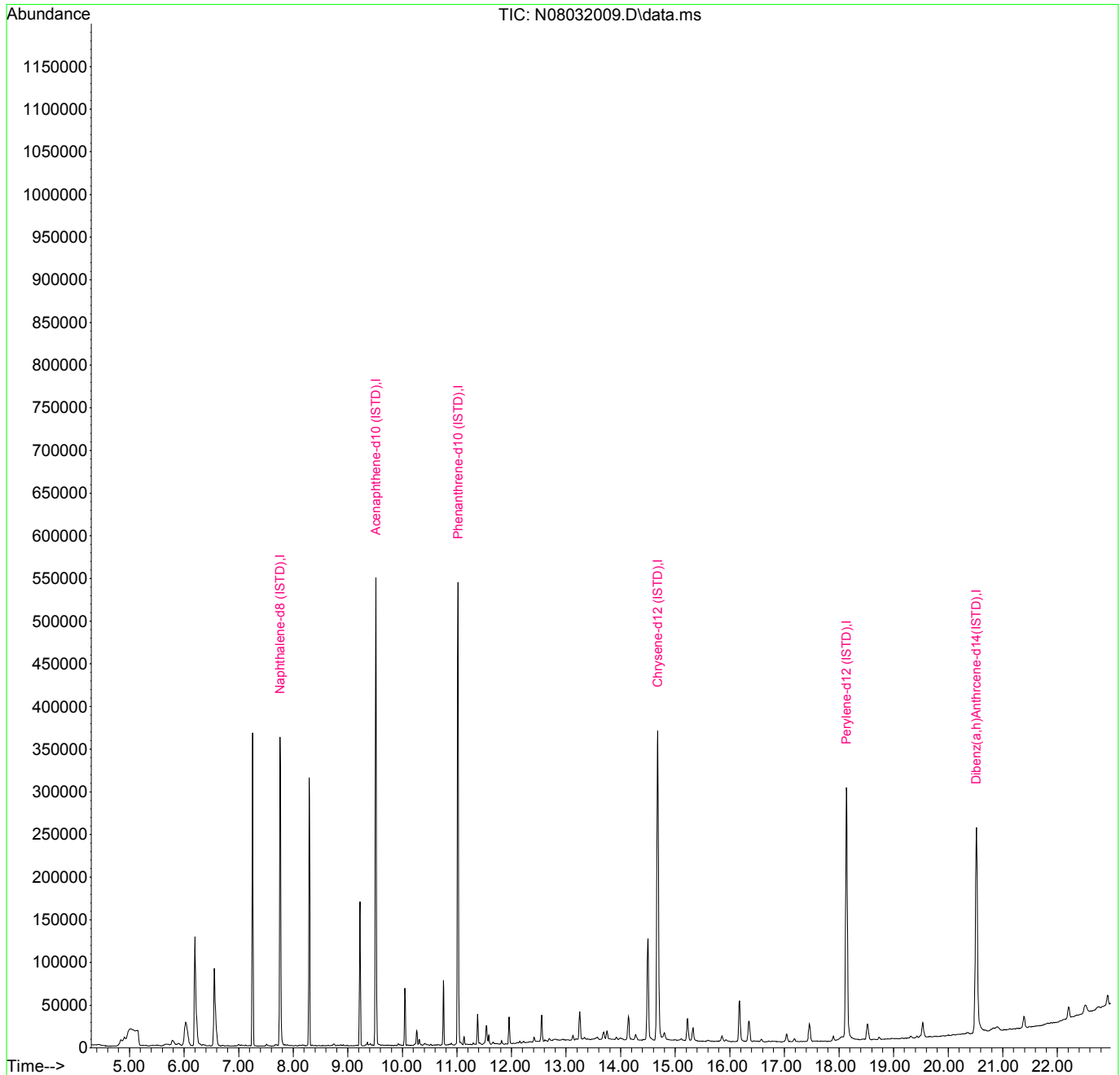
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 0.000  |      | 0        |      |       | N.D.     |
| 34) Perylene               | 18.194 | 252  | 125      |      |       | N.D.     |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 214      |      |       | N.D.     |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 363      |      |       | N.D.     |
| 38) Benzo(g,h,i)perylene   | 21.067 | 276  | 76       |      |       | N.D.     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032009.D  
Acq On : 03 Aug 2020 04:37 pm  
Operator : JK/ AMS/ DTH  
Sample : 0H03063-CCB1  
Misc : 1x, DCM + ISTD  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Tue Jun 09 09:45:26 2020  
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032009.D  
 Acq On : 03 Aug 2020 04:37 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCB1  
 Misc : 1x, DCM + ISTD  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                         |        |      |          |        |       |          |        |
| Internal Standards            |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 256478   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 164869   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 291955   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 284553   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 269542   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 235516   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.137  | 82   | 92       | 0.11   | ng/ml | 0.07     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 0.000  | 172  | 0        | 0.00   | ng/ml |          |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 83       | 0.03   | ng/ml | -0.01    |        |
| Target Compounds              |        |      |          |        |       |          |        |
|                               |        |      |          |        |       |          | Qvalue |
| 3) Decalin                    | 0.000  |      | 0        |        | N.D.  |          |        |
| 4) Naphthalene                | 7.790  | 128  | 366      |        | N.D.  |          |        |
| 5) 2-Methylnaphthalene        | 8.472  | 142  | 57       |        | N.D.  |          |        |
| 6) 1-Methylnaphthalene        | 8.571  | 142  | 122      |        | N.D.  |          |        |
| 7) 1,1'-Biphenyl              | 8.932  | 154  | 162      |        | N.D.  |          |        |
| 8) 2,6-Dimethylnaphthalene    | 0.000  |      | 0        |        | N.D.  |          |        |
| 11) Acenaphthylene            | 0.000  |      | 0        |        | N.D.  |          |        |
| 12) Acenaphthene              | 0.000  |      | 0        |        | N.D.  |          |        |
| 13) Dibenzofuran              | 0.000  |      | 0        |        | N.D.  |          |        |
| 14) 1,6,7-Trimethylnaphtha... | 0.000  |      | 0        |        | N.D.  |          |        |
| 15) Fluorene                  | 0.000  |      | 0        |        | N.D.  |          |        |
| 17) Dibenzothiopene           | 0.000  |      | 0        |        | N.D.  |          |        |
| 18) Phenanthrene              | 11.025 | 178  | 251      |        | N.D.  |          |        |
| 19) Anthracene                | 11.135 | 178  | 355      |        | N.D.  |          |        |
| 20) Carbazole                 | 11.269 | 167  | 84       |        | N.D.  |          |        |
| 21) 1-Methylphenanthrene      | 0.000  |      | 0        |        | N.D.  |          |        |
| 22) Fluoranthene              | 12.284 | 202  | 79       |        | N.D.  |          |        |
| 24) Pyrene                    | 12.569 | 202  | 77       |        | N.D.  |          |        |
| 26) Benz(a)anthracene         | 14.679 | 228  | 823      |        | N.D.  |          |        |
| 27) Chrysene                  | 14.732 | 228  | 71       |        | N.D.  |          |        |
| 29) Benzo(b)fluoranthene      | 0.000  |      | 0        |        | N.D.  |          |        |
| 30) Benzo(k)fluoranthene      | 0.000  |      | 0        |        | N.D.  |          |        |
| 31) Benzo(b+k)fluoranthene    | 0.000  |      | 0        |        | N.D.  |          |        |
| 32) Benzo(e)pyrene            | 18.136 | 252  | 811      |        | N.D.  |          |        |



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032009.D  
 Acq On : 03 Aug 2020 04:37 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0H03063-CCB1  
 Misc : 1x, DCM + ISTD  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

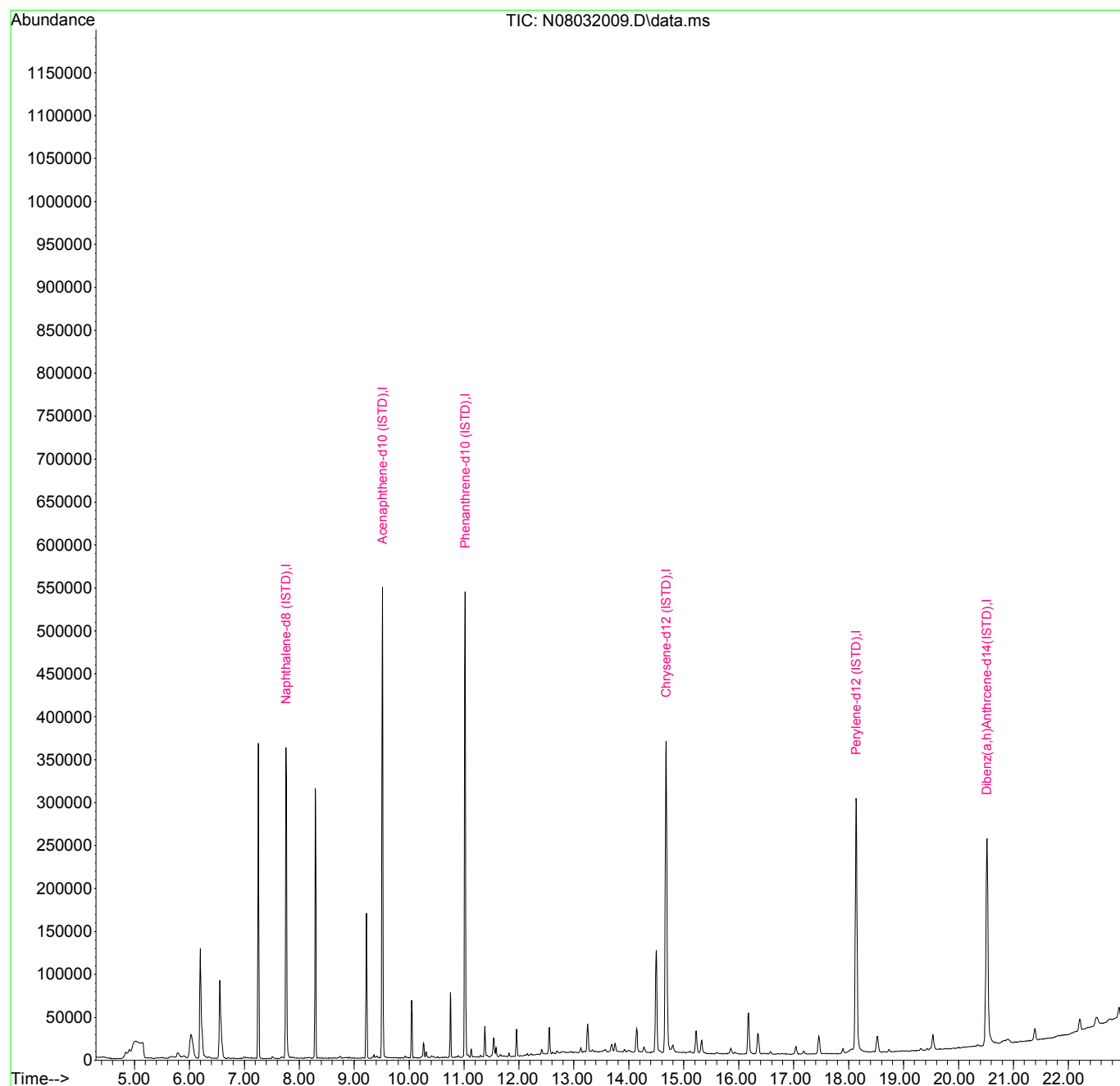
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 0.000  |      | 0        |      |       | N.D.     |
| 34) Perylene               | 18.194 | 252  | 125      |      |       | N.D.     |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 214      |      |       | N.D.     |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 363      |      |       | N.D.     |
| 38) Benzo(g,h,i)perylene   | 21.067 | 276  | 76       |      |       | N.D.     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032009.D  
Acq On : 03 Aug 2020 04:37 pm  
Operator : JK/ AMS/ DTH  
Sample : 0H03063-CCB1  
Misc : 1x, DCM + ISTD  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 04 08:30:59 2020  
Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Tue Jun 09 09:45:26 2020  
Response via : Initial Calibration



Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032010.D  
 Acq On : 03 Aug 2020 05:09 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BLK1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                          |        |      |          |        |       |          |        |
| Internal Standards             |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 263262   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 171955   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 293714   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 268952   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 254646   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 225716   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 57480    | 69.89  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 207686   | 78.01  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 243122   | 93.56  | ng/ml | -0.01    |        |
| Target Compounds               |        |      |          |        |       |          |        |
|                                |        |      |          |        |       |          | Qvalue |
| 3) Decalin                     | 0.000  |      | 0        |        | N.D.  |          |        |
| 4) Naphthalene                 | 7.784  | 128  | 1287     | 0.45   | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 505      |        | N.D.  |          |        |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 327      |        | N.D.  |          |        |
| 7) 1,1'-Biphenyl               | 8.926  | 154  | 1050     | 0.43   | ng/ml |          | 86     |
| 8) 2,6-Dimethylnaphthalene     | 9.095  | 156  | 237      |        | N.D.  |          |        |
| 11) Acenaphthylene             | 9.369  | 152  | 140      |        | N.D.  |          |        |
| 12) Acenaphthene               | 9.544  | 153  | 523      |        | N.D.  |          |        |
| 13) Dibenzofuran               | 9.719  | 168  | 189      |        | N.D.  |          |        |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 62       |        | N.D.  |          |        |
| 15) Fluorene                   | 10.069 | 166  | 319      |        | N.D.  |          |        |
| 17) Dibenzothiopene            | 10.914 | 184  | 107      |        | N.D.  |          |        |
| 18) Phenanthrene               | 11.042 | 178  | 893      |        | N.D.  |          |        |
| 19) Anthracene                 | 11.095 | 178  | 77       |        | N.D.  |          |        |
| 20) Carbazole                  | 11.264 | 167  | 171      |        | N.D.  |          |        |
| 21) 1-Methylphenanthrene       | 11.672 | 192  | 171      |        | N.D.  |          |        |
| 22) Fluoranthene               | 12.290 | 202  | 361      |        | N.D.  |          |        |
| 24) Pyrene                     | 12.564 | 202  | 283      |        | N.D.  |          |        |
| 26) Benz(a)anthracene          | 14.679 | 228  | 676      |        | N.D.  |          |        |
| 27) Chrysene                   | 14.732 | 228  | 121      |        | N.D.  |          |        |
| 29) Benzo(b)fluoranthene       | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 30) Benzo(k)fluoranthene       | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 31) Benzo(b+k)fluoranthene     | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 169      |        | N.D.  |          |        |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032010.D  
 Acq On : 03 Aug 2020 05:09 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BLK1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

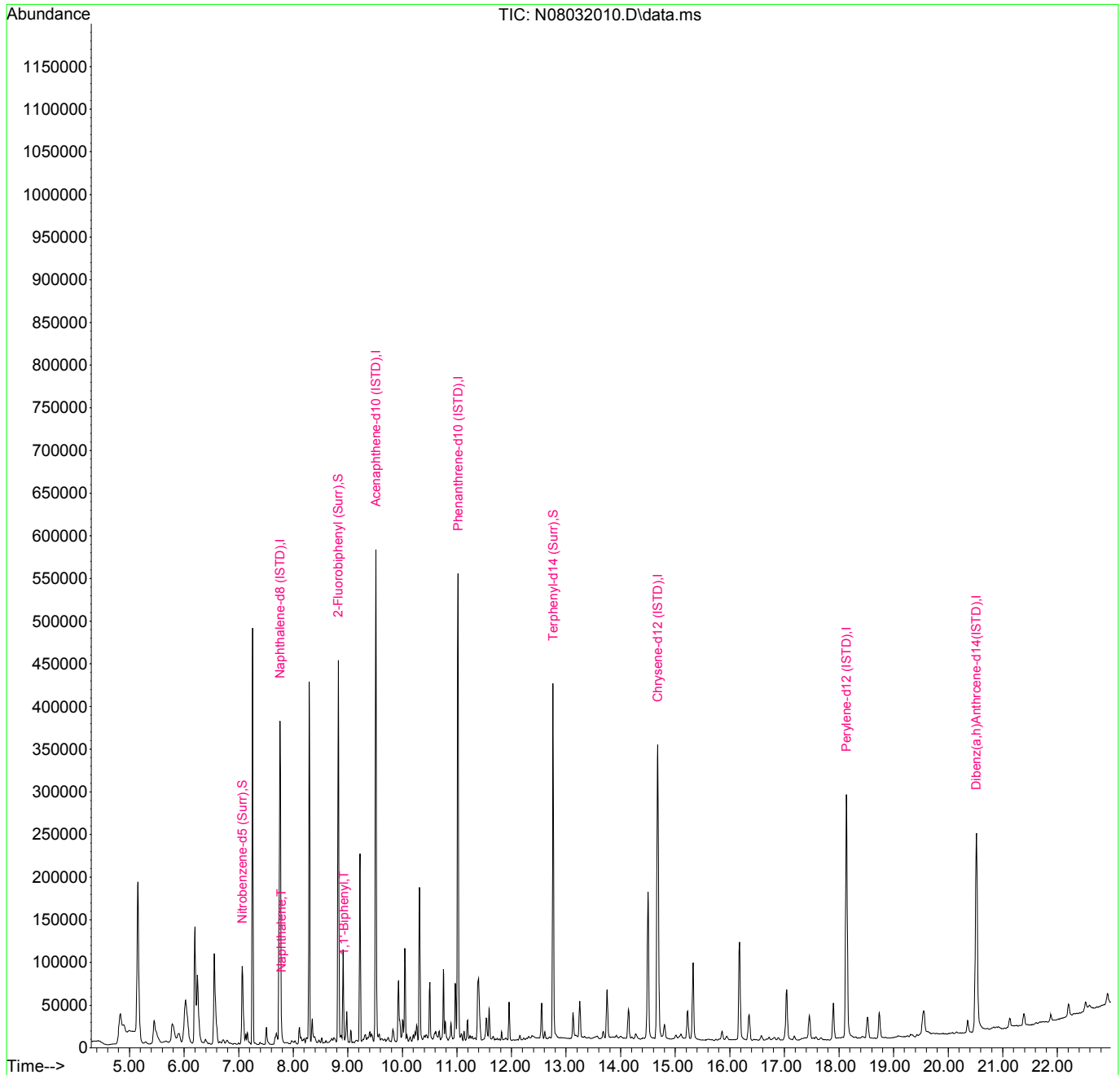
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 0.000  |      | 0        |      |       | N.D.     |
| 34) Perylene               | 18.136 | 252  | 923      |      |       | N.D.     |
| 36) Indeno(1,2,3-cd)Pyrene | 20.525 | 276  | 232      |      |       | N.D.     |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 70       |      |       | N.D.     |
| 38) Benzo(g,h,i)perylene   | 21.079 | 276  | 82       |      |       | N.D.     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032010.D  
Acq On : 03 Aug 2020 05:09 pm  
Operator : JK/ AMS/ DTH  
Sample : 0080029-BLK1  
Misc : 1x, 8270D LL PAH ONLY  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Tue Jun 09 09:45:26 2020  
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032010.D  
 Acq On : 03 Aug 2020 05:09 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BLK1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                         |        |      |          |        |       |          |        |
| Internal Standards            |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 263262   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 171955   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 293714   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 268952   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 254646   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 225716   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.067  | 82   | 57480    | 69.89  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 8.827  | 172  | 207686   | 78.01  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 243122   | 93.56  | ng/ml | -0.01    |        |
| Target Compounds              |        |      |          |        |       |          |        |
|                               |        |      |          |        |       |          | Qvalue |
| 3) Decalin                    | 0.000  |      | 0        |        | N.D.  |          |        |
| 4) Naphthalene                | 7.784  | 128  | 1287     | 0.45   | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 505      |        | N.D.  |          |        |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 327      |        | N.D.  |          |        |
| 7) 1,1'-Biphenyl              | 8.926  | 154  | 1050     | 0.43   | ng/ml |          | 86     |
| 8) 2,6-Dimethylnaphthalene    | 9.095  | 156  | 237      |        | N.D.  |          |        |
| 11) Acenaphthylene            | 9.369  | 152  | 140      |        | N.D.  |          |        |
| 12) Acenaphthene              | 9.544  | 153  | 523      |        | N.D.  |          |        |
| 13) Dibenzofuran              | 9.719  | 168  | 189      |        | N.D.  |          |        |
| 14) 1,6,7-Trimethylnaphtha... | 9.929  | 170  | 62       |        | N.D.  |          |        |
| 15) Fluorene                  | 10.069 | 166  | 319      |        | N.D.  |          |        |
| 17) Dibenzothiopene           | 10.914 | 184  | 107      |        | N.D.  |          |        |
| 18) Phenanthrene              | 11.042 | 178  | 893      |        | N.D.  |          |        |
| 19) Anthracene                | 11.095 | 178  | 77       |        | N.D.  |          |        |
| 20) Carbazole                 | 11.264 | 167  | 171      |        | N.D.  |          |        |
| 21) 1-Methylphenanthrene      | 11.672 | 192  | 171      |        | N.D.  |          |        |
| 22) Fluoranthene              | 12.290 | 202  | 361      |        | N.D.  |          |        |
| 24) Pyrene                    | 12.564 | 202  | 283      |        | N.D.  |          |        |
| 26) Benz(a)anthracene         | 14.679 | 228  | 676      |        | N.D.  |          |        |
| 27) Chrysene                  | 14.732 | 228  | 121      |        | N.D.  |          |        |
| 29) Benzo(b)fluoranthene      | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 30) Benzo(k)fluoranthene      | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 31) Benzo(b+k)fluoranthene    | 17.238 | 252  | 259      |        | N.D.  |          |        |
| 32) Benzo(e)pyrene            | 17.879 | 252  | 169      |        | N.D.  |          |        |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032010.D  
 Acq On : 03 Aug 2020 05:09 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BLK1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

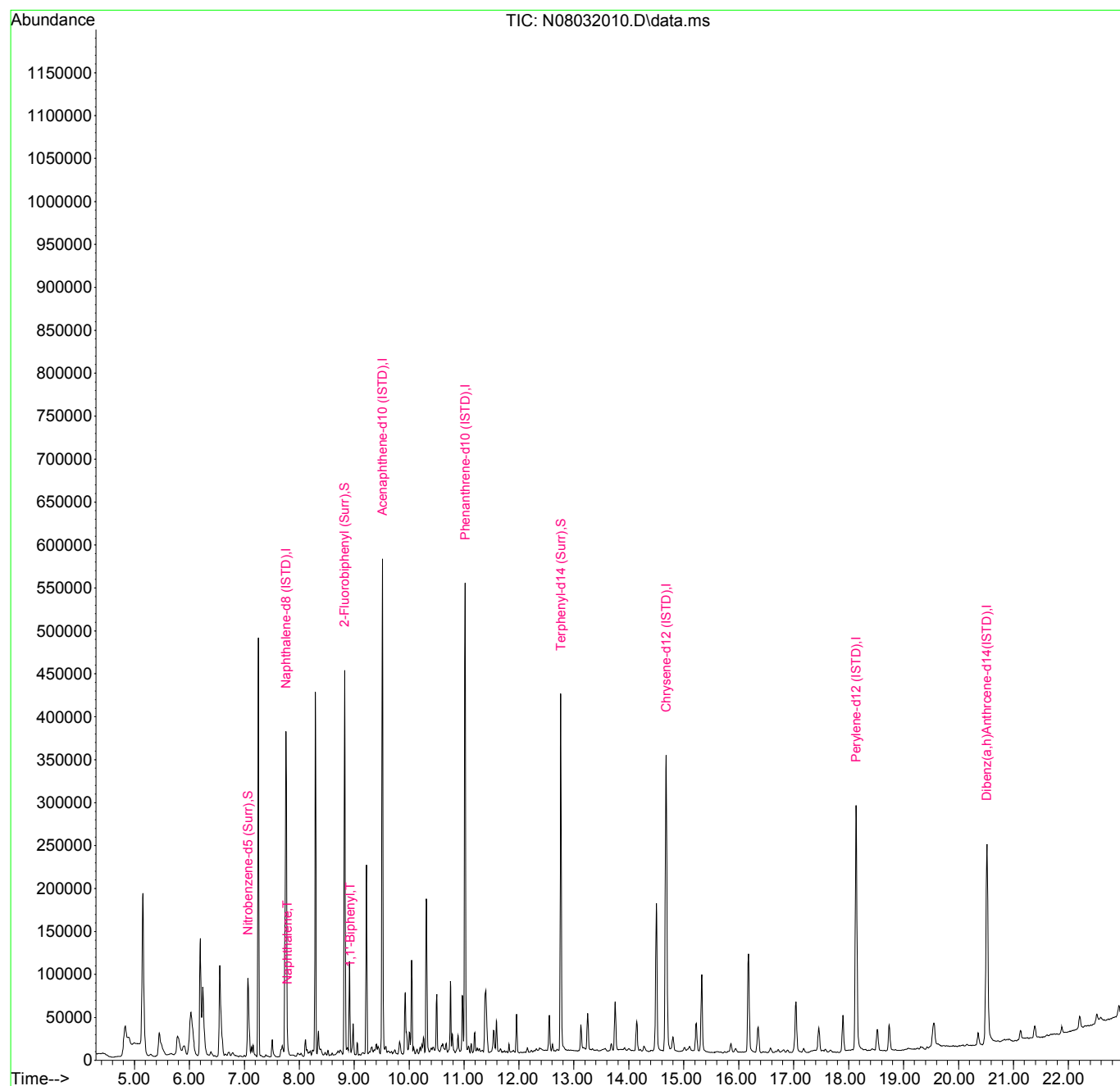
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 0.000  |      | 0        |      |       | N.D.     |
| 34) Perylene               | 18.136 | 252  | 923      |      |       | N.D.     |
| 36) Indeno(1,2,3-cd)Pyrene | 20.525 | 276  | 232      |      |       | N.D.     |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 70       |      |       | N.D.     |
| 38) Benzo(g,h,i)perylene   | 21.079 | 276  | 82       |      |       | N.D.     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032010.D  
Acq On : 03 Aug 2020 05:09 pm  
Operator : JK/ AMS/ DTH  
Sample : 0080029-BLK1  
Misc : 1x, 8270D LL PAH ONLY  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 08:31:36 2020  
Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Tue Jun 09 09:45:26 2020  
Response via : Initial Calibration





AMS 8/4/20

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                          |        |      |          |        |       |          |        |
| Internal Standards             |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 253065   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 157066   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 264539   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 211298   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 193671   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 173324   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.073  | 82   | 54507    | 68.95  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.828  | 172  | 191403   | 78.71  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 193101   | 94.58  | ng/ml | -0.01    |        |
| Target Compounds               |        |      |          |        |       |          |        |
|                                |        |      |          |        |       |          | Qvalue |
| 3) Decalin                     | 7.236  | 138  | 9368     | 46.30  | ng/ml |          | 81     |
| 4) Naphthalene                 | 7.784  | 128  | 94082    | 34.13  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 65866    | 35.59  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 69664    | 37.91  | ng/ml |          | 96     |
| 7) 1,1'-Biphenyl               | 8.927  | 154  | 83393    | 35.75  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene     | 9.090  | 156  | 61792    | 38.61  | ng/ml |          | 97     |
| 11) Acenaphthylene             | 9.370  | 152  | 108074   | 36.90  | ng/ml |          | 98     |
| 12) Acenaphthene               | 9.544  | 153  | 73659    | 34.28  | ng/ml |          | 100    |
| 13) Dibenzofuran               | 9.719  | 168  | 85333    | 32.81  | ng/ml |          | 94     |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 64965    | 38.59  | ng/ml |          | 99     |
| 15) Fluorene                   | 10.069 | 166  | 72102    | 34.90  | ng/ml |          | 99     |
| 17) Dibenzothiopene            | 10.914 | 184  | 92185    | 34.48  | ng/ml |          | 94     |
| 18) Phenanthrene               | 11.042 | 178  | 104463   | 34.31  | ng/ml |          | 99     |
| 19) Anthracene                 | 11.095 | 178  | 88242    | 35.39  | ng/ml |          | 99     |
| 20) Carbazole                  | 11.264 | 167  | 67182    | 31.21  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 75807    | 36.92  | ng/ml |          | 96     |
| 22) Fluoranthene               | 12.290 | 202  | 108491   | 36.15  | ng/ml |          | 95     |
| 24) Pyrene                     | 12.564 | 202  | 111712   | 40.76  | ng/ml |          | 99     |
| 26) Benz(a)anthracene          | 14.656 | 228  | 79184    | 36.14  | ng/ml |          | 99     |
| 27) Chrysene                   | 14.738 | 228  | 81356    | 36.10  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene       | 17.232 | 252  | 75367    | 37.64  | ng/ml |          | 91     |
| 30) Benzo(k)fluoranthene       | 17.297 | 252  | 75739    | 37.95  | ng/ml |          | 90     |
| 31) Benzo(b+k)fluoranthene     | 17.297 | 252  | 158824   | 75.44  | ng/ml |          | 90     |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 75528    | 36.08  | ng/ml |          | 97     |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

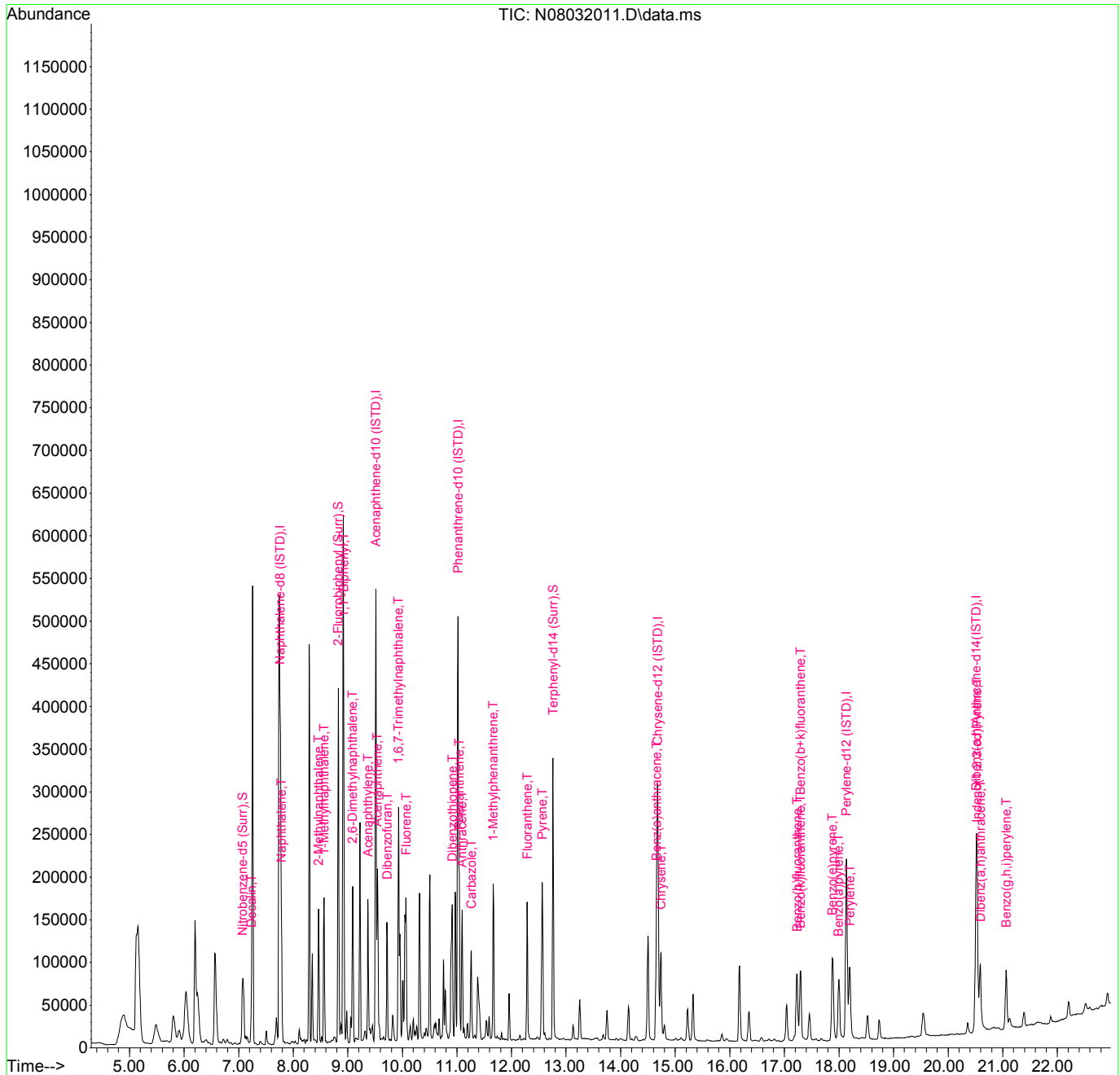
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 63746    | 40.04 | ng/ml | 94       |
| 34) Perylene               | 18.200 | 252  | 77756    | 36.07 | ng/ml | 100      |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 67155    | 35.67 | ng/ml | 78       |
| 37) Dibenz(a,h)anthracene  | 20.590 | 278  | 65911    | 34.72 | ng/ml | 80       |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 69752    | 34.54 | ng/ml | 79       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                         |        |      |          |        |       |          |        |
| Internal Standards            |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 253065   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 157066   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 264539   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 211298   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 193671   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 173324   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.073  | 82   | 54507    | 68.95  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 8.828  | 172  | 191403   | 78.71  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 193101   | 94.58  | ng/ml | -0.01    |        |
| Target Compounds              |        |      |          |        |       |          |        |
|                               |        |      |          |        |       |          | Qvalue |
| 3) Decalin                    | 7.236  | 138  | 9368     | 46.30  | ng/ml |          | 81     |
| 4) Naphthalene                | 7.784  | 128  | 94082    | 34.13  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 65866    | 35.59  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 69664    | 37.91  | ng/ml |          | 96     |
| 7) 1,1'-Biphenyl              | 8.927  | 154  | 83393    | 35.75  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene    | 9.090  | 156  | 61792    | 38.61  | ng/ml |          | 97     |
| 11) Acenaphthylene            | 9.370  | 152  | 108074   | 36.90  | ng/ml |          | 98     |
| 12) Acenaphthene              | 9.544  | 153  | 73659    | 34.28  | ng/ml |          | 100    |
| 13) Dibenzofuran              | 9.719  | 168  | 85333    | 32.81  | ng/ml |          | 94     |
| 14) 1,6,7-Trimethylnaphtha... | 9.929  | 170  | 64965    | 38.59  | ng/ml |          | 99     |
| 15) Fluorene                  | 10.069 | 166  | 72102    | 34.90  | ng/ml |          | 99     |
| 17) Dibenzothiopene           | 10.914 | 184  | 92185    | 34.48  | ng/ml |          | 94     |
| 18) Phenanthrene              | 11.042 | 178  | 104463   | 34.31  | ng/ml |          | 99     |
| 19) Anthracene                | 11.095 | 178  | 88242    | 35.39  | ng/ml |          | 99     |
| 20) Carbazole                 | 11.264 | 167  | 67182    | 31.21  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene      | 11.666 | 192  | 75807    | 36.92  | ng/ml |          | 96     |
| 22) Fluoranthene              | 12.290 | 202  | 108491   | 36.15  | ng/ml |          | 95     |
| 24) Pyrene                    | 12.564 | 202  | 111712   | 40.76  | ng/ml |          | 99     |
| 26) Benz(a)anthracene         | 14.656 | 228  | 79184    | 36.14  | ng/ml |          | 99     |
| 27) Chrysene                  | 14.738 | 228  | 81356    | 36.10  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene      | 17.232 | 252  | 75367    | 37.64  | ng/ml |          | 91     |
| 30) Benzo(k)fluoranthene      | 17.297 | 252  | 75739    | 37.95  | ng/ml |          | 90     |
| 31) Benzo(b+k)fluoranthene    | 17.297 | 252  | 158824   | 75.44  | ng/ml |          | 90     |
| 32) Benzo(e)pyrene            | 17.879 | 252  | 75528    | 36.08  | ng/ml |          | 97     |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

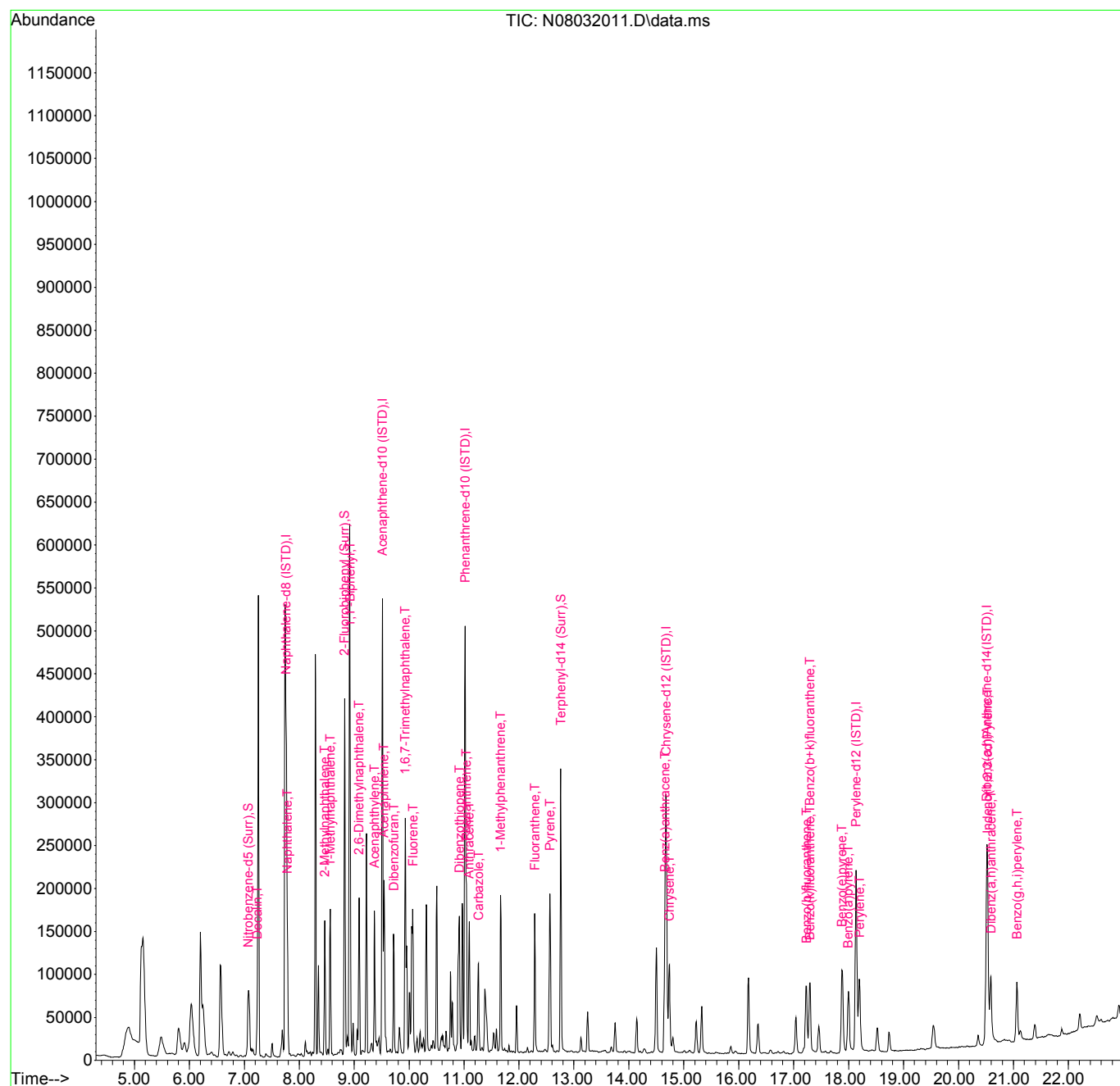
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 63746    | 40.04 | ng/ml | 94       |
| 34) Perylene               | 18.200 | 252  | 77756    | 36.07 | ng/ml | 100      |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 67155    | 35.67 | ng/ml | 78       |
| 37) Dibenz(a,h)anthracene  | 20.590 | 278  | 65911    | 34.72 | ng/ml | 80       |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 69752    | 34.54 | ng/ml | 79       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032011.D  
 Acq On : 03 Aug 2020 05:42 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-BS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 08:32:10 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|--------|----------|--------|
| -----                          |        |      |          |        |        |          |        |
| Internal Standards             |        |      |          |        |        |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 283451   | 100.00 | ng/ml  | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 164335   | 100.00 | ng/ml  | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 268509   | 100.00 | ng/ml  | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 271530   | 100.00 | ng/ml  | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 264585   | 100.00 | ng/ml  | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 231149   | 100.00 | ng/ml  | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |        |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 68072    | 76.88  | ng/ml  | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 206196   | 81.05  | ng/ml  | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 243667   | 92.88  | ng/ml  | -0.01    |        |
| Target Compounds               |        |      |          |        |        |          |        |
|                                |        |      |          |        |        |          | Qvalue |
| 3) Decalin                     | 0.000  |      | 0        | N.D.   |        |          |        |
| 4) Naphthalene                 | 7.778  | 128  | 5939     | 1.92   | ng/ml  |          | 97     |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 1340     | 0.65   | ng/ml  |          | 99     |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 803      | N.D.   |        |          |        |
| 7) 1,1'-Biphenyl               | 8.921  | 154  | 1848     | 0.71   | ng/ml  |          | 71     |
| 8) 2,6-Dimethylnaphthalene     | 9.096  | 156  | 713      | N.D.   |        |          |        |
| 11) Acenaphthylene             | 9.370  | 152  | 1381     | 0.45   | ng/ml  |          | 85     |
| 12) Acenaphthene               | 9.544  | 153  | 14044    | 6.25   | ng/ml  |          | 97     |
| 13) Dibenzofuran               | 9.719  | 168  | 413      | N.D.   |        |          |        |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 2281     | 1.29   | ng/ml# |          | 23     |
| 15) Fluorene                   | 10.069 | 166  | 12033    | 5.57   | ng/ml  |          | 97     |
| 17) Dibenzothiopene            | 10.914 | 184  | 20119    | 7.41   | ng/ml  |          | 95     |
| 18) Phenanthrene               | 11.042 | 178  | 42675    | 13.81  | ng/ml  |          | 99     |
| 19) Anthracene                 | 11.095 | 178  | 3071     | 1.21   | ng/ml  |          | 92     |
| 20) Carbazole                  | 11.264 | 167  | 387      | N.D.   |        |          |        |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 9583     | 4.60   | ng/ml  |          | 96     |
| 22) Fluoranthene               | 12.290 | 202  | 76256    | 25.03  | ng/ml  |          | 96     |
| 24) Pyrene                     | 12.564 | 202  | 114140   | 32.41  | ng/ml  |          | 100    |
| 26) Benz(a)anthracene          | 14.656 | 228  | 4220     | 1.50   | ng/ml  |          | 93     |
| 27) Chrysene                   | 14.732 | 228  | 4184     | 1.44   | ng/ml  |          | 95     |
| 29) Benzo(b)fluoranthene       | 17.227 | 252  | 1723     | 0.63   | ng/ml  |          | 86     |
| 30) Benzo(k)fluoranthene       | 17.227 | 252  | 2143     | 0.79   | ng/ml  |          | 84     |
| 31) Benzo(b+k)fluoranthene     | 17.227 | 252  | 2208     | 0.77   | ng/ml  |          | 84     |
| 32) Benzo(e)pyrene             | 17.891 | 252  | 1599     | 0.56   | ng/ml# |          | 1      |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 1473     | 0.99 | ng/ml | 88       |
| 34) Perylene               | 18.194 | 252  | 1028     | N.D. |       |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 950      | N.D. |       |          |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 255      | N.D. |       |          |
| 38) Benzo(g,h,i)perylene   | 21.068 | 276  | 1032     | N.D. |       |          |

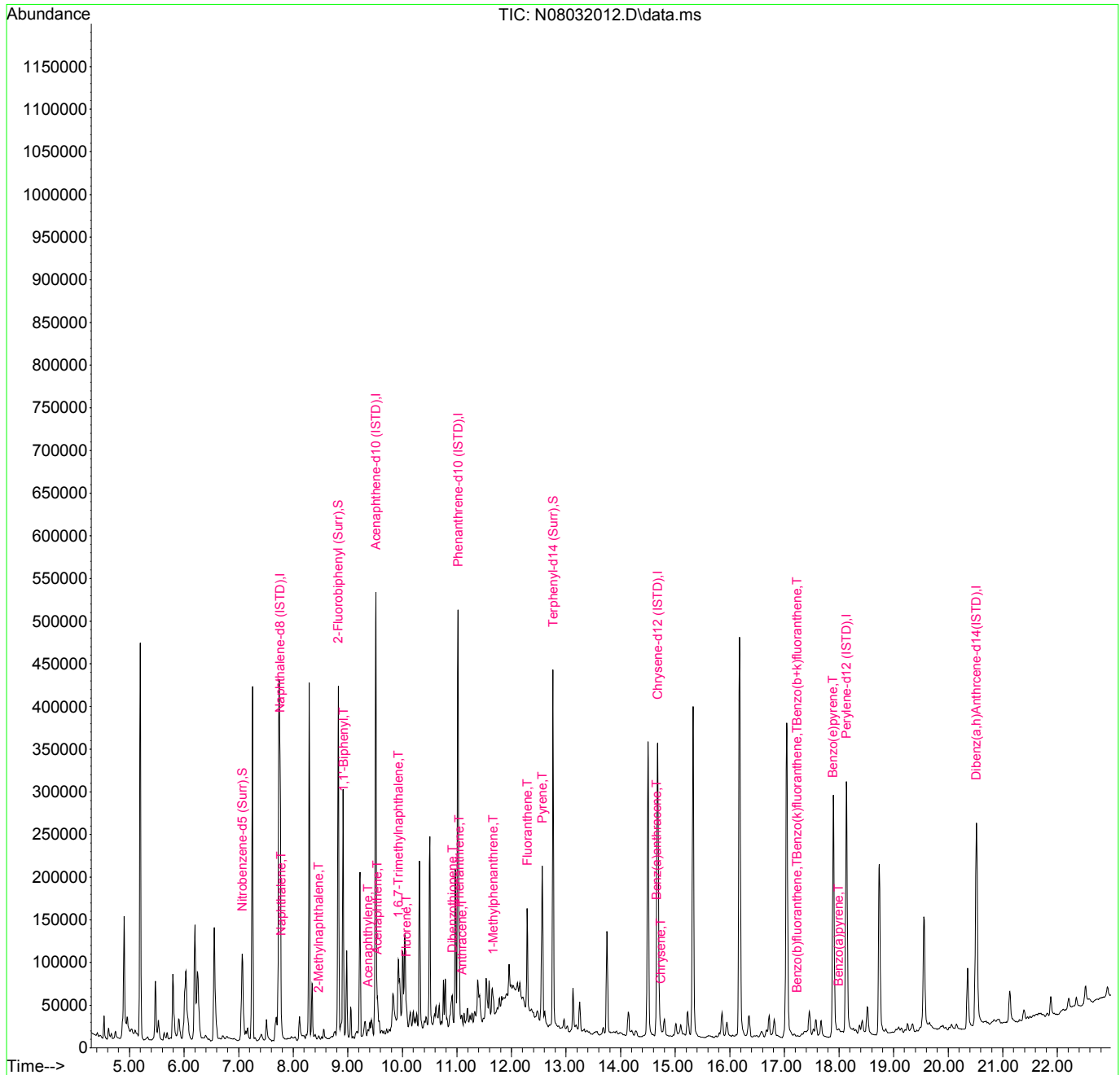
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|--------|----------|--------|
| -----                         |        |      |          |        |        |          |        |
| Internal Standards            |        |      |          |        |        |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 283451   | 100.00 | ng/ml  | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 164335   | 100.00 | ng/ml  | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 268509   | 100.00 | ng/ml  | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 271530   | 100.00 | ng/ml  | -0.01    |        |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 264585   | 100.00 | ng/ml  | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 231149   | 100.00 | ng/ml  | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |        |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.067  | 82   | 68072    | 76.88  | ng/ml  | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 8.827  | 172  | 206196   | 81.05  | ng/ml  | 0.00     |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 243667   | 92.88  | ng/ml  | -0.01    |        |
| Target Compounds              |        |      |          |        |        |          |        |
|                               |        |      |          |        |        |          | Qvalue |
| 3) Decalin                    | 0.000  |      | 0        | N.D.   |        |          |        |
| 4) Naphthalene                | 7.778  | 128  | 5939     | 1.92   | ng/ml  |          | 97     |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 1340     | 0.65   | ng/ml  |          | 99     |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 803      | N.D.   |        |          |        |
| 7) 1,1'-Biphenyl              | 8.921  | 154  | 1848     | 0.71   | ng/ml  |          | 71     |
| 8) 2,6-Dimethylnaphthalene    | 9.096  | 156  | 713      | N.D.   |        |          |        |
| 11) Acenaphthylene            | 9.370  | 152  | 1381     | 0.45   | ng/ml  |          | 85     |
| 12) Acenaphthene              | 9.544  | 153  | 14044    | 6.25   | ng/ml  |          | 97     |
| 13) Dibenzofuran              | 9.719  | 168  | 413      | N.D.   |        |          |        |
| 14) 1,6,7-Trimethylnaphtha... | 9.929  | 170  | 2281     | 1.29   | ng/ml# |          | 23     |
| 15) Fluorene                  | 10.069 | 166  | 12033    | 5.57   | ng/ml  |          | 97     |
| 17) Dibenzothiopene           | 10.914 | 184  | 20119    | 7.41   | ng/ml  |          | 95     |
| 18) Phenanthrene              | 11.042 | 178  | 42675    | 13.81  | ng/ml  |          | 99     |
| 19) Anthracene                | 11.095 | 178  | 3071     | 1.21   | ng/ml  |          | 92     |
| 20) Carbazole                 | 11.264 | 167  | 387      | N.D.   |        |          |        |
| 21) 1-Methylphenanthrene      | 11.666 | 192  | 9583     | 4.60   | ng/ml  |          | 96     |
| 22) Fluoranthene              | 12.290 | 202  | 76256    | 25.03  | ng/ml  |          | 96     |
| 24) Pyrene                    | 12.564 | 202  | 114140   | 32.41  | ng/ml  |          | 100    |
| 26) Benz(a)anthracene         | 14.656 | 228  | 4220     | 1.50   | ng/ml  |          | 93     |
| 27) Chrysene                  | 14.732 | 228  | 4184     | 1.44   | ng/ml  |          | 95     |
| 29) Benzo(b)fluoranthene      | 17.227 | 252  | 1723     | 0.63   | ng/ml  |          | 86     |
| 30) Benzo(k)fluoranthene      | 17.227 | 252  | 2143     | 0.79   | ng/ml  |          | 84     |
| 31) Benzo(b+k)fluoranthene    | 17.227 | 252  | 2208     | 0.77   | ng/ml  |          | 84     |
| 32) Benzo(e)pyrene            | 17.891 | 252  | 1599     | 0.56   | ng/ml# |          | 1      |

Quantitation Report      (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6      Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

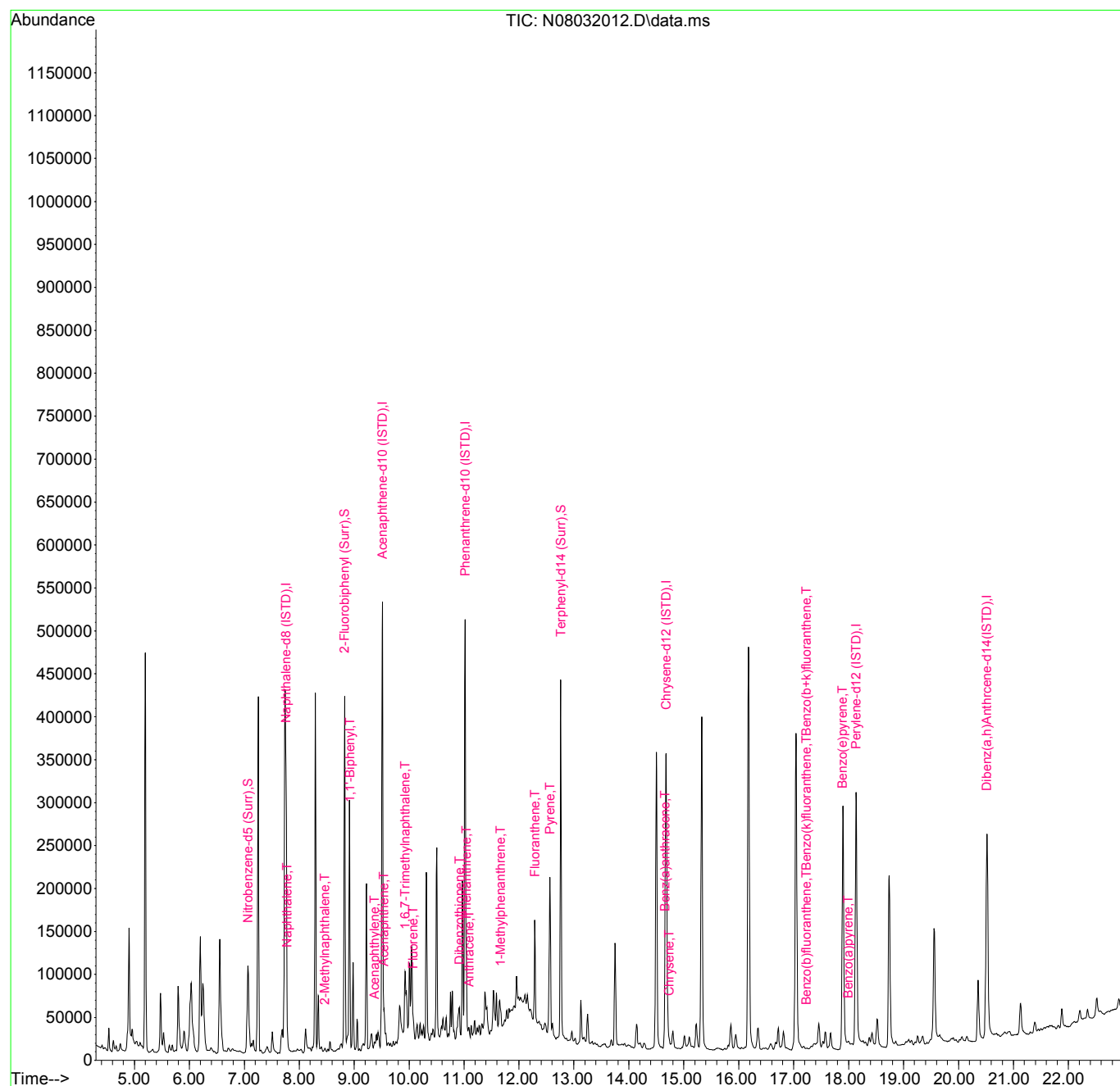
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 1473     | 0.99 | ng/ml | 88       |
| 34) Perylene               | 18.194 | 252  | 1028     | N.D. |       |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 950      | N.D. |       |          |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 255      | N.D. |       |          |
| 38) Benzo(g,h,i)perylene   | 21.068 | 276  | 1032     | N.D. |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

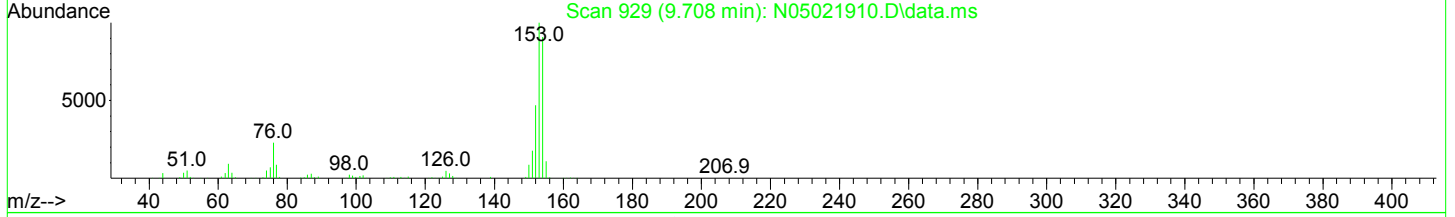
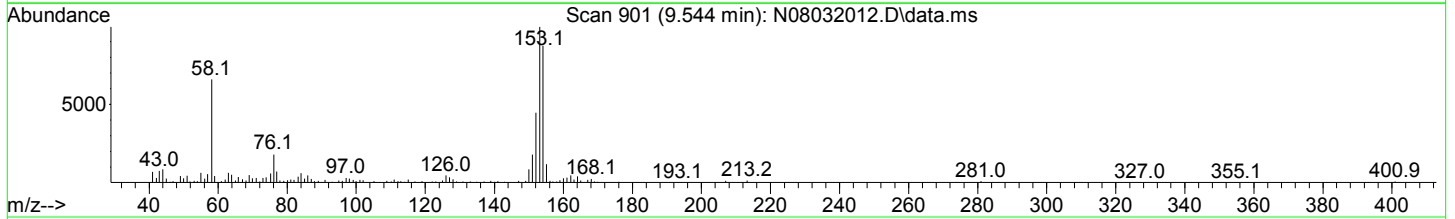
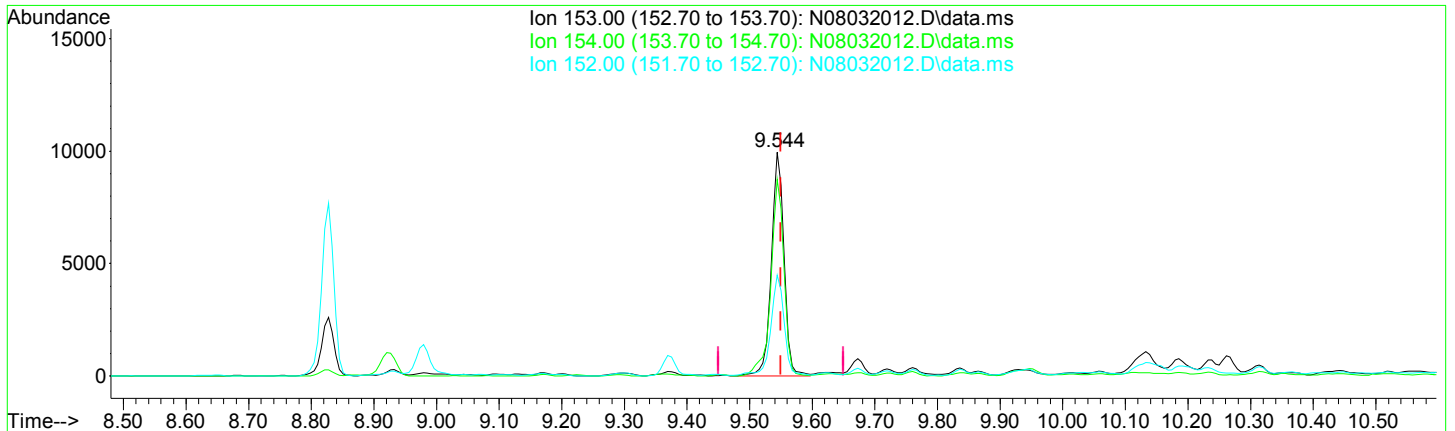
Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032012.D\data.ms

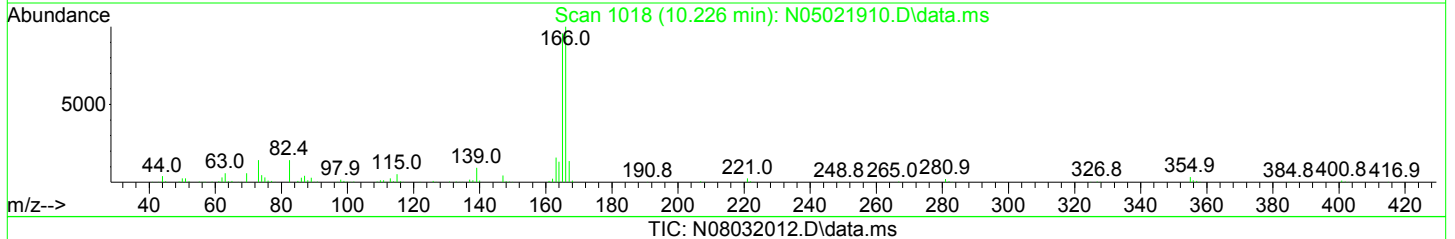
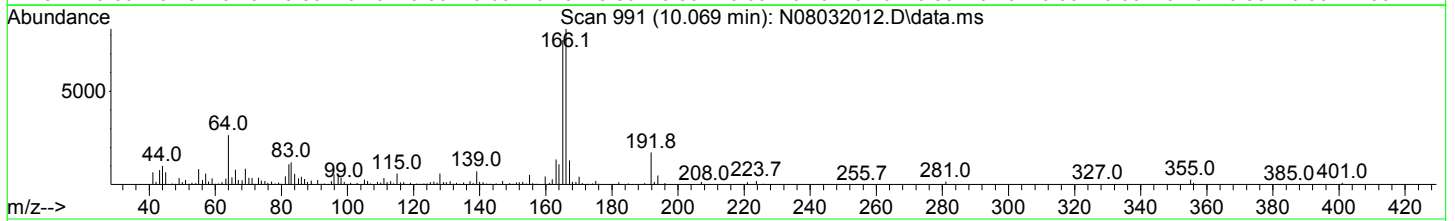
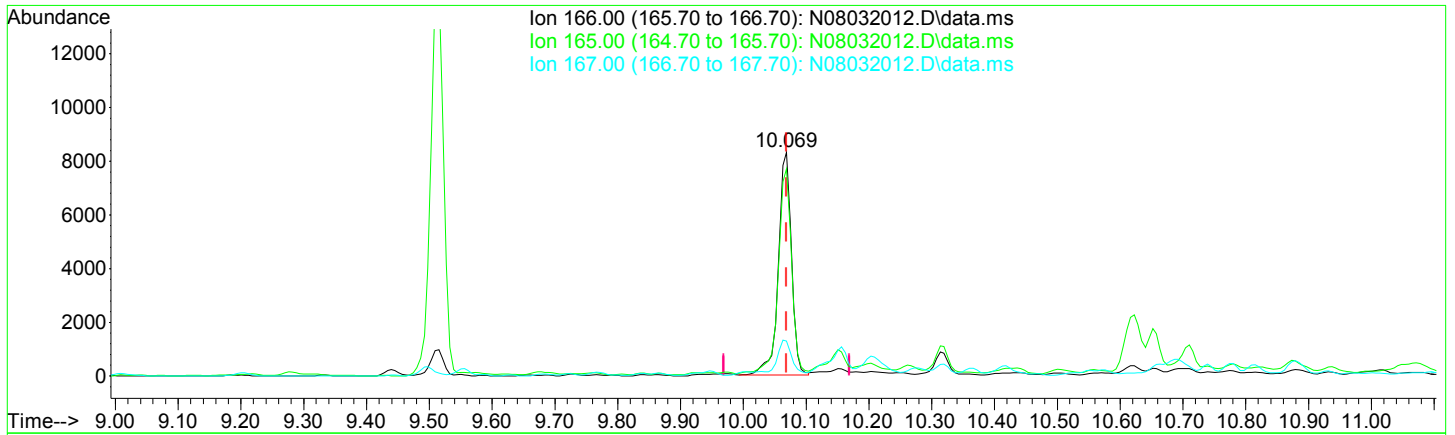
(12) Acenaphthene (T)  
 9.544min (-0.006) 6.25 ng/ml  
 response 14044

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70  | 87.80  |
| 152.00 | 46.80  | 45.04  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032012.D\data.ms

(15) Fluorene (T)

10.069min (+ 0.000) 5.57 ng/ml

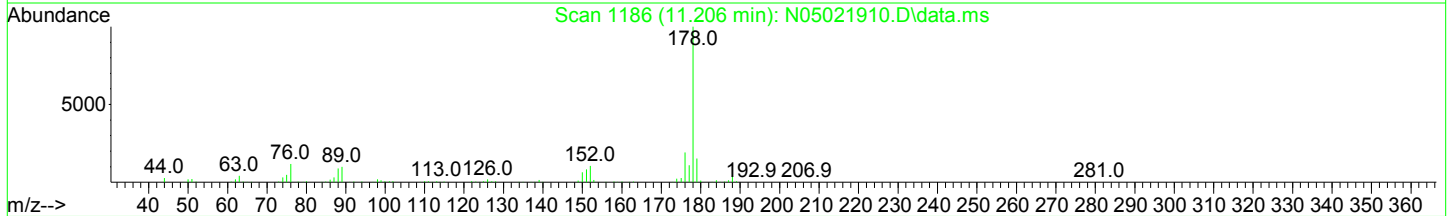
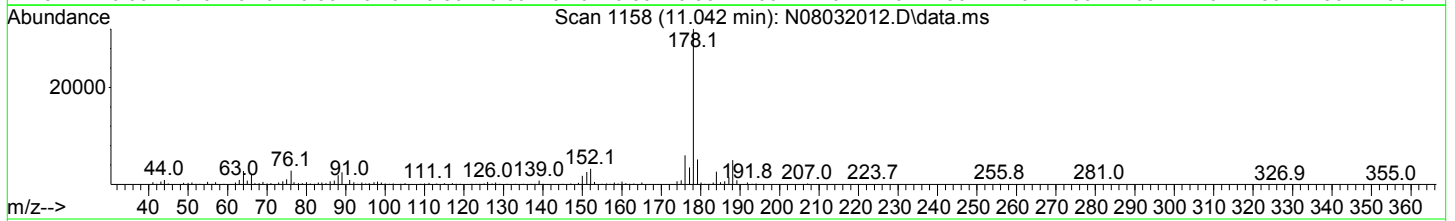
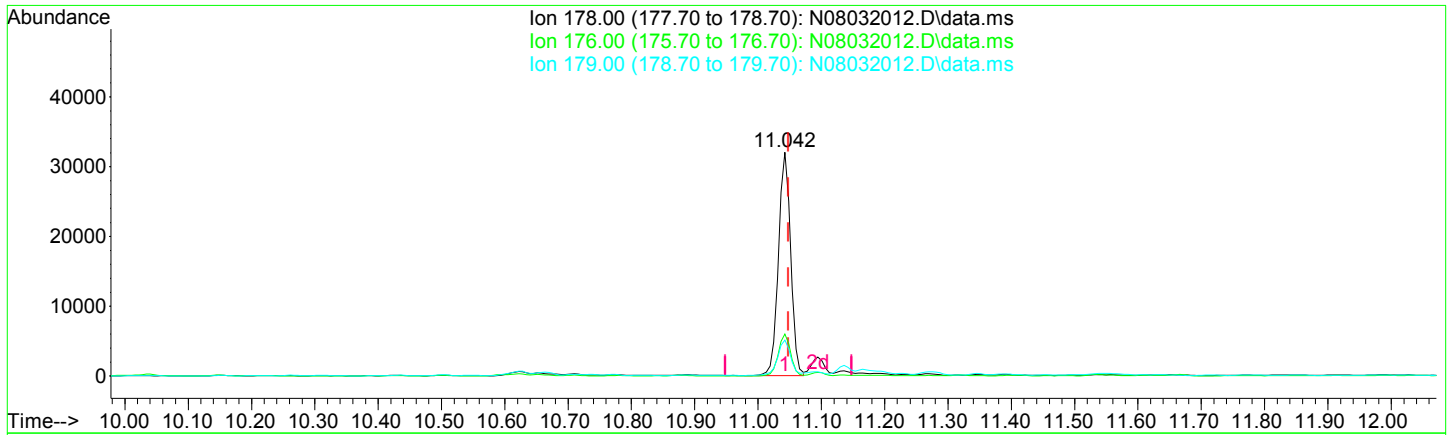
response 12033

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70  | 92.63  |
| 167.00 | 13.60  | 15.68  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032012.D\data.ms

(18) Phenanthrene (T)

11.042min (-0.006) 13.81 ng/ml

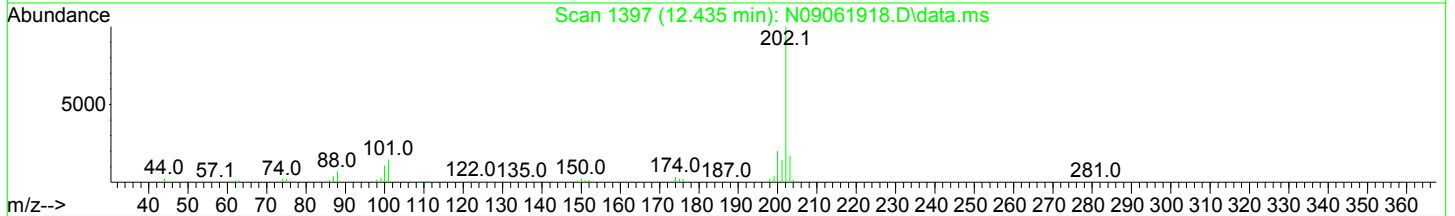
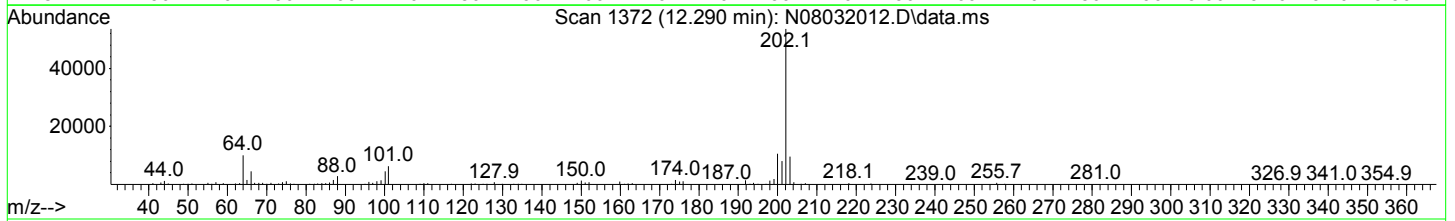
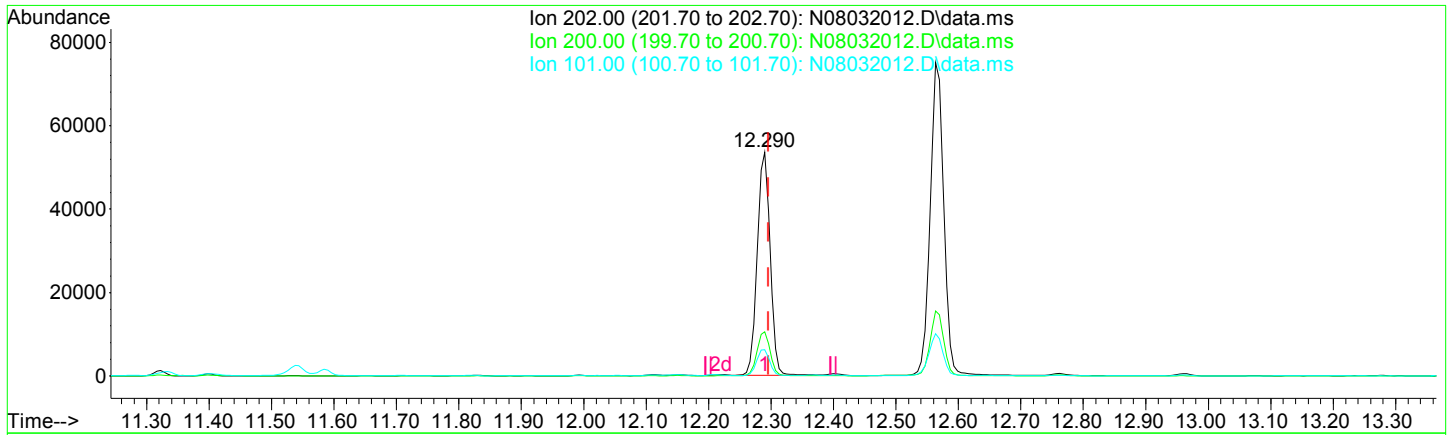
response 42675

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00  | 18.76  |
| 179.00 | 15.10  | 16.07  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032012.D\data.ms

(22) Fluoranthene (T)

12.290min (-0.006) 25.03 ng/ml

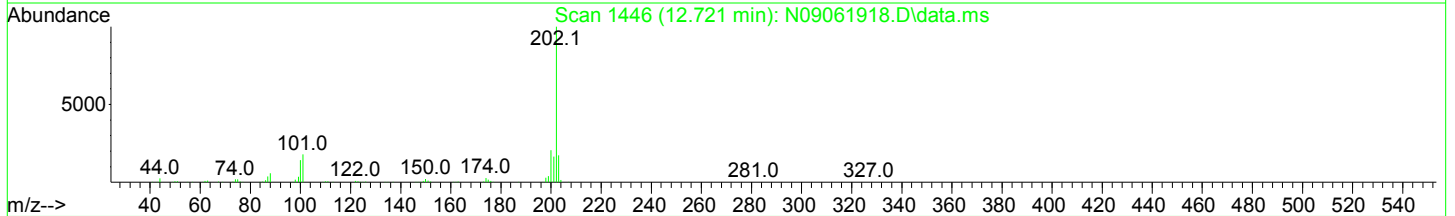
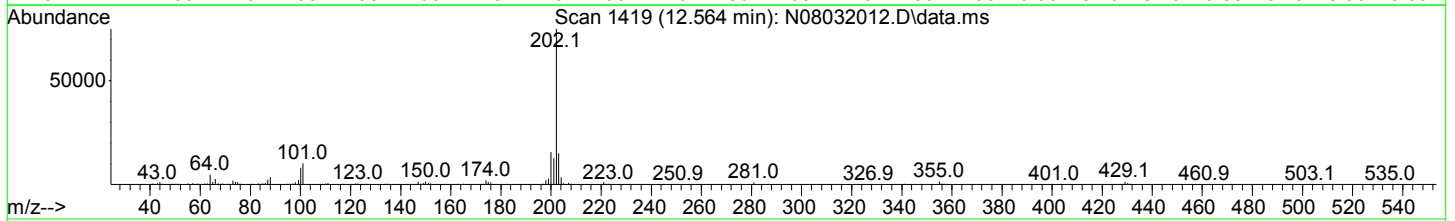
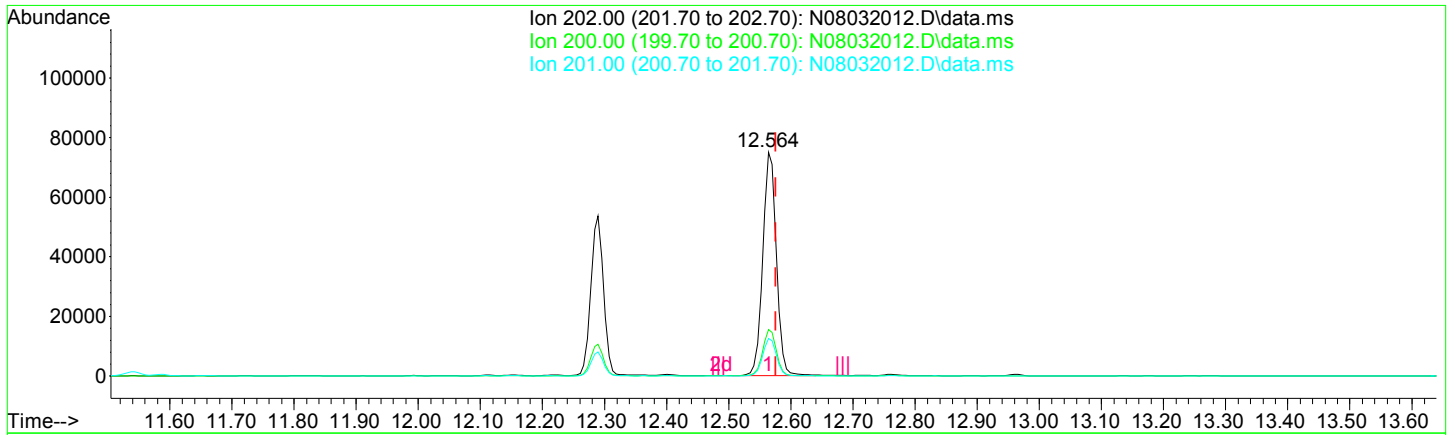
| response | 76256         |
|----------|---------------|
| Ion      | Exp% Act%     |
| 202.00   | 100.00 100.00 |
| 200.00   | 19.70 19.88   |
| 101.00   | 15.30 11.76   |
| 0.00     | 0.00 0.00     |



Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032012.D  
 Acq On : 03 Aug 2020 06:15 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-26  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 08:32:48 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032012.D\data.ms

(24) Pyrene (T)

12.564min (-0.012) 32.41 ng/ml

response 114140

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70  | 20.74  |
| 201.00 | 16.80  | 16.80  |
| 0.00   | 0.00   | 0.00   |

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|--------|----------|--------|
| Internal Standards             |        |      |          |        |        |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 278726   | 100.00 | ng/ml  | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 160292   | 100.00 | ng/ml  | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 241277   | 100.00 | ng/ml  | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.674 | 240  | 203164   | 100.00 | ng/ml  | -0.02    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 193260   | 100.00 | ng/ml  | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 165174   | 100.00 | ng/ml  | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |        |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 59427    | 68.25  | ng/ml  | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 180829   | 72.87  | ng/ml  | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 177232   | 90.29  | ng/ml  | -0.01    |        |
| Target Compounds               |        |      |          |        |        |          |        |
| 3) Decalin                     | 0.000  |      | 0        | N.D.   |        |          | Qvalue |
| 4) Naphthalene                 | 7.784  | 128  | 1743     | 0.57   | ng/ml  |          | 87     |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 729      | N.D.   |        |          |        |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 537      | N.D.   |        |          |        |
| 7) 1,1'-Biphenyl               | 8.921  | 154  | 2994     | 1.17   | ng/ml  |          | 61     |
| 8) 2,6-Dimethylnaphthalene     | 9.096  | 156  | 333      | N.D.   |        |          |        |
| 11) Acenaphthylene             | 9.369  | 152  | 1175     | N.D.   |        |          |        |
| 12) Acenaphthene               | 9.544  | 153  | 10961    | 5.00   | ng/ml  |          | 99     |
| 13) Dibenzofuran               | 9.719  | 168  | 380      | N.D.   |        |          |        |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 1829     | 1.06   | ng/ml# |          | 1      |
| 15) Fluorene                   | 10.069 | 166  | 9453     | 4.48   | ng/ml  |          | 99     |
| 17) Dibenzothiopene            | 10.914 | 184  | 15882    | 6.51   | ng/ml  |          | 96     |
| 18) Phenanthrene               | 11.042 | 178  | 32087    | 11.55  | ng/ml  |          | 98     |
| 19) Anthracene                 | 11.095 | 178  | 2348     | 1.03   | ng/ml  |          | 95     |
| 20) Carbazole                  | 11.264 | 167  | 458      | N.D.   |        |          |        |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 8109     | 4.33   | ng/ml  |          | 100    |
| 22) Fluoranthene               | 12.290 | 202  | 60908    | 22.25  | ng/ml  |          | 95     |
| 24) Pyrene                     | 12.564 | 202  | 90340    | 34.28  | ng/ml  |          | 99     |
| 26) Benz(a)anthracene          | 14.656 | 228  | 2854     | 1.35   | ng/ml  |          | 93     |
| 27) Chrysene                   | 14.732 | 228  | 2808     | 1.30   | ng/ml  |          | 99     |
| 29) Benzo(b)fluoranthene       | 17.238 | 252  | 1001     | 0.50   | ng/ml  |          | 95     |
| 30) Benzo(k)fluoranthene       | 17.238 | 252  | 1257     | 0.63   | ng/ml  |          | 97     |
| 31) Benzo(b+k)fluoranthene     | 17.238 | 252  | 1292     | 0.61   | ng/ml  |          | 97     |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 631      | N.D.   |        |          |        |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

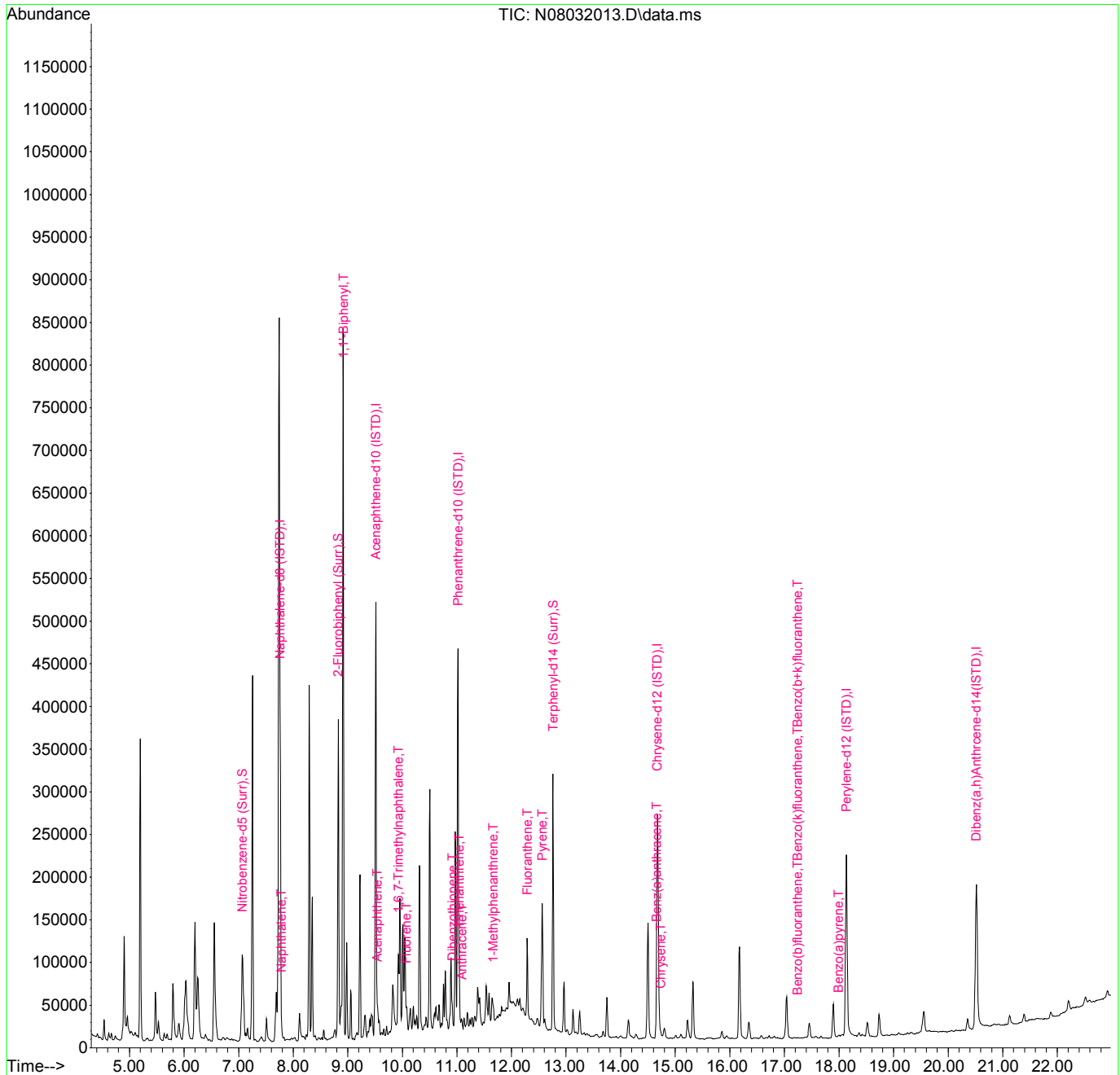
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 878      | 0.87 | ng/ml | 85       |
| 34) Perylene               | 18.188 | 252  | 687      | N.D. |       |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.525 | 276  | 550      | N.D. |       |          |
| 37) Dibenz(a,h)anthracene  | 20.566 | 278  | 57       | N.D. |       |          |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 614      | N.D. |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
Data File : N08032013.D  
Acq On : 03 Aug 2020 06:48 pm  
Operator : JK/ AMS/ DTH  
Sample : 0080029-DUP1  
Misc : 1x, 8270D LL PAH ONLY  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Tue Jun 09 09:45:26 2020  
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |        |
|-------------------------------|--------|------|----------|--------|--------|----------|--------|
| -----                         |        |      |          |        |        |          |        |
| Internal Standards            |        |      |          |        |        |          |        |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 278726   | 100.00 | ng/ml  | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 160292   | 100.00 | ng/ml  | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 241277   | 100.00 | ng/ml  | 0.00     |        |
| 23) Chrysene-d12 (ISTD)       | 14.674 | 240  | 203164   | 100.00 | ng/ml  | -0.02    |        |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 193260   | 100.00 | ng/ml  | -0.02    |        |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 165174   | 100.00 | ng/ml  | -0.02    |        |
| System Monitoring Compounds   |        |      |          |        |        |          |        |
| 2) Nitrobenzene-d5 (Surr)     | 7.067  | 82   | 59427    | 68.25  | ng/ml  | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)   | 8.827  | 172  | 180829   | 72.87  | ng/ml  | 0.00     |        |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 177232   | 90.29  | ng/ml  | -0.01    |        |
| Target Compounds              |        |      |          |        |        |          |        |
|                               |        |      |          |        |        |          | Qvalue |
| 3) Decalin                    | 0.000  |      | 0        |        | N.D.   |          |        |
| 4) Naphthalene                | 7.784  | 128  | 1743     | 0.57   | ng/ml  |          | 87     |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 729      |        | N.D.   |          |        |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 537      |        | N.D.   |          |        |
| 7) 1,1'-Biphenyl              | 8.921  | 154  | 2994     | 1.17   | ng/ml  |          | 61     |
| 8) 2,6-Dimethylnaphthalene    | 9.096  | 156  | 333      |        | N.D.   |          |        |
| 11) Acenaphthylene            | 9.369  | 152  | 1175     |        | N.D.   |          |        |
| 12) Acenaphthene              | 9.544  | 153  | 10961    | 5.00   | ng/ml  |          | 99     |
| 13) Dibenzofuran              | 9.719  | 168  | 380      |        | N.D.   |          |        |
| 14) 1,6,7-Trimethylnaphtha... | 9.929  | 170  | 1829     | 1.06   | ng/ml# |          | 1      |
| 15) Fluorene                  | 10.069 | 166  | 9453     | 4.48   | ng/ml  |          | 99     |
| 17) Dibenzothiopene           | 10.914 | 184  | 15882    | 6.51   | ng/ml  |          | 96     |
| 18) Phenanthrene              | 11.042 | 178  | 32087    | 11.55  | ng/ml  |          | 98     |
| 19) Anthracene                | 11.095 | 178  | 2348     | 1.03   | ng/ml  |          | 95     |
| 20) Carbazole                 | 11.264 | 167  | 458      |        | N.D.   |          |        |
| 21) 1-Methylphenanthrene      | 11.666 | 192  | 8109     | 4.33   | ng/ml  |          | 100    |
| 22) Fluoranthene              | 12.290 | 202  | 60908    | 22.25  | ng/ml  |          | 95     |
| 24) Pyrene                    | 12.564 | 202  | 90340    | 34.28  | ng/ml  |          | 99     |
| 26) Benz(a)anthracene         | 14.656 | 228  | 2854     | 1.35   | ng/ml  |          | 93     |
| 27) Chrysene                  | 14.732 | 228  | 2808     | 1.30   | ng/ml  |          | 99     |
| 29) Benzo(b)fluoranthene      | 17.238 | 252  | 1001     | 0.50   | ng/ml  |          | 95     |
| 30) Benzo(k)fluoranthene      | 17.238 | 252  | 1257     | 0.63   | ng/ml  |          | 97     |
| 31) Benzo(b+k)fluoranthene    | 17.238 | 252  | 1292     | 0.61   | ng/ml  |          | 97     |
| 32) Benzo(e)pyrene            | 17.879 | 252  | 631      |        | N.D.   |          |        |

Quantitation Report      (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7    Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

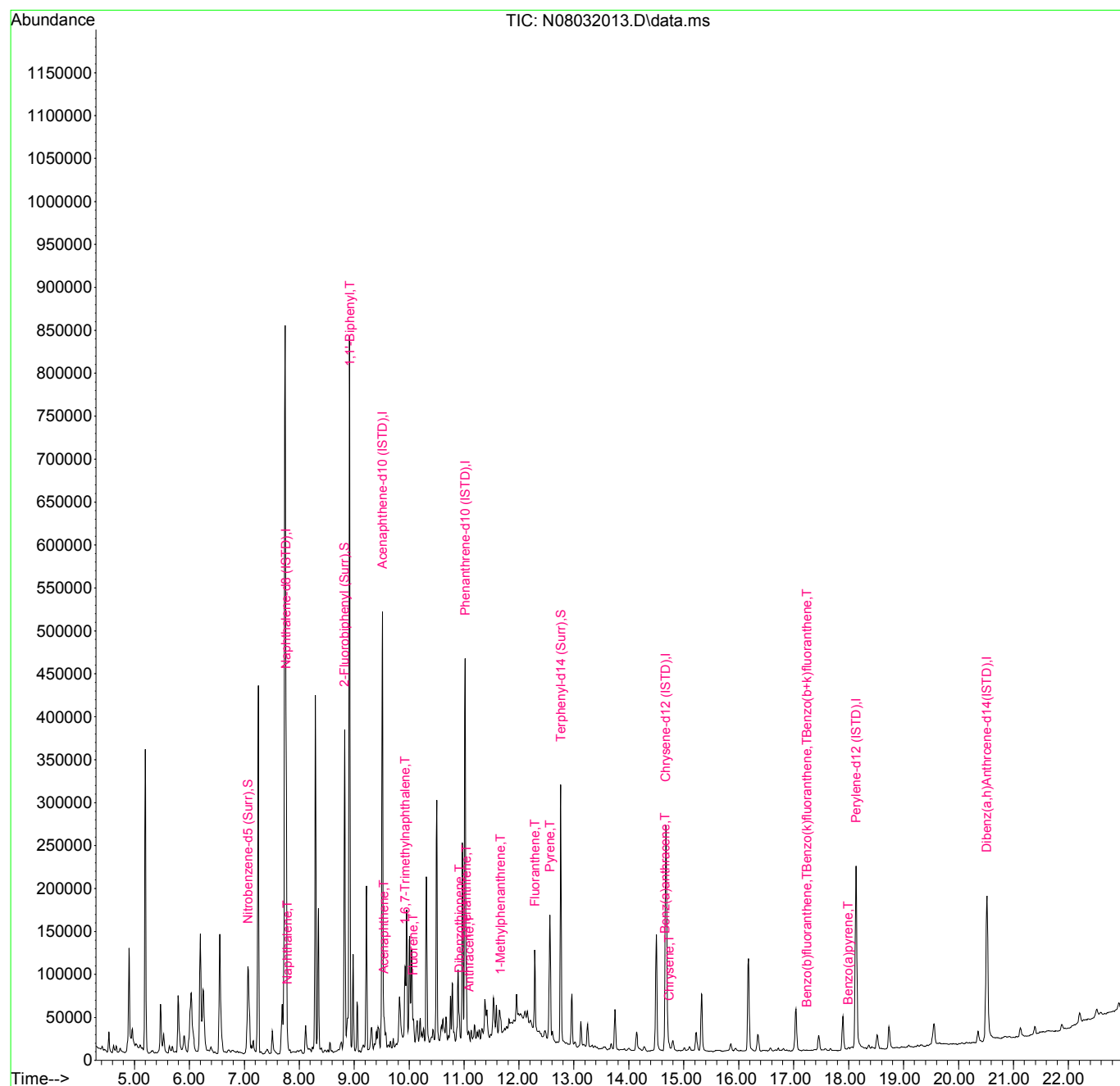
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 878      | 0.87 | ng/ml | 85       |
| 34) Perylene               | 18.188 | 252  | 687      | N.D. |       |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.525 | 276  | 550      | N.D. |       |          |
| 37) Dibenz(a,h)anthracene  | 20.566 | 278  | 57       | N.D. |       |          |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 614      | N.D. |       |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

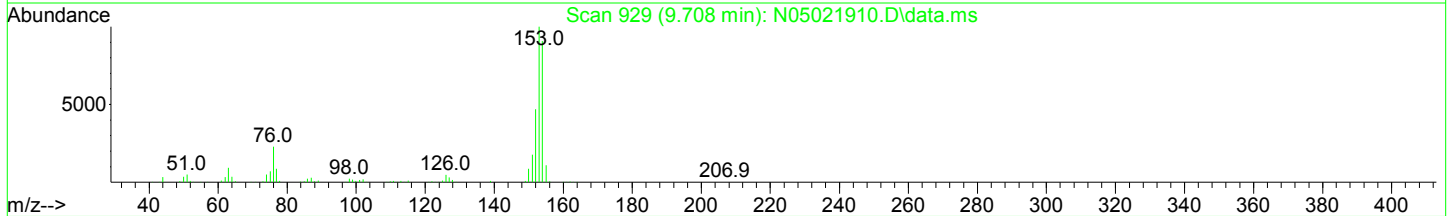
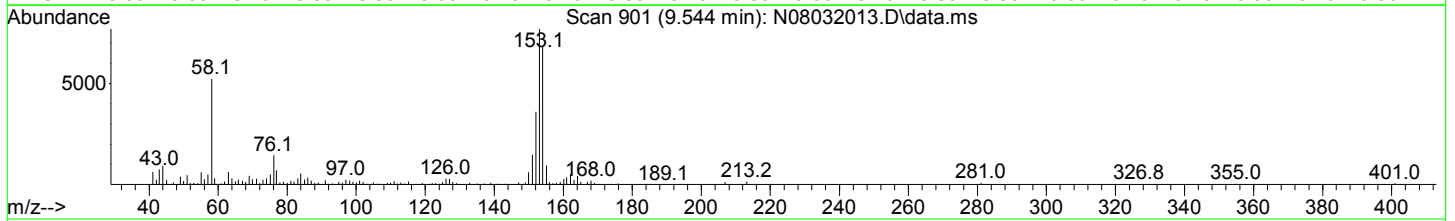
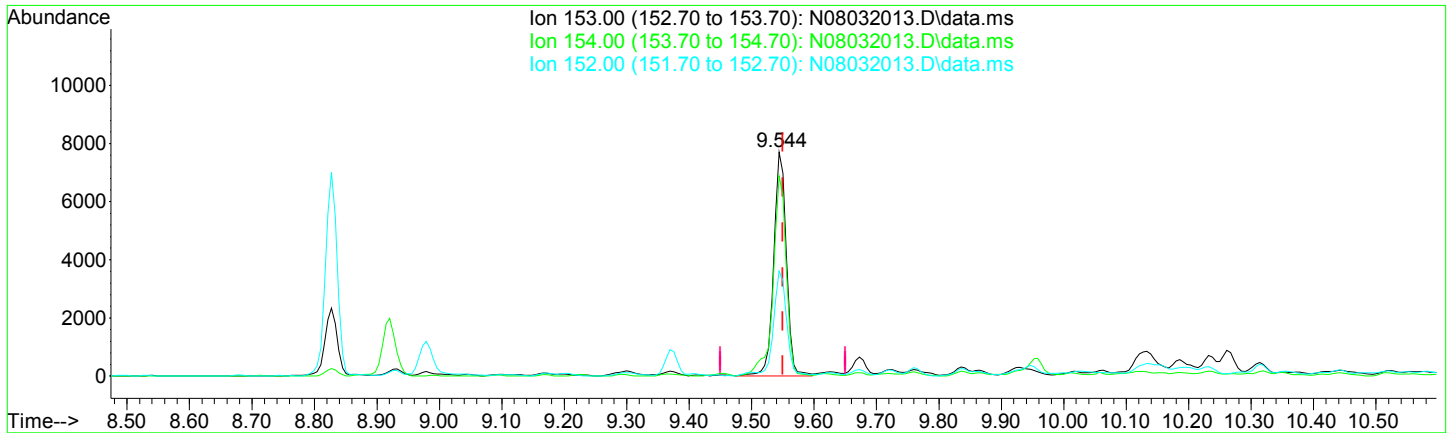
Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032013.D\data.ms

(12) Acenaphthene (T)  
 9.544min (-0.006) 5.00 ng/ml

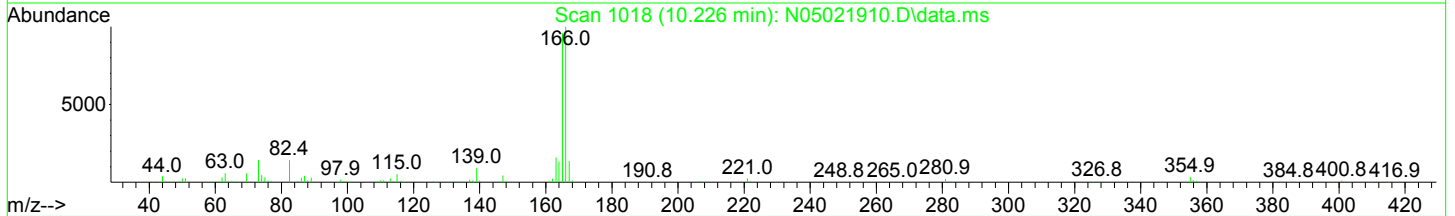
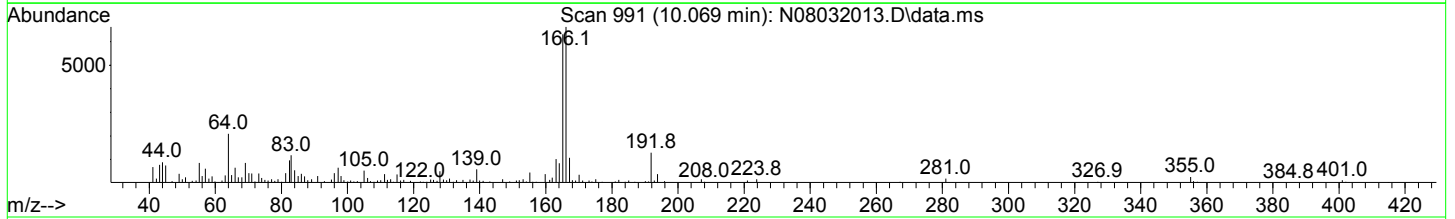
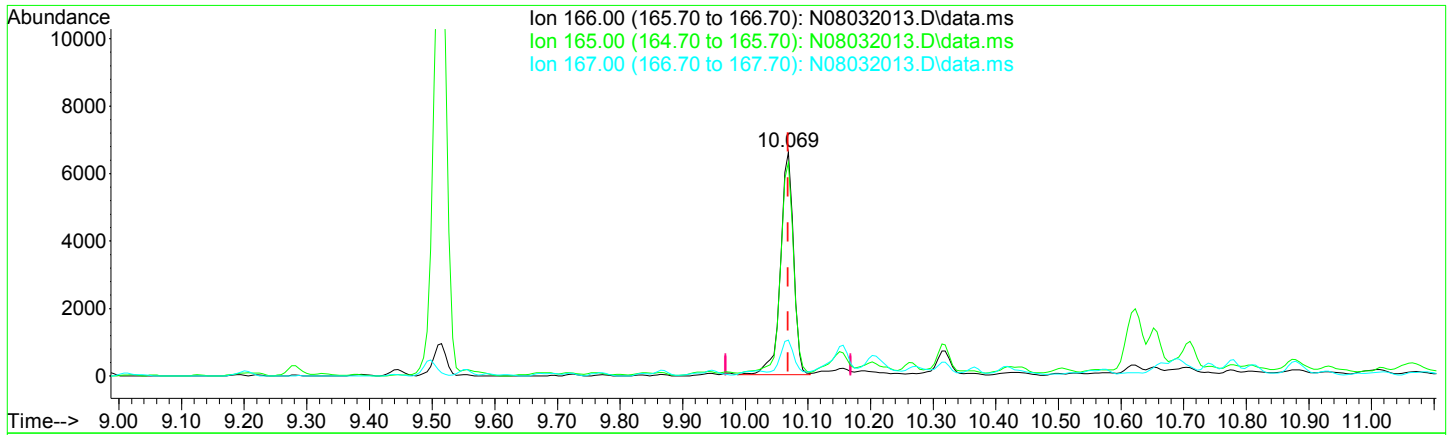
| response | 10961         |
|----------|---------------|
| Ion      | Exp% Act%     |
| 153.00   | 100.00 100.00 |
| 154.00   | 90.70 89.31   |
| 152.00   | 46.80 46.84   |
| 0.00     | 0.00 0.00     |



Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
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Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032013.D\data.ms

(15) Fluorene (T)

10.069min (+ 0.000) 4.48 ng/ml

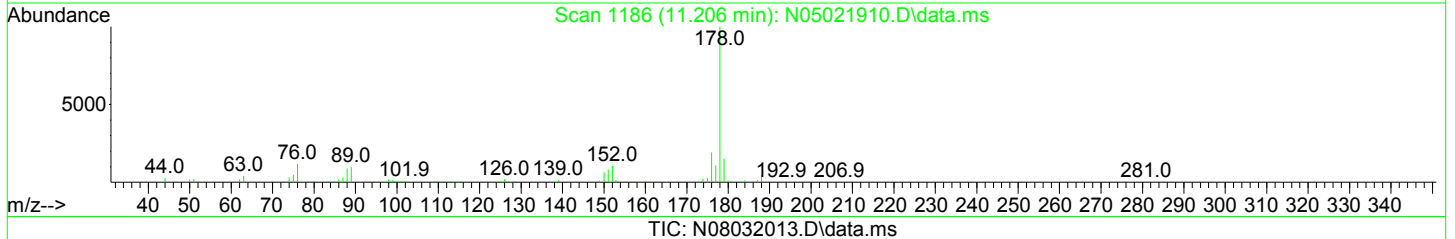
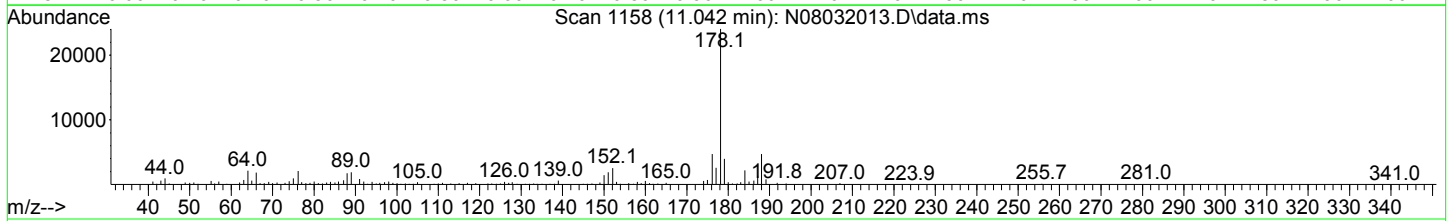
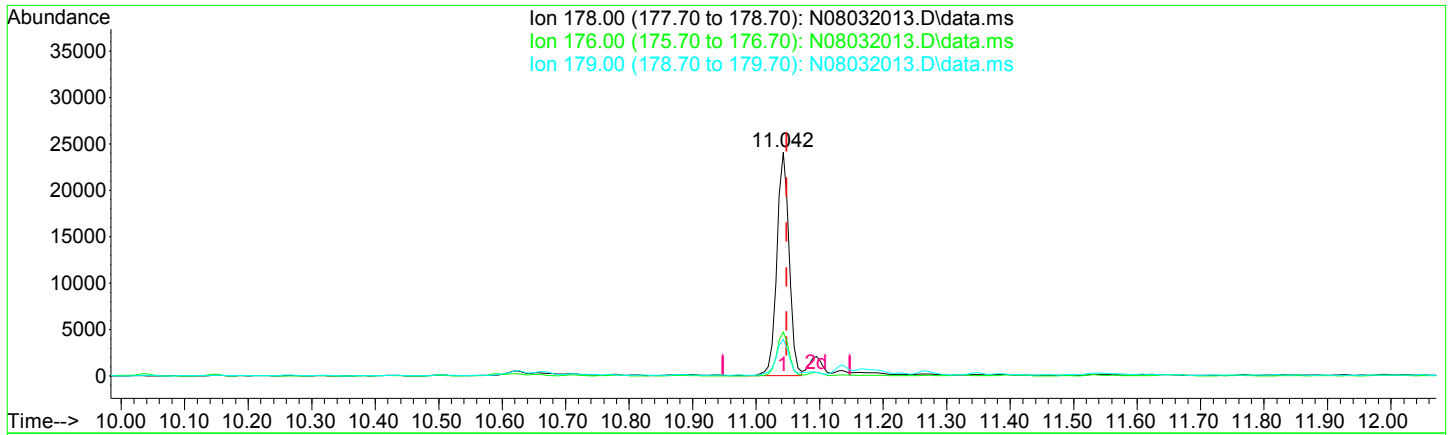
response 9453

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70  | 95.34  |
| 167.00 | 13.60  | 16.12  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032013.D\data.ms

(18) Phenanthrene (T)

11.042min (-0.006) 11.55 ng/ml

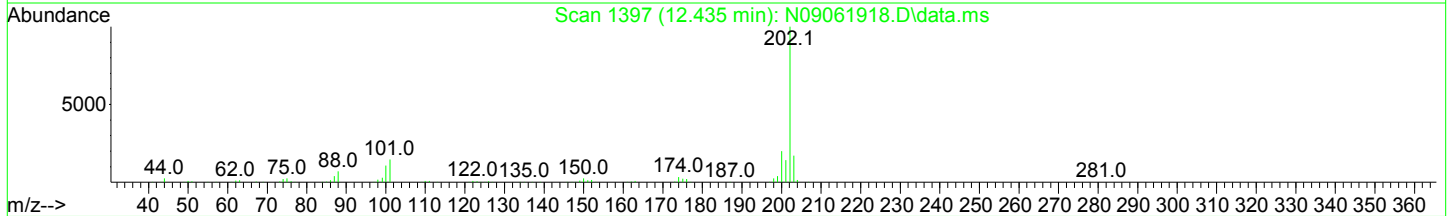
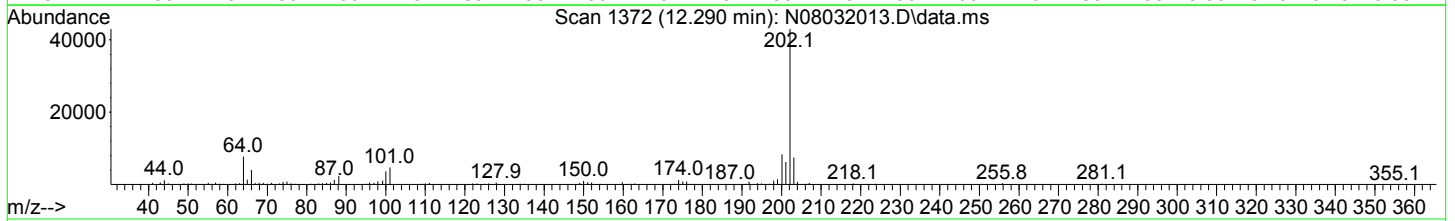
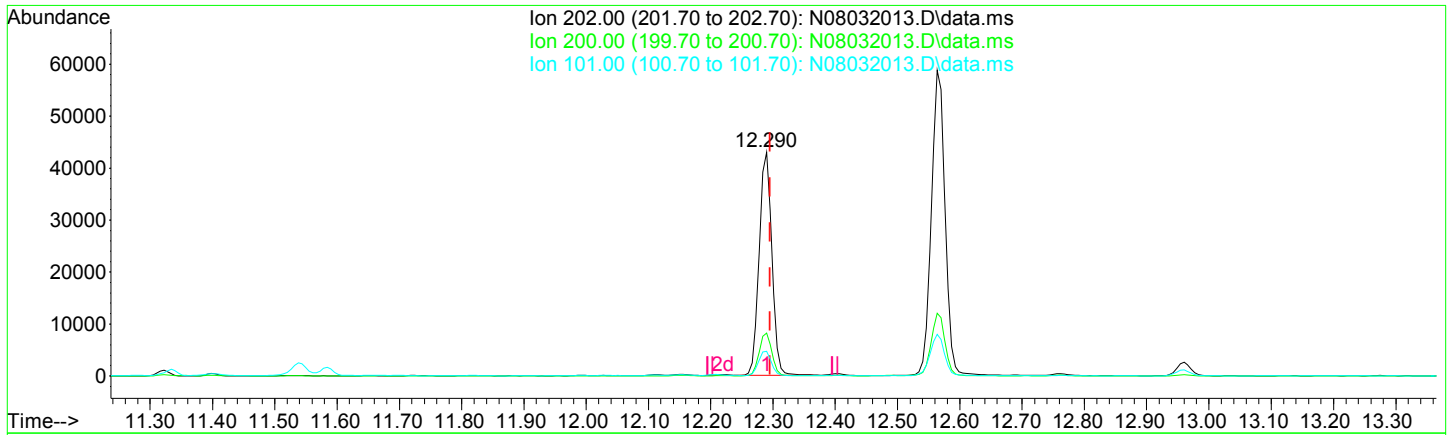
response 32087

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00  | 19.68  |
| 179.00 | 15.10  | 16.43  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032013.D\data.ms

(22) Fluoranthene (T)

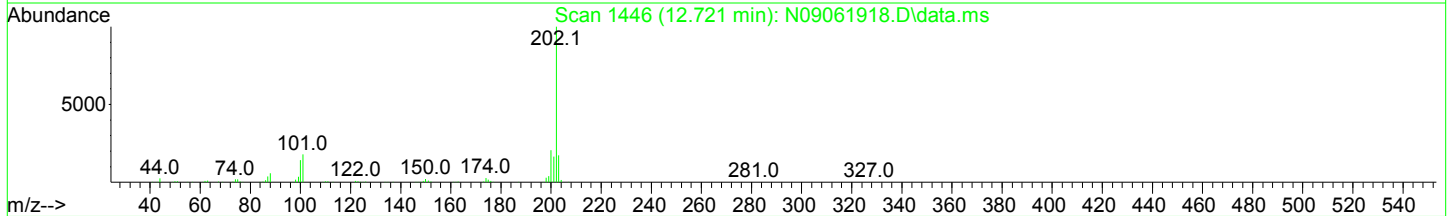
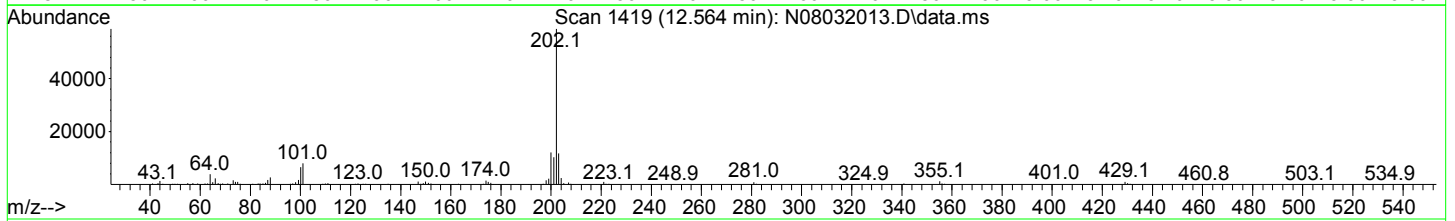
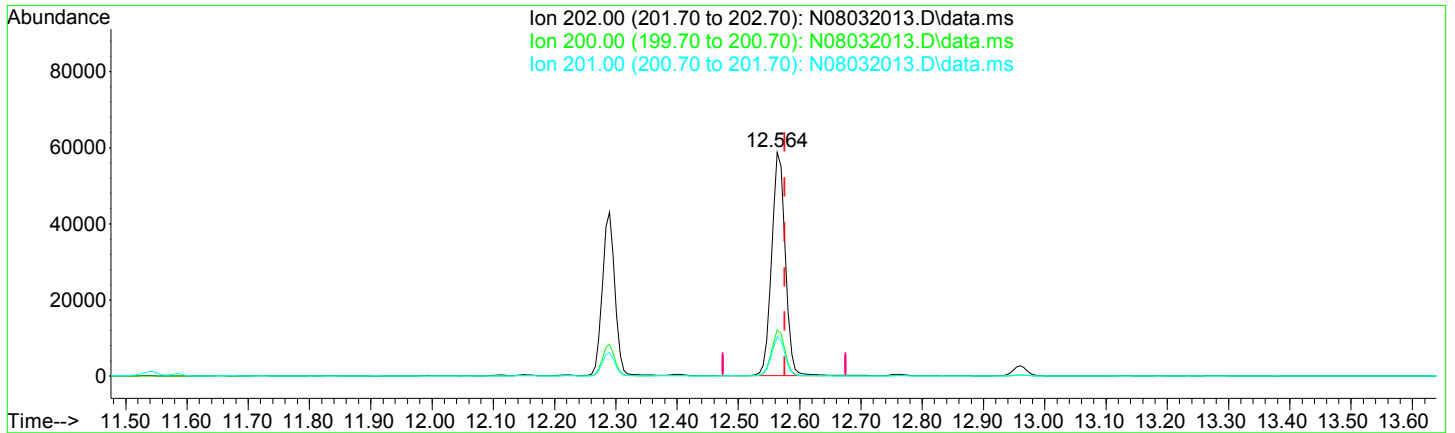
12.290min (-0.006) 22.25 ng/ml

| response | 60908         |
|----------|---------------|
| Ion      | Exp% Act%     |
| 202.00   | 100.00 100.00 |
| 200.00   | 19.70 19.32   |
| 101.00   | 15.30 11.00   |
| 0.00     | 0.00 0.00     |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032013.D  
 Acq On : 03 Aug 2020 06:48 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-DUP1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 08:36:34 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032013.D\data.ms

(24) Pyrene (T)

12.564min (-0.012) 34.28 ng/ml

response 90340

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70  | 20.59  |
| 201.00 | 16.80  | 17.44  |
| 0.00   | 0.00   | 0.00   |

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards             |        |      |          |        |        |          |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 264663   | 100.00 | ng/ml  | 0.00     |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 166224   | 100.00 | ng/ml  | 0.00     |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 287872   | 100.00 | ng/ml  | 0.00     |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 267225   | 100.00 | ng/ml  | -0.01    |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 255195   | 100.00 | ng/ml  | -0.02    |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 218602   | 100.00 | ng/ml  | -0.02    |
| System Monitoring Compounds    |        |      |          |        |        |          |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 58956    | 71.31  | ng/ml  | 0.00     |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 197295   | 76.67  | ng/ml  | 0.00     |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 238089   | 92.21  | ng/ml  | -0.01    |
| Target Compounds               |        |      |          |        |        |          |
|                                |        |      |          |        |        | Qvalue   |
| 3) Decalin                     | 7.230  | 138  | 116      | 0.55   | ng/ml# | 1        |
| 4) Naphthalene                 | 7.784  | 128  | 3617     | 1.25   | ng/ml  | 88       |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 2112     | 1.09   | ng/ml  | 99       |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 1439     | 0.75   | ng/ml# | 71       |
| 7) 1,1'-Biphenyl               | 8.921  | 154  | 4527     | 1.86   | ng/ml  | 59       |
| 8) 2,6-Dimethylnaphthalene     | 9.095  | 156  | 1539     | 0.92   | ng/ml  | 95       |
| 11) Acenaphthylene             | 9.369  | 152  | 1836     | 0.59   | ng/ml  | 82       |
| 12) Acenaphthene               | 9.544  | 153  | 25201    | 11.08  | ng/ml  | 97       |
| 13) Dibenzofuran               | 9.719  | 168  | 450      | N.D.   |        |          |
| 14) 1,6,7-Trimethylnaphtha...  | 9.941  | 170  | 2655     | 1.49   | ng/ml# | 58       |
| 15) Fluorene                   | 10.069 | 166  | 11103    | 5.08   | ng/ml  | 99       |
| 17) Dibenzothiopene            | 10.914 | 184  | 16628    | 5.72   | ng/ml  | 96       |
| 18) Phenanthrene               | 11.042 | 178  | 23562    | 7.11   | ng/ml  | 98       |
| 19) Anthracene                 | 11.095 | 178  | 3882     | 1.43   | ng/ml  | 92       |
| 20) Carbazole                  | 11.264 | 167  | 644      | N.D.   |        |          |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 10008    | 4.48   | ng/ml  | 99       |
| 22) Fluoranthene               | 12.290 | 202  | 84806    | 25.97  | ng/ml  | 95       |
| 24) Pyrene                     | 12.564 | 202  | 124877   | 36.03  | ng/ml  | 99       |
| 26) Benz(a)anthracene          | 14.674 | 228  | 1310     | 0.47   | ng/ml  | 84       |
| 27) Chrysene                   | 14.708 | 228  | 1255     | 0.44   | ng/ml  | 89       |
| 29) Benzo(b)fluoranthene       | 17.232 | 252  | 323      | N.D.   |        |          |
| 30) Benzo(k)fluoranthene       | 17.232 | 252  | 499      | N.D.   |        |          |
| 31) Benzo(b+k)fluoranthene     | 17.232 | 252  | 507      | N.D.   |        |          |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 320      | N.D.   |        |          |

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

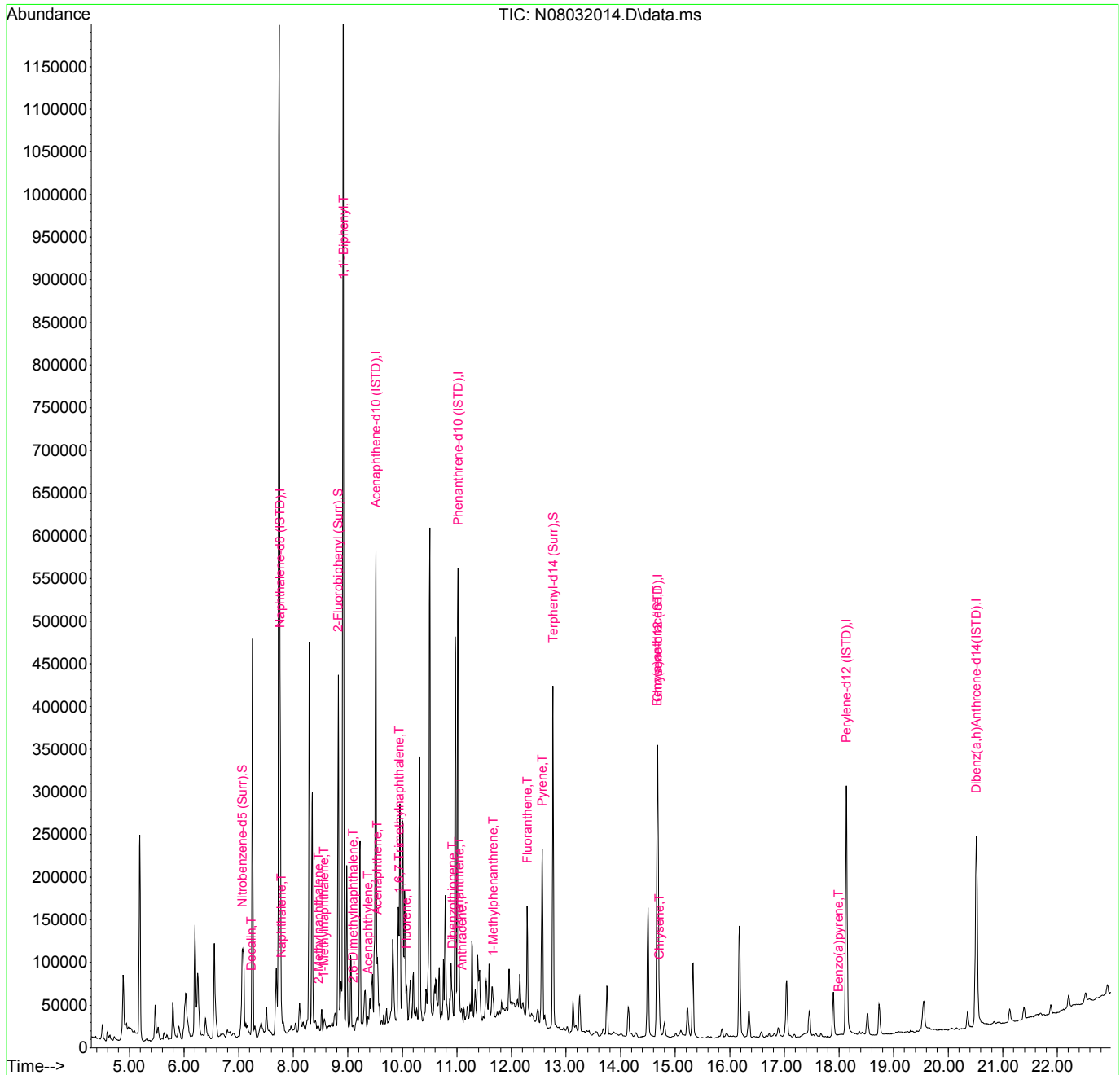
| Compound                   | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|--------|------|----------|------|--------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 203      | 0.41 | ng/ml# | 6        |
| 34) Perylene               | 18.194 | 252  | 810      | N.D. |        |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 315      | N.D. |        |          |
| 37) Dibenz(a,h)anthracene  | 20.578 | 278  | 50       | N.D. |        |          |
| 38) Benzo(g,h,i)perylene   | 21.067 | 276  | 266      | N.D. |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) Naphthalene-d8 (ISTD)      | 7.761  | 136  | 264663   | 100.00 | ng/ml  | 0.00     |
| 9) Acenaphthene-d10 (ISTD)    | 9.515  | 162  | 166224   | 100.00 | ng/ml  | 0.00     |
| 16) Phenanthrene-d10 (ISTD)   | 11.019 | 188  | 287872   | 100.00 | ng/ml  | 0.00     |
| 23) Chrysene-d12 (ISTD)       | 14.679 | 240  | 267225   | 100.00 | ng/ml  | -0.01    |
| 28) Perylene-d12 (ISTD)       | 18.136 | 264  | 255195   | 100.00 | ng/ml  | -0.02    |
| 35) Dibenz(a,h)Anthrcene-d... | 20.520 | 292  | 218602   | 100.00 | ng/ml  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 2) Nitrobenzene-d5 (Surr)     | 7.067  | 82   | 58956    | 71.31  | ng/ml  | 0.00     |
| 10) 2-Fluorobiphenyl (Surr)   | 8.827  | 172  | 197295   | 76.67  | ng/ml  | 0.00     |
| 25) Terphenyl-d14 (Surr)      | 12.762 | 244  | 238089   | 92.21  | ng/ml  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 3) Decalin                    | 7.230  | 138  | 116      | 0.55   | ng/ml# | 1        |
| 4) Naphthalene                | 7.784  | 128  | 3617     | 1.25   | ng/ml  | 88       |
| 5) 2-Methylnaphthalene        | 8.466  | 142  | 2112     | 1.09   | ng/ml  | 99       |
| 6) 1-Methylnaphthalene        | 8.565  | 142  | 1439     | 0.75   | ng/ml# | 71       |
| 7) 1,1'-Biphenyl              | 8.921  | 154  | 4527     | 1.86   | ng/ml  | 59       |
| 8) 2,6-Dimethylnaphthalene    | 9.095  | 156  | 1539     | 0.92   | ng/ml  | 95       |
| 11) Acenaphthylene            | 9.369  | 152  | 1836     | 0.59   | ng/ml  | 82       |
| 12) Acenaphthene              | 9.544  | 153  | 25201    | 11.08  | ng/ml  | 97       |
| 13) Dibenzofuran              | 9.719  | 168  | 450      | N.D.   |        |          |
| 14) 1,6,7-Trimethylnaphtha... | 9.941  | 170  | 2655     | 1.49   | ng/ml# | 58       |
| 15) Fluorene                  | 10.069 | 166  | 11103    | 5.08   | ng/ml  | 99       |
| 17) Dibenzothiopene           | 10.914 | 184  | 16628    | 5.72   | ng/ml  | 96       |
| 18) Phenanthrene              | 11.042 | 178  | 23562    | 7.11   | ng/ml  | 98       |
| 19) Anthracene                | 11.095 | 178  | 3882     | 1.43   | ng/ml  | 92       |
| 20) Carbazole                 | 11.264 | 167  | 644      | N.D.   |        |          |
| 21) 1-Methylphenanthrene      | 11.666 | 192  | 10008    | 4.48   | ng/ml  | 99       |
| 22) Fluoranthene              | 12.290 | 202  | 84806    | 25.97  | ng/ml  | 95       |
| 24) Pyrene                    | 12.564 | 202  | 124877   | 36.03  | ng/ml  | 99       |
| 26) Benz(a)anthracene         | 14.674 | 228  | 1310     | 0.47   | ng/ml  | 84       |
| 27) Chrysene                  | 14.708 | 228  | 1255     | 0.44   | ng/ml  | 89       |
| 29) Benzo(b)fluoranthene      | 17.232 | 252  | 323      | N.D.   |        |          |
| 30) Benzo(k)fluoranthene      | 17.232 | 252  | 499      | N.D.   |        |          |
| 31) Benzo(b+k)fluoranthene    | 17.232 | 252  | 507      | N.D.   |        |          |
| 32) Benzo(e)pyrene            | 17.879 | 252  | 320      | N.D.   |        |          |



Quantitation Report      (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

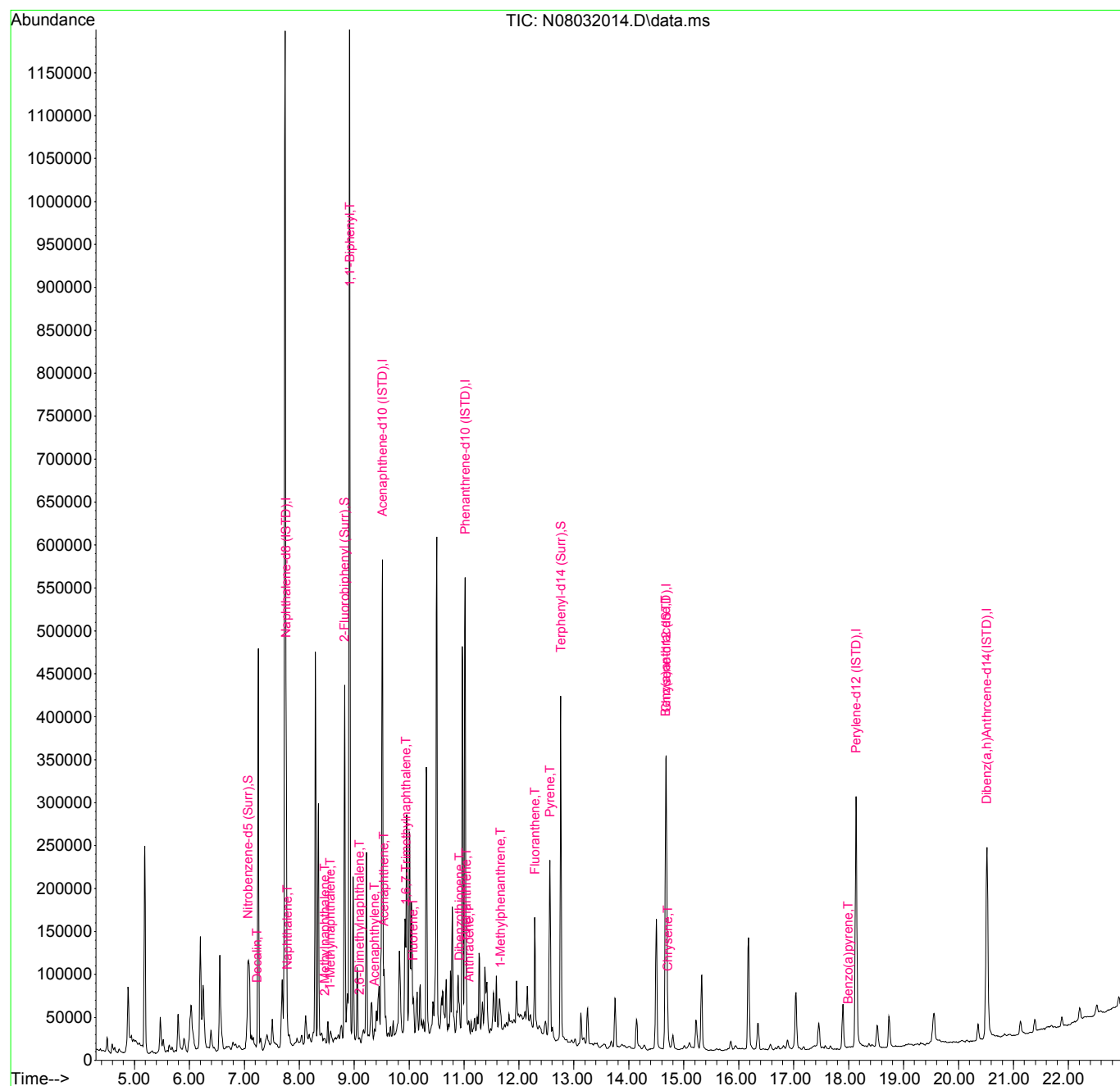
| Compound                   | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|--------|------|----------|------|--------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 203      | 0.41 | ng/ml# | 6        |
| 34) Perylene               | 18.194 | 252  | 810      | N.D. |        |          |
| 36) Indeno(1,2,3-cd)Pyrene | 20.531 | 276  | 315      | N.D. |        |          |
| 37) Dibenz(a,h)anthracene  | 20.578 | 278  | 50       | N.D. |        |          |
| 38) Benzo(g,h,i)perylene   | 21.067 | 276  | 266      | N.D. |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

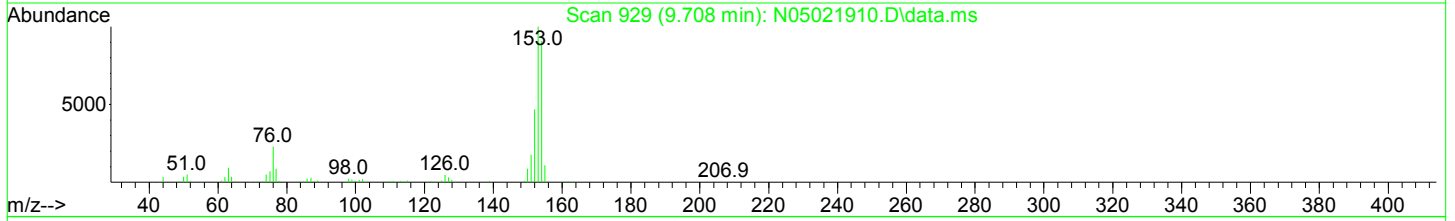
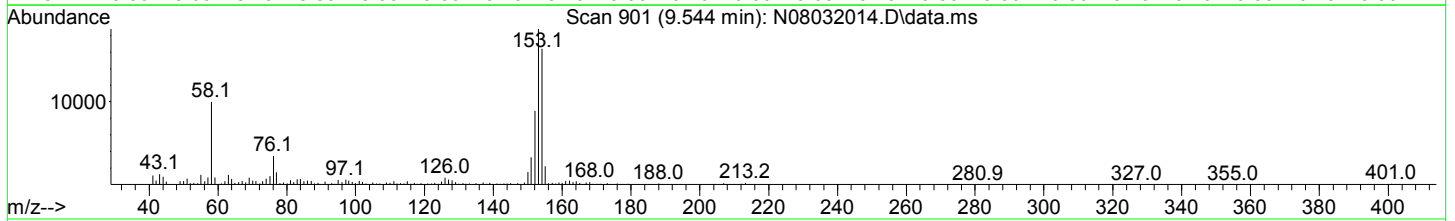
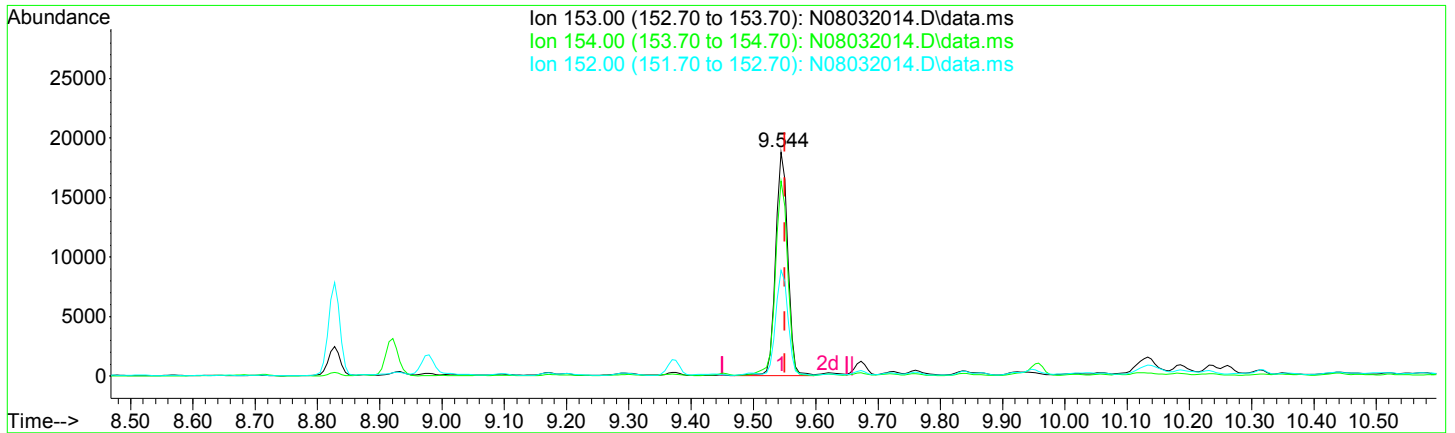
Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032014.D\data.ms

(12) Acenaphthene (T)

9.544min (-0.006) 11.08 ng/ml

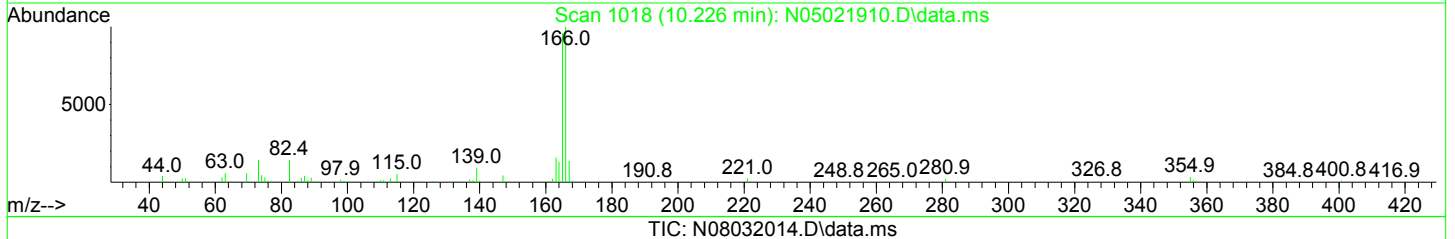
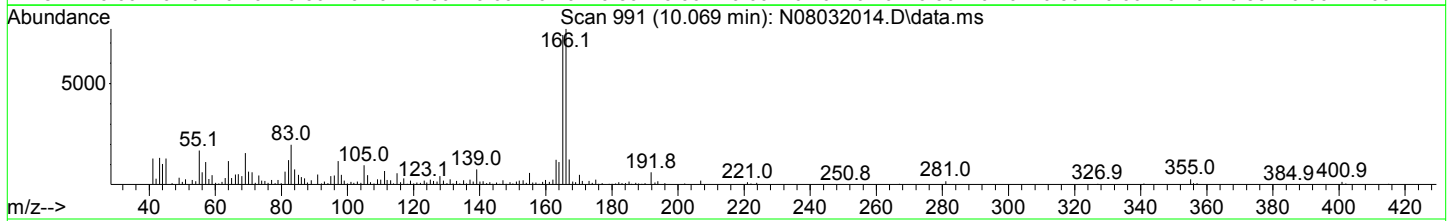
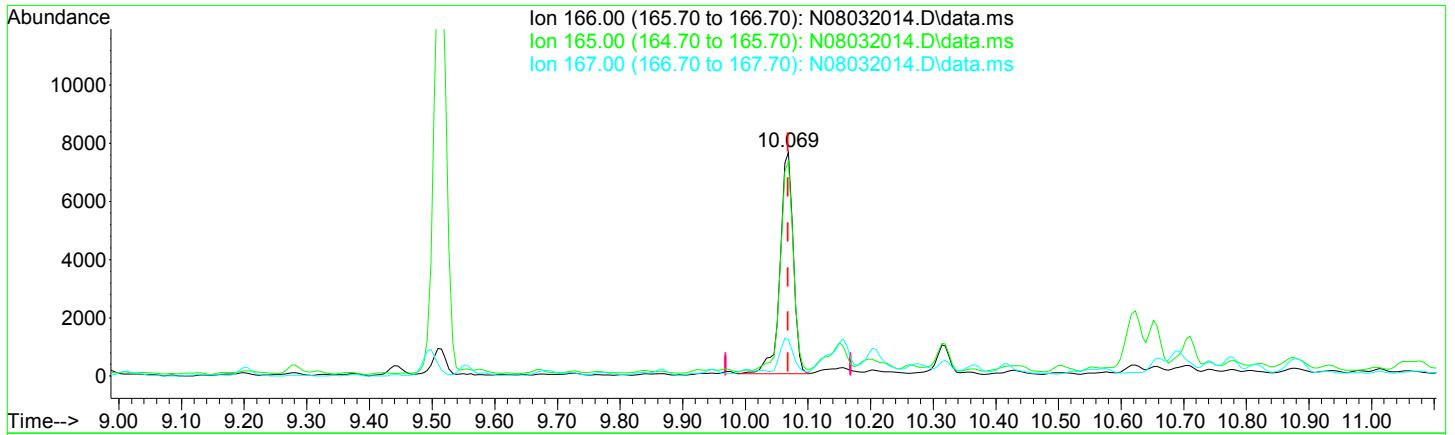
response 25201

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70  | 87.11  |
| 152.00 | 46.80  | 47.34  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032014.D\data.ms

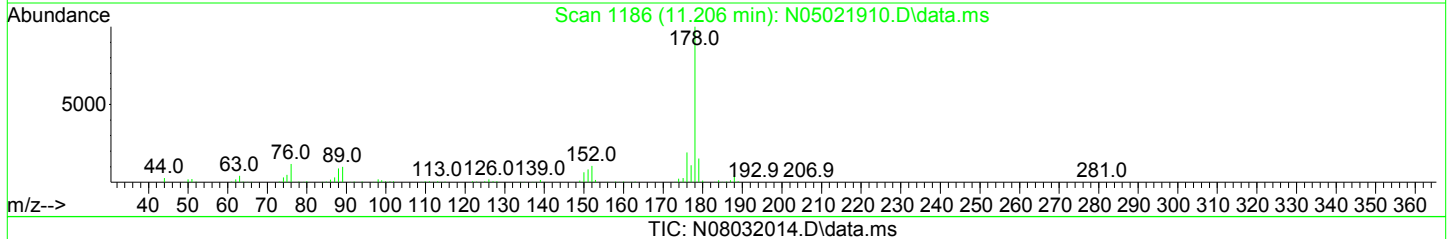
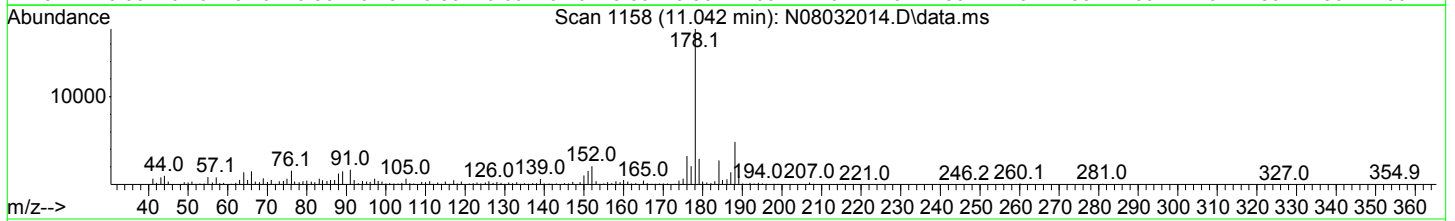
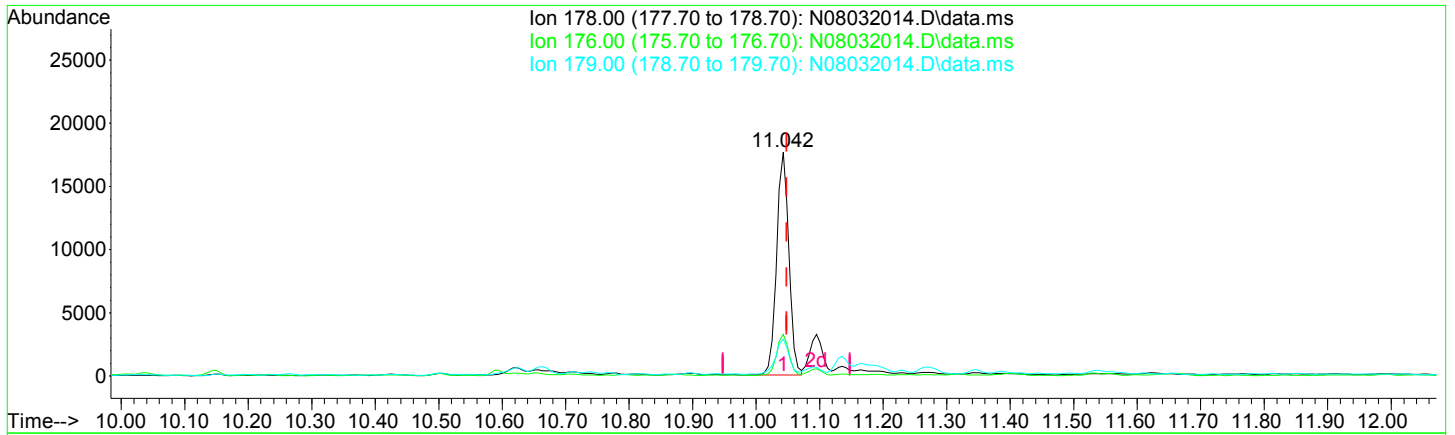
(15) Fluorene (T)  
 10.069min (+ 0.000) 5.08 ng/ml  
 response 11103

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70  | 96.10  |
| 167.00 | 13.60  | 16.31  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032014.D\data.ms

(18) Phenanthrene (T)

11.042min (-0.006) 7.11 ng/ml

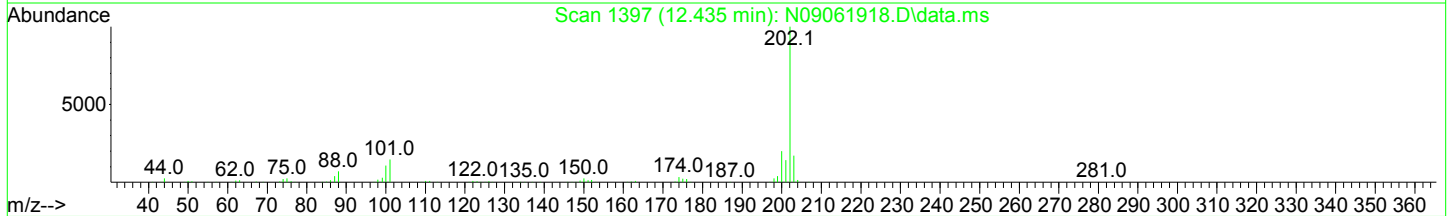
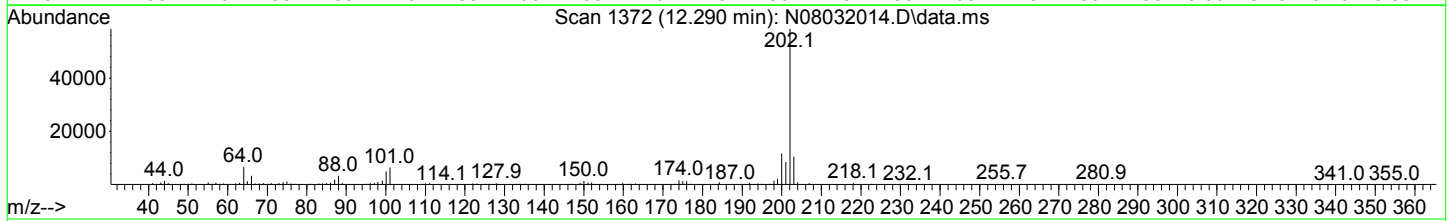
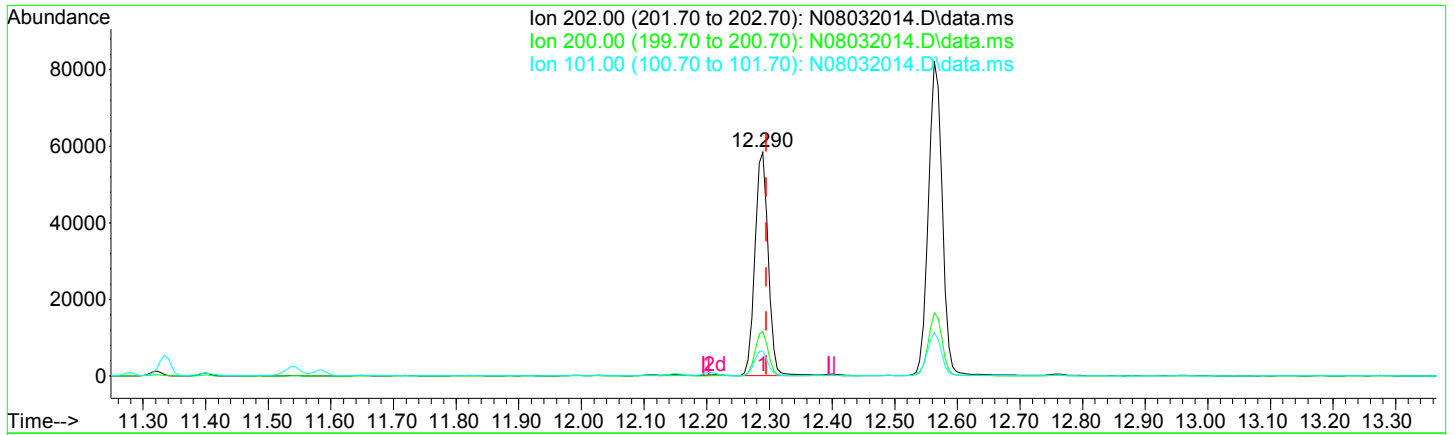
response 23562

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00  | 18.52  |
| 179.00 | 15.10  | 16.59  |
| 0.00   | 0.00   | 0.00   |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032014.D\data.ms

(22) Fluoranthene (T)

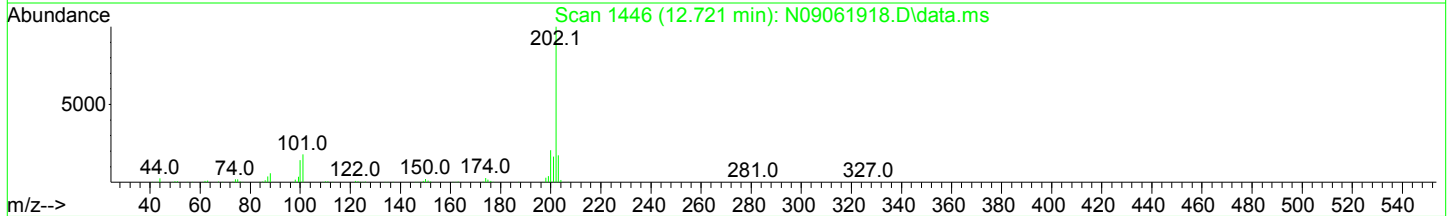
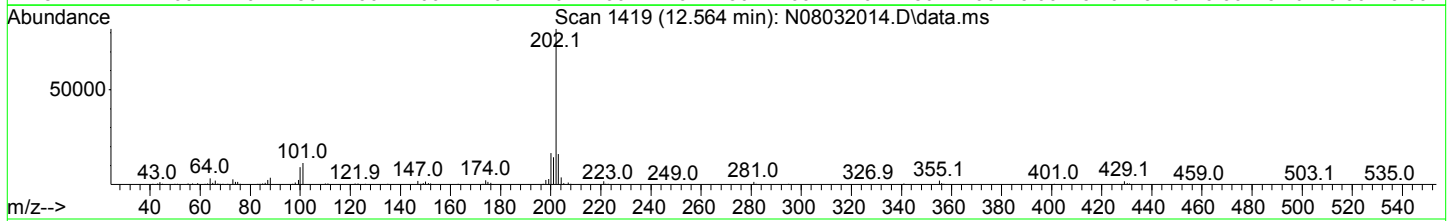
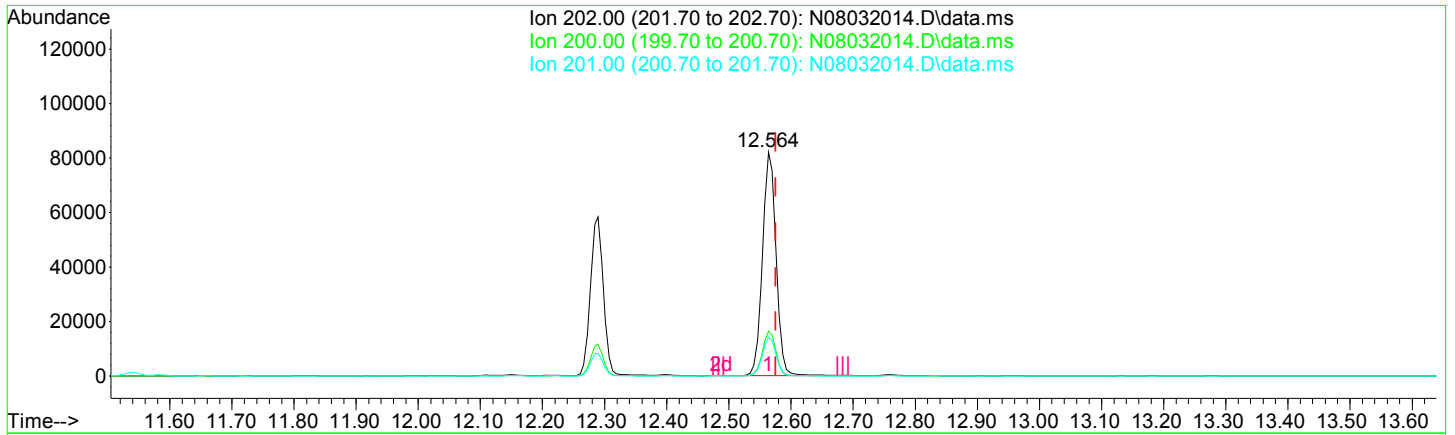
12.290min (-0.006) 25.97 ng/ml

| response | 84806         |
|----------|---------------|
| Ion      | Exp% Act%     |
| 202.00   | 100.00 100.00 |
| 200.00   | 19.70 19.91   |
| 101.00   | 15.30 11.00   |
| 0.00     | 0.00 0.00     |

Quantitation Report (Qedit)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032014.D  
 Acq On : 03 Aug 2020 07:20 pm  
 Operator : JK/ AMS/ DTH  
 Sample : A0E0670-27  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 08:38:42 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



TIC: N08032014.D\data.ms

(24) Pyrene (T)

12.564min (-0.012) 36.03 ng/ml

response 124877

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70  | 20.10  |
| 201.00 | 16.80  | 17.42  |
| 0.00   | 0.00   | 0.00   |

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                          |        |      |          |        |       |          |        |
| Internal Standards             |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 253126   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 162041   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 283654   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 257635   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 243362   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 209257   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 57220    | 72.36  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 192805   | 76.85  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 225789   | 90.70  | ng/ml | -0.01    |        |
| Target Compounds               |        |      |          |        |       |          |        |
|                                |        |      |          |        |       |          | Qvalue |
| 3) Decalin                     | 7.230  | 138  | 6094     | 30.11  | ng/ml |          | 97     |
| 4) Naphthalene                 | 7.778  | 128  | 106699   | 38.70  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 72846    | 39.35  | ng/ml |          | 96     |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 72022    | 39.18  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl               | 8.927  | 154  | 89497    | 38.36  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene     | 9.090  | 156  | 65844    | 41.14  | ng/ml |          | 96     |
| 11) Acenaphthylene             | 9.370  | 152  | 110587   | 36.60  | ng/ml |          | 99     |
| 12) Acenaphthene               | 9.544  | 153  | 103291   | 46.60  | ng/ml |          | 99     |
| 13) Dibenzofuran               | 9.719  | 168  | 90372    | 33.69  | ng/ml |          | 94     |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 67995    | 39.15  | ng/ml |          | 99     |
| 15) Fluorene                   | 10.069 | 166  | 88079    | 41.33  | ng/ml |          | 99     |
| 17) Dibenzothiopene            | 10.914 | 184  | 115141   | 40.17  | ng/ml |          | 93     |
| 18) Phenanthrene               | 11.042 | 178  | 129675   | 39.72  | ng/ml |          | 99     |
| 19) Anthracene                 | 11.095 | 178  | 101534   | 37.97  | ng/ml |          | 98     |
| 20) Carbazole                  | 11.264 | 167  | 75560    | 32.73  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 91946    | 41.76  | ng/ml |          | 98     |
| 22) Fluoranthene               | 12.290 | 202  | 202927   | 63.06  | ng/ml |          | 95     |
| 24) Pyrene                     | 12.564 | 202  | 244745   | 73.24  | ng/ml |          | 99     |
| 26) Benz(a)anthracene          | 14.656 | 228  | 96836    | 36.24  | ng/ml |          | 99     |
| 27) Chrysene                   | 14.732 | 228  | 96249    | 35.03  | ng/ml |          | 98     |
| 29) Benzo(b)fluoranthene       | 17.227 | 252  | 93158    | 37.03  | ng/ml |          | 91     |
| 30) Benzo(k)fluoranthene       | 17.291 | 252  | 93011    | 37.09  | ng/ml |          | 92     |
| 31) Benzo(b+k)fluoranthene     | 17.291 | 252  | 194992   | 73.71  | ng/ml |          | 92     |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 90890    | 34.55  | ng/ml |          | 97     |



Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

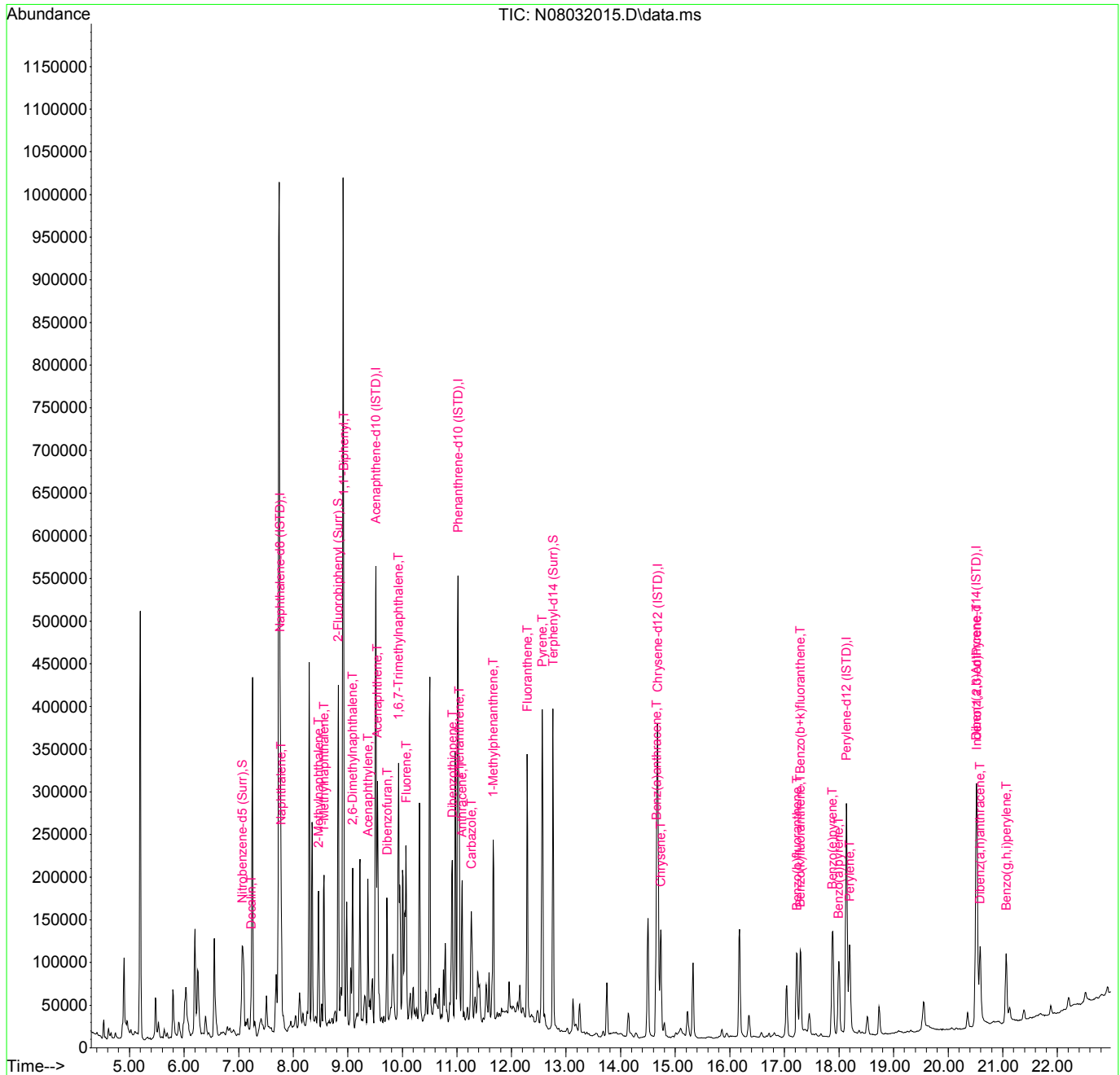
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 79212    | 39.61 | ng/ml | 95       |
| 34) Perylene               | 18.194 | 252  | 96615    | 35.67 | ng/ml | 99       |
| 36) Indeno(1,2,3-cd)Pyrene | 20.526 | 276  | 80763    | 35.53 | ng/ml | 76       |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 81921    | 35.74 | ng/ml | 81       |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 83425    | 34.21 | ng/ml | 78       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| -----                          |        |      |          |        |       |          |        |
| Internal Standards             |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)       | 7.761  | 136  | 253126   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)     | 9.515  | 162  | 162041   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)    | 11.019 | 188  | 283654   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)        | 14.679 | 240  | 257635   | 100.00 | ng/ml | -0.01    |        |
| 28) Perylene-d12 (ISTD)        | 18.136 | 264  | 243362   | 100.00 | ng/ml | -0.02    |        |
| 35) Dibenz(a,h)Anthracene-d... | 20.520 | 292  | 209257   | 100.00 | ng/ml | -0.02    |        |
| System Monitoring Compounds    |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)      | 7.067  | 82   | 57220    | 72.36  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)    | 8.827  | 172  | 192805   | 76.85  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)       | 12.762 | 244  | 225789   | 90.70  | ng/ml | -0.01    |        |
| Target Compounds               |        |      |          |        |       |          |        |
|                                |        |      |          |        |       |          | Qvalue |
| 3) Decalin                     | 7.230  | 138  | 6094     | 30.11  | ng/ml |          | 97     |
| 4) Naphthalene                 | 7.778  | 128  | 106699   | 38.70  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene         | 8.466  | 142  | 72846    | 39.35  | ng/ml |          | 96     |
| 6) 1-Methylnaphthalene         | 8.565  | 142  | 72022    | 39.18  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl               | 8.927  | 154  | 89497    | 38.36  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene     | 9.090  | 156  | 65844    | 41.14  | ng/ml |          | 96     |
| 11) Acenaphthylene             | 9.370  | 152  | 110587   | 36.60  | ng/ml |          | 99     |
| 12) Acenaphthene               | 9.544  | 153  | 103291   | 46.60  | ng/ml |          | 99     |
| 13) Dibenzofuran               | 9.719  | 168  | 90372    | 33.69  | ng/ml |          | 94     |
| 14) 1,6,7-Trimethylnaphtha...  | 9.929  | 170  | 67995    | 39.15  | ng/ml |          | 99     |
| 15) Fluorene                   | 10.069 | 166  | 88079    | 41.33  | ng/ml |          | 99     |
| 17) Dibenzothiopene            | 10.914 | 184  | 115141   | 40.17  | ng/ml |          | 93     |
| 18) Phenanthrene               | 11.042 | 178  | 129675   | 39.72  | ng/ml |          | 99     |
| 19) Anthracene                 | 11.095 | 178  | 101534   | 37.97  | ng/ml |          | 98     |
| 20) Carbazole                  | 11.264 | 167  | 75560    | 32.73  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene       | 11.666 | 192  | 91946    | 41.76  | ng/ml |          | 98     |
| 22) Fluoranthene               | 12.290 | 202  | 202927   | 63.06  | ng/ml |          | 95     |
| 24) Pyrene                     | 12.564 | 202  | 244745   | 73.24  | ng/ml |          | 99     |
| 26) Benz(a)anthracene          | 14.656 | 228  | 96836    | 36.24  | ng/ml |          | 99     |
| 27) Chrysene                   | 14.732 | 228  | 96249    | 35.03  | ng/ml |          | 98     |
| 29) Benzo(b)fluoranthene       | 17.227 | 252  | 93158    | 37.03  | ng/ml |          | 91     |
| 30) Benzo(k)fluoranthene       | 17.291 | 252  | 93011    | 37.09  | ng/ml |          | 92     |
| 31) Benzo(b+k)fluoranthene     | 17.291 | 252  | 194992   | 73.71  | ng/ml |          | 92     |
| 32) Benzo(e)pyrene             | 17.879 | 252  | 90890    | 34.55  | ng/ml |          | 97     |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration

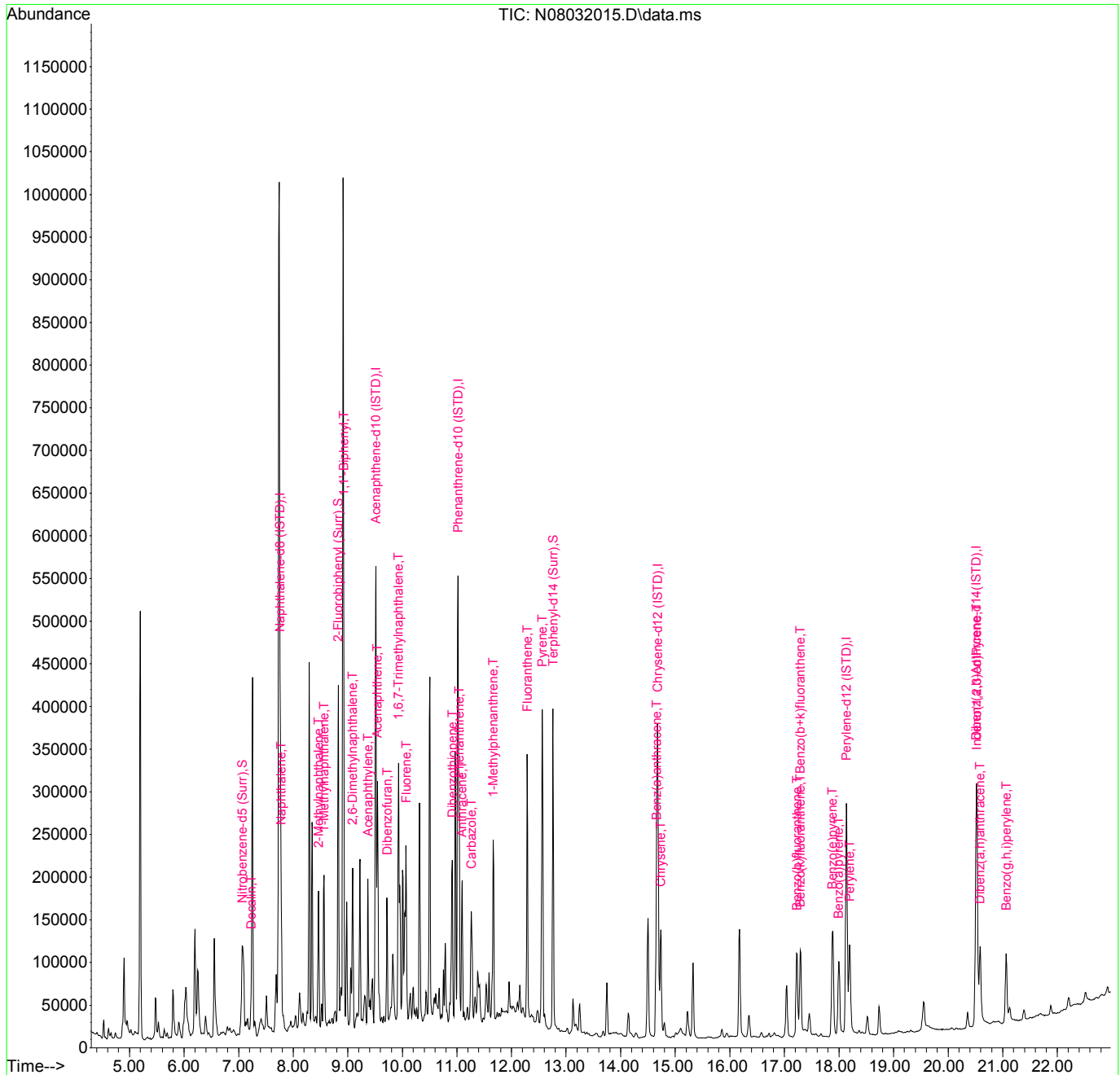
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 33) Benzo(a)pyrene         | 17.996 | 252  | 79212    | 39.61 | ng/ml | 95       |
| 34) Perylene               | 18.194 | 252  | 96615    | 35.67 | ng/ml | 99       |
| 36) Indeno(1,2,3-cd)Pyrene | 20.526 | 276  | 80763    | 35.53 | ng/ml | 76       |
| 37) Dibenz(a,h)anthracene  | 20.584 | 278  | 81921    | 35.74 | ng/ml | 81       |
| 38) Benzo(g,h,i)perylene   | 21.062 | 276  | 83425    | 34.21 | ng/ml | 78       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-08\0H03063\  
 Data File : N08032015.D  
 Acq On : 03 Aug 2020 07:53 pm  
 Operator : JK/ AMS/ DTH  
 Sample : 0080029-MS1  
 Misc : 1x, 8270D LL PAH ONLY  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 08:40:09 2020  
 Quant Method : U:\methods\SV14\_040720\_PAHR6.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Tue Jun 09 09:45:26 2020  
 Response via : Initial Calibration



**Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)  
Calibration Data**

Sequence 0D07056 (Cal ID A0D0804) SV-GCMS14



# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D07056  
Date: 04/07/20 16:31

Instrument: SV-GCMS14  
Calibration: A0D0804

| #  | Lab Number   | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID  |
|----|--------------|--------|----------|--------|-----|-------|---------|---------|
| 1  | 0D07056-TUN1 | Soil   | QC       | QC     |     |       | A20C067 | A20C407 |
| 2  | 0D07056-ICB1 | Soil   | QC       | QC     |     |       | A20C067 |         |
| 3  | 0D07056-CAL1 | Soil   | QC       | QC     |     |       | A20C067 | A20C467 |
| 4  | 0D07056-CAL2 | Soil   | QC       | QC     |     |       | A20C067 | A20C468 |
| 5  | 0D07056-CAL3 | Soil   | QC       | QC     |     |       | A20C067 | A20C469 |
| 6  | 0D07056-CAL4 | Soil   | QC       | QC     |     |       | A20C067 | A20C470 |
| 7  | 0D07056-CAL5 | Soil   | QC       | QC     |     |       | A20C067 | A20C471 |
| 8  | 0D07056-CAL6 | Soil   | QC       | QC     |     |       | A20C067 | A20C472 |
| 9  | 0D07056-CAL7 | Soil   | QC       | QC     |     |       | A20C067 | A20C473 |
| 10 | 0D07056-CAL8 | Soil   | QC       | QC     |     |       | A20C067 | A20C474 |
| 11 | 0D07056-CAL9 | Soil   | QC       | QC     |     |       | A20C067 | A20C475 |
| 12 | 0D07056-CALA | Soil   | QC       | QC     |     |       | A20C067 | A20C476 |
| 13 | 0D07056-IBL1 | Soil   | QC       | QC     |     |       | A20C067 |         |
| 14 | 0D07056-ICV1 | Soil   | QC       | QC     |     |       | A20C067 | A20C479 |
| 15 | 0D07056-IBL2 | Soil   | QC       | QC     |     |       | A20C067 |         |

Data Entered By:

*AMS 4/8/20*

Comments:

Data Reviewed By:

*MJ 4/9/20*

Calibration Status Report SV-GCMS14

Method Path : N:\methods\  
 Method File : SV14\_040720\_PAH.M  
 Title : EPA 8270D: Semivolatile Organics  
 Last Update : Wed Apr 08 10:01:43 2020  
 Response Via : Initial Calibration

*QA 4/8/20*

| #  | ID   | Conc | ISTD<br>Conc | Path\File                           |
|----|------|------|--------------|-------------------------------------|
| 1  | 1.0  | 1    | 100          | N:\data\2020-04\0D07056\N04072013.D |
| 2  | 2.0  | 2    | 100          | N:\data\2020-04\0D07056\N04072014.D |
| 3  | 5.0  | 5    | 100          | N:\data\2020-04\0D07056\N04072015.D |
| 4  | 10.0 | 10   | 100          | N:\data\2020-04\0D07056\N04072016.D |
| 5  | 20   | 20   | 100          | N:\data\2020-04\0D07056\N04072017.D |
| 6  | 50.0 | 50   | 100          | N:\data\2020-04\0D07056\N04072018.D |
| 7  | 100  | 100  | 100          | N:\data\2020-04\0D07056\N04072019.D |
| 8  | 200  | 200  | 100          | N:\data\2020-04\0D07056\N04072020.D |
| 9  | 400  | 400  | 100          | N:\data\2020-04\0D07056\N04072021.D |
| 10 | 600  | 600  | 100          | N:\data\2020-04\0D07056\N04072022.D |

| #  | ID   | Update Time       | Quant Time        | Acquisition Time  |
|----|------|-------------------|-------------------|-------------------|
| 1  | 1.0  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 17:38 |
| 2  | 2.0  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 18:10 |
| 3  | 5.0  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 18:42 |
| 4  | 10.0 | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 19:28 |
| 5  | 20   | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 20:00 |
| 6  | 50.0 | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 20:32 |
| 7  | 100  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 21:04 |
| 8  | 200  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 21:36 |
| 9  | 400  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 22:08 |
| 10 | 600  | Apr 08 10:01 2020 | Apr 08 09:41 2020 | 07 Apr 2020 22:40 |

SV14\_040720\_PAH.M Wed Apr 08 10:26:23 2020



Method Path : N:\methods\  
 Method File : SV14\_040720\_PAH.M  
 Title : EPA 8270D: Semivolatile Organics  
 Last Update : Wed Apr 08 10:01:43 2020  
 Response Via : Initial Calibration

*9/8/20*

## Calibration Files

1.0 =N04072013.D 2.0 =N04072014.D 5.0 =N04072015.D 10.0=N04072016.D 20 =N04072017.D 50.0=N04072018.D 100 =N04072019.D  
 200 =N04072020.D 400 =N04072021.D 600 =N04072022.D

| Compound                     | 1.0            | 2.0   | 5.0   | 10.0  | 20    | 50.0  | 100   | 200   | 400   | 600   | Avg   | %RSD    |              |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------------|
| 1) I Naphthalene-d8 (ISTD)   | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>4.55</i>  |
| 2) S Nitrobenzene-d...       | 0.346          | 0.316 | 0.325 | 0.292 | 0.305 | 0.302 | 0.298 | 0.308 | 0.315 | 0.318 | 0.312 | 4.94    |              |
| 3) T Decalin                 |                | 0.070 | 0.093 | 0.082 | 0.076 | 0.075 | 0.077 | 0.076 | 0.080 | 0.090 | 0.080 | 9.45    |              |
| 4) T Naphthalene             | 1.190          | 1.149 | 1.133 | 1.103 | 1.102 | 1.060 | 1.029 | 1.048 | 1.049 | 1.028 | 1.089 | 5.06 ✓  |              |
| 5) T 2-Methylnaphth...       | 0.683          | 0.700 | 0.714 | 0.704 | 0.734 | 0.737 | 0.723 | 0.766 | 0.787 | 0.767 | 0.731 | 4.60 ✓  |              |
| 6) T 1-Methylnaphth...       | 0.722          | 0.710 | 0.703 | 0.708 | 0.747 | 0.733 | 0.709 | 0.736 | 0.763 | 0.730 | 0.726 | 2.66 ✓  |              |
| 7) T 1,1'-Biphenyl           | 0.998          | 0.870 | 0.856 | 0.892 | 0.948 | 0.914 | 0.881 | 0.938 | 0.983 | 0.938 | 0.922 | 5.18    |              |
| 8) T 2,6-Dimethylna...       | 0.608          | 0.585 | 0.572 | 0.585 | 0.650 | 0.630 | 0.628 | 0.674 | 0.711 | 0.680 | 0.632 | 7.33    |              |
| 9) I Acenaphthene-d10 (...)  | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>4.91</i>  |
| 10) S 2-Fluorobiphen...      | 1.452          | 1.546 | 1.670 | 1.605 | 1.567 | 1.545 | 1.533 | 1.524 | 1.547 | 1.493 | 1.548 | 3.81 ✓  |              |
| 11) T Acenaphthylene         | 1.648          | 1.722 | 1.754 | 1.785 | 1.855 | 1.929 | 1.948 | 1.990 | 2.037 | 1.978 | 1.865 | 7.06 ✓  |              |
| 12) T Acenaphthene           | 1.393          | 1.401 | 1.423 | 1.399 | 1.383 | 1.372 | 1.352 | 1.336 | 1.332 | 1.287 | 1.368 | 3.00 ✓  |              |
| 13) T Dibenzofuran           | 1.583          | 1.612 | 1.655 | 1.699 | 1.716 | 1.650 | 1.658 | 1.658 | 1.695 | 1.630 | 1.656 | 2.46 ✓  |              |
| 14) T 1,6,7-Trimethy...      | 1.114          | 1.016 | 1.034 | 1.036 | 1.116 | 1.061 | 1.089 | 1.089 | 1.121 | 1.044 | 1.072 | 3.60 ✓  |              |
| 15) T Fluorene               | 1.408          | 1.267 | 1.261 | 1.296 | 1.346 | 1.288 | 1.300 | 1.325 | 1.367 | 1.293 | 1.315 | 3.54 ✓  |              |
| 16) I Phenanthrene-d10 (...) | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>8.64</i>  |
| 17) T Dibenzothiopene        | 1.081          | 0.993 | 0.995 | 1.009 | 1.031 | 1.025 | 0.977 | 1.015 | 1.005 | 0.975 | 1.011 | 3.07    |              |
| 18) T Phenanthrene           | 1.275          | 1.193 | 1.219 | 1.159 | 1.152 | 1.133 | 1.084 | 1.117 | 1.089 | 1.090 | 1.151 | 5.45 ✓  |              |
| 19) T Anthracene             | 0.967          | 0.848 | 0.879 | 0.907 | 0.973 | 0.952 | 0.969 | 0.998 | 1.017 | 0.916 | 0.943 | 5.69 ✓  |              |
| 20) T Carbazole              | 0.768          | 0.741 | 0.806 | 0.829 | 0.829 | 0.857 | 0.860 | 0.872 | 0.855 | 0.720 | 0.814 | 6.59 ✓  |              |
| 21) T 1-Methylphenan...      | 0.730          | 0.730 | 0.748 | 0.765 | 0.779 | 0.796 | 0.791 | 0.817 | 0.827 | 0.778 | 0.776 | 4.32    |              |
| 22) T Fluoranthene           | 1.028          | 1.052 | 1.086 | 1.117 | 1.098 | 1.145 | 1.158 | 1.224 | 1.258 | 1.178 | 1.134 | 6.43 ✓  |              |
| 23) I Chrysene-d12 (ISTD)    | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>12.22</i> |
| 24) T Pyrene                 | 1.297          | 1.267 | 1.186 | 1.290 | 1.434 | 1.240 | 1.245 | 1.323 | 1.337 | 1.353 | 1.297 | 5.36 ✓  |              |
| 25) S Terphenyl-d14 ...      | 0.994          | 0.919 | 0.942 | 0.984 | 1.020 | 0.966 | 0.940 | 0.971 | 0.968 | 0.959 | 0.966 | 3.02 ✓  |              |
| 26) T Benz(a)anthracene      | 1.227          | 1.103 | 0.979 | 0.977 | 0.964 | 0.992 | 0.976 | 1.027 | 1.066 | 1.060 | 1.037 | 7.88 ✓  |              |
| 27) T Chrysene               | 1.105          | 1.160 | 1.081 | 1.041 | 1.072 | 1.057 | 1.034 | 1.048 | 1.038 | 1.029 | 1.067 | 3.81 ✓  |              |
| 28) I Perylene-d12 (ISTD)    | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>16.44</i> |
| 29) T Benzo(b)fluora...      | 1.035          | 0.959 | 0.949 | 0.991 | 1.000 | 0.998 | 1.018 | 1.086 | 1.138 | 1.163 | 1.034 | 7.03 ✓  |              |
| 30) T Benzo(k)fluora...      | 0.978          | 0.906 | 0.911 | 1.002 | 1.018 | 1.033 | 1.089 | 1.121 | 1.139 | 1.109 | 1.031 | 8.10 ✓  |              |
| 31) T Benzo(b+k)fluo...      | 1.007          | 1.005 | 1.020 | 1.074 | 1.091 | 1.072 | 1.103 | 1.146 | 1.179 | 1.172 | 1.087 | 5.96 ✓  |              |
| 32) T Benzo(e)pyrene         | 0.955          | 1.069 | 1.006 | 1.054 | 1.096 | 1.047 | 1.075 | 1.136 | 1.176 | 1.196 | 1.081 | 6.84 ✓  |              |
| 33) T Benzo(a)pyrene         | 0.612          | 0.636 | 0.660 | 0.751 | 0.778 | 0.880 | 0.916 | 0.974 | 1.000 | 0.975 | 0.818 | 18.31 ✓ |              |
| 34) T Perylene               |                | 0.838 | 0.972 | 1.086 | 1.118 | 1.204 | 1.181 | 1.201 | 1.219 | 1.198 | 1.113 | 11.68 ✓ |              |
| 35) I Dibenz(a,h)Anthrce...  | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |         | <i>13.68</i> |
| 36) T Indeno(1,2,3-c...      | 1.028          | 1.006 | 1.030 | 1.054 | 1.084 | 1.071 | 1.071 | 1.124 | 1.168 | 1.228 | 1.086 | 6.33 ✓  |              |

Method Path : N:\methods\  
Method File : SV14\_040720\_PAH.M

Title : EPA 8270D: Semivolatile Organics

|       |                   |       |       |       |       |       |       |       |       |       |       |       |         |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 37) T | Dibenz(a,h)ant... | 1.031 | 0.977 | 1.093 | 1.047 | 1.084 | 1.094 | 1.097 | 1.128 | 1.200 | 1.202 | 1.095 | 6.40 ✓  |
| 38) T | Benzo(g,h,i)pe... | 0.965 | 0.968 | 1.052 | 1.081 | 1.166 | 1.189 | 1.224 | 1.272 | 1.334 | 1.402 | 1.165 | 12.77 ✓ |

-----  
(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : N:\methods\  
 Method File : SV14\_040720\_PAH.M  
 Title : EPA 8270D: Semivolatile Organics  
 Last Update : Wed Apr 08 10:01:43 2020  
 Response Via : Initial Calibration

*QA 4/8/20*

Total Cpnds : 38

| PK# | Compound Name                      | QIon | Exp_RT | Rel_RT | Cal | #Qual | A/H | ID |
|-----|------------------------------------|------|--------|--------|-----|-------|-----|----|
| 1   | I Naphthalene-d8 (ISTD)            | 136  | 7.906  | 1.000  | A   | 2     | A   | B  |
| 2   | S Nitrobenzene-d5 (Surr)           | 82   | 7.207  | 0.912  | A   | 1     | A   | R  |
| 3   | T Decalin                          | 138  | 7.381  | 0.934  | A   | 2     | A   | B  |
| 4   | T Naphthalene                      | 128  | 7.924  | 1.002  | A   | 2     | A   | R  |
| 5   | T 2-Methylnaphthalene              | 142  | 8.612  | 1.089  | A   | 2     | A   | R  |
| 6   | T 1-Methylnaphthalene              | 142  | 8.711  | 1.102  | A   | 2     | A   | R  |
| 7   | T 1,1'-Biphenyl                    | 154  | 9.078  | 1.148  | A   | 2     | A   | B  |
| 8   | T 2,6-Dimethylnaphthalene          | 156  | 9.235  | 1.168  | A   | 2     | A   | R  |
| 9   | I Acenaphthene-d10 (ISTD)          | 162  | 9.661  | 1.000  | A   | 2     | A   | R  |
| 10  | S 2-Fluorobiphenyl (Surr)          | 172  | 8.973  | 0.929  | A   | 2     | A   | R  |
| 11  | T Acenaphthylene                   | 152  | 9.515  | 0.985  | A   | 2     | A   | R  |
| 12  | T Acenaphthene                     | 153  | 9.696  | 1.004  | A   | 2     | A   | R  |
| 13  | T Dibenzofuran                     | 168  | 9.865  | 1.021  | A   | 2     | A   | R  |
| 14  | T 1,6,7-Trimethylnaphthalene       | 170  | 10.080 | 1.043  | A   | 2     | A   | R  |
| 15  | T Fluorene                         | 166  | 10.215 | 1.057  | A   | 2     | A   | R  |
| 16  | I Phenanthrene-d10 (ISTD)          | 188  | 11.165 | 1.000  | A   | 2     | A   | R  |
| 17  | T Dibenzothiopene                  | 184  | 11.066 | 0.991  | A   | 3     | A   | R  |
| 18  | T Phenanthrene                     | 178  | 11.188 | 1.002  | A   | 2     | A   | R  |
| 19  | T Anthracene                       | 178  | 11.240 | 1.007  | A   | 2     | A   | R  |
| 20  | T Carbazole                        | 167  | 11.398 | 1.021  | A   | 2     | A   | R  |
| 21  | T 1-Methylphenanthrene             | 192  | 11.817 | 1.058  | A   | 2     | A   | R  |
| 22  | T Fluoranthene                     | 202  | 12.459 | 1.116  | A   | 2     | A   | R  |
| 23  | I Chrysene-d12 (ISTD)              | 240  | 14.947 | 1.000  | A   | 2     | A   | R  |
| 24  | T Pyrene                           | 202  | 12.750 | 0.853  | A   | 2     | A   | R  |
| 25  | S Terphenyl-d14 (Surr)             | 244  | 12.960 | 0.867  | A   | 2     | A   | R  |
| 26  | T Benz(a)anthracene                | 228  | 14.924 | 0.998  | A   | 2     | A   | R  |
| 27  | T Chrysene                         | 228  | 15.006 | 1.004  | A   | 2     | A   | R  |
| 28  | I Perylene-d12 (ISTD)              | 264  | 18.410 | 1.000  | A   | 2     | A   | R  |
| 29  | T Benzo(b)fluoranthene             | 252  | 17.506 | 0.951  | A   | 2     | A   | R  |
| 30  | T Benzo(k)fluoranthene             | 252  | 17.570 | 0.954  | A   | 2     | A   | R  |
| 31  | T Benzo(b+k)fluoranthene           | 252  | 17.570 | 0.954  | A   | 2     | A   | R  |
| 32  | T Benzo(e)pyrene                   | 252  | 18.153 | 0.986  | A   | 2     | A   | R  |
| 33  | T Benzo(a)pyrene                   | 252  | 18.270 | 0.992  | Q 2 | 2     | A   | R  |
| 34  | T Perylene                         | 252  | 18.473 | 1.003  | A   | 2     | A   | R  |
| 35  | I Dibenz(a,h)Anthracene-d14 (ISTD) | 292  | 20.794 | 1.000  | A   | 2     | A   | R  |
| 36  | T Indeno(1,2,3-cd)Pyrene           | 276  | 20.794 | 1.000  | A   | 2     | A   | R  |
| 37  | T Dibenz(a,h)anthracene            | 278  | 20.857 | 1.003  | A   | 2     | A   | R  |
| 38  | T Benzo(g,h,i)perylene             | 276  | 21.324 | 1.026  | A   | 2     | A   | R  |

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

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

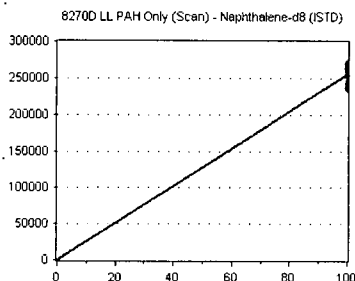
**04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

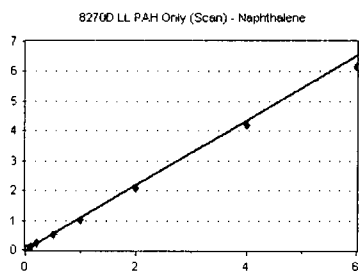


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 100           | 243074   | 2430.740        | 7.91 |
| 0D07056-CAL2 | 100           | 243705   | 2437.050        | 7.91 |
| 0D07056-CAL3 | 100           | 254846   | 2548.460        | 7.91 |
| 0D07056-CAL4 | 100           | 270985   | 2709.850        | 7.91 |
| 0D07056-CAL5 | 100           | 258751   | 2587.510        | 7.91 |
| 0D07056-CAL6 | 100           | 265079   | 2650.790        | 7.91 |
| 0D07056-CAL7 | 100           | 270936   | 2709.360        | 7.91 |
| 0D07056-CAL8 | 100           | 259002   | 2590.020        | 7.91 |
| 0D07056-CAL9 | 100           | 255231   | 2552.310        | 7.91 |
| 0D07056-CALA | 100           | 237171   | 2371.710        | 7.91 |

**AVE RF 2558.780      RF RSD 4.55      AVE RT 7.91**

### Naphthalene

Curve Fit: **AVERAGE RF**

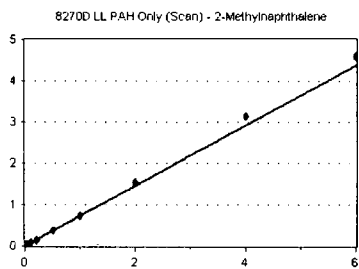


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1             | 2892     | 1.190           | 7.93 |
| 0D07056-CAL2 | 2             | 5600     | 1.149           | 7.92 |
| 0D07056-CAL3 | 5             | 14431    | 1.133           | 7.92 |
| 0D07056-CAL4 | 10            | 29903    | 1.103           | 7.92 |
| 0D07056-CAL5 | 20            | 57019    | 1.102           | 7.92 |
| 0D07056-CAL6 | 50            | 140541   | 1.060           | 7.92 |
| 0D07056-CAL7 | 100           | 278907   | 1.029           | 7.92 |
| 0D07056-CAL8 | 200           | 543013   | 1.048           | 7.92 |
| 0D07056-CAL9 | 400           | 1070767  | 1.049           | 7.92 |
| 0D07056-CALA | 600           | 1463412  | 1.028           | 7.92 |

**AVE RF 1.089      RF RSD 5.06      AVE RT 7.92**

### 2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

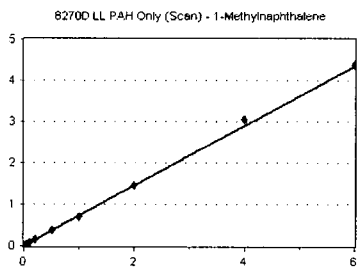


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1             | 1659     | 0.683           | 8.61 |
| 0D07056-CAL2 | 2             | 3410     | 0.700           | 8.61 |
| 0D07056-CAL3 | 5             | 9092     | 0.714           | 8.61 |
| 0D07056-CAL4 | 10            | 19067    | 0.704           | 8.61 |
| 0D07056-CAL5 | 20            | 37992    | 0.734           | 8.61 |
| 0D07056-CAL6 | 50            | 97673    | 0.737           | 8.61 |
| 0D07056-CAL7 | 100           | 195774   | 0.723           | 8.61 |
| 0D07056-CAL8 | 200           | 396823   | 0.766           | 8.61 |
| 0D07056-CAL9 | 400           | 803600   | 0.787           | 8.61 |
| 0D07056-CALA | 600           | 1091692  | 0.767           | 8.61 |

**AVE RF 0.731      RF RSD 4.60      AVE RT 8.61**

### 1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1             | 1756     | 0.722           | 8.71 |
| 0D07056-CAL2 | 2             | 3462     | 0.710           | 8.71 |
| 0D07056-CAL3 | 5             | 8964     | 0.703           | 8.71 |
| 0D07056-CAL4 | 10            | 19186    | 0.708           | 8.71 |
| 0D07056-CAL5 | 20            | 38641    | 0.747           | 8.71 |
| 0D07056-CAL6 | 50            | 97197    | 0.733           | 8.71 |
| 0D07056-CAL7 | 100           | 191985   | 0.709           | 8.71 |
| 0D07056-CAL8 | 200           | 381343   | 0.736           | 8.71 |
| 0D07056-CAL9 | 400           | 778825   | 0.763           | 8.71 |
| 0D07056-CALA | 600           | 1038153  | 0.730           | 8.71 |

**AVE RF 0.726      RF RSD 2.66      AVE RT 8.71**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

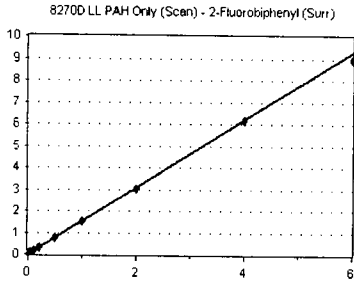
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### 2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

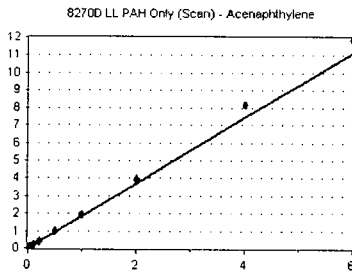


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1             | 2174     | 1.452           | 8.97 |
| OD07056-CAL2 | 2             | 4191     | 1.546           | 8.97 |
| OD07056-CAL3 | 5             | 10979    | 1.670           | 8.97 |
| OD07056-CAL4 | 10            | 22576    | 1.605           | 8.97 |
| OD07056-CAL5 | 20            | 46527    | 1.567           | 8.97 |
| OD07056-CAL6 | 50            | 113161   | 1.545           | 8.97 |
| OD07056-CAL7 | 100           | 225961   | 1.533           | 8.97 |
| OD07056-CAL8 | 200           | 456518   | 1.524           | 8.97 |
| OD07056-CAL9 | 400           | 957543   | 1.547           | 8.97 |
| OD07056-CALA | 600           | 1276915  | 1.493           | 8.97 |

**AVE RF 1.548      RF RSD 3.81      AVE RT 8.97**

### Acenaphthylene

Curve Fit: **AVERAGE RF**

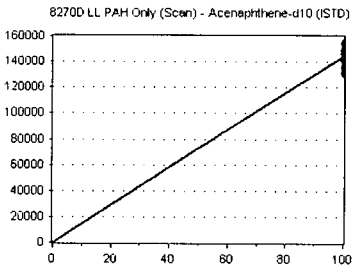


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1             | 2466     | 1.648           | 9.52 |
| OD07056-CAL2 | 2             | 4668     | 1.722           | 9.52 |
| OD07056-CAL3 | 5             | 11532    | 1.754           | 9.52 |
| OD07056-CAL4 | 10            | 25120    | 1.785           | 9.52 |
| OD07056-CAL5 | 20            | 55074    | 1.855           | 9.52 |
| OD07056-CAL6 | 50            | 141318   | 1.929           | 9.52 |
| OD07056-CAL7 | 100           | 287167   | 1.948           | 9.52 |
| OD07056-CAL8 | 200           | 596158   | 1.990           | 9.52 |
| OD07056-CAL9 | 400           | 1260795  | 2.037           | 9.52 |
| OD07056-CALA | 600           | 1692015  | 1.978           | 9.52 |

**AVE RF 1.865      RF RSD 7.06      AVE RT 9.52**

### Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

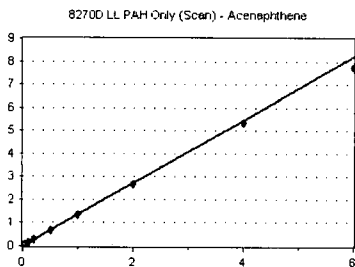


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 100           | 149679   | 1496.790        | 9.66 |
| OD07056-CAL2 | 100           | 135566   | 1355.660        | 9.66 |
| OD07056-CAL3 | 100           | 131499   | 1314.990        | 9.66 |
| OD07056-CAL4 | 100           | 140702   | 1407.020        | 9.66 |
| OD07056-CAL5 | 100           | 148424   | 1484.240        | 9.66 |
| OD07056-CAL6 | 100           | 146492   | 1464.920        | 9.66 |
| OD07056-CAL7 | 100           | 147420   | 1474.200        | 9.66 |
| OD07056-CAL8 | 100           | 149753   | 1497.530        | 9.66 |
| OD07056-CAL9 | 100           | 154741   | 1547.410        | 9.66 |
| OD07056-CALA | 100           | 142544   | 1425.440        | 9.66 |

**AVE RF 1446.820      RF RSD 4.91      AVE RT 9.66**

### Acenaphthene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1             | 2085     | 1.393           | 9.70 |
| OD07056-CAL2 | 2             | 3799     | 1.401           | 9.70 |
| OD07056-CAL3 | 5             | 9358     | 1.423           | 9.70 |
| OD07056-CAL4 | 10            | 19684    | 1.399           | 9.70 |
| OD07056-CAL5 | 20            | 41060    | 1.383           | 9.70 |
| OD07056-CAL6 | 50            | 100491   | 1.372           | 9.70 |
| OD07056-CAL7 | 100           | 199310   | 1.352           | 9.70 |
| OD07056-CAL8 | 200           | 400273   | 1.336           | 9.70 |
| OD07056-CAL9 | 400           | 824563   | 1.332           | 9.70 |
| OD07056-CALA | 600           | 1100304  | 1.287           | 9.70 |

**AVE RF 1.368      RF RSD 3.00      AVE RT 9.70**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

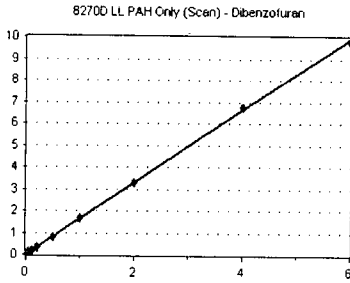
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Dibenzofuran

Curve Fit: **AVERAGE RF**

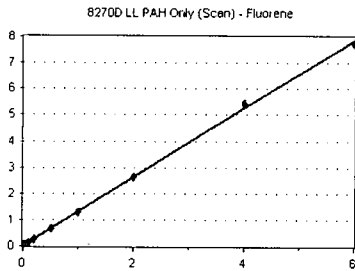


| Standard     | Concentration | Response | Response Factor | RT   |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1             | 2370     | 1.583           | 9.87 |
| OD07056-CAL2 | 2             | 4370     | 1.612           | 9.87 |
| OD07056-CAL3 | 5             | 10882    | 1.655           | 9.87 |
| OD07056-CAL4 | 10            | 23912    | 1.699           | 9.87 |
| OD07056-CAL5 | 20            | 50939    | 1.716           | 9.87 |
| OD07056-CAL6 | 50            | 120846   | 1.650           | 9.87 |
| OD07056-CAL7 | 100           | 244430   | 1.658           | 9.87 |
| OD07056-CAL8 | 200           | 496566   | 1.658           | 9.87 |
| OD07056-CAL9 | 400           | 1049059  | 1.695           | 9.87 |
| OD07056-CALA | 600           | 1394000  | 1.630           | 9.87 |

**AVE RF 1.656      RF RSD 2.46      AVE RT 9.87**

### Fluorene

Curve Fit: **AVERAGE RF**

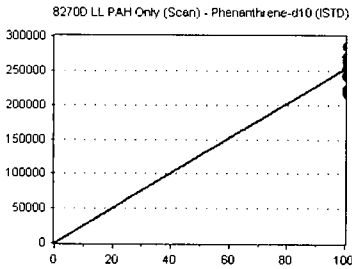


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2108     | 1.408           | 10.22 |
| OD07056-CAL2 | 2             | 3434     | 1.267           | 10.22 |
| OD07056-CAL3 | 5             | 8294     | 1.261           | 10.22 |
| OD07056-CAL4 | 10            | 18241    | 1.296           | 10.22 |
| OD07056-CAL5 | 20            | 39965    | 1.346           | 10.22 |
| OD07056-CAL6 | 50            | 94350    | 1.288           | 10.22 |
| OD07056-CAL7 | 100           | 191718   | 1.300           | 10.22 |
| OD07056-CAL8 | 200           | 396773   | 1.325           | 10.21 |
| OD07056-CAL9 | 400           | 846234   | 1.367           | 10.22 |
| OD07056-CALA | 600           | 1105549  | 1.293           | 10.22 |

**AVE RF 1.315      RF RSD 3.54      AVE RT 10.22**

### Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

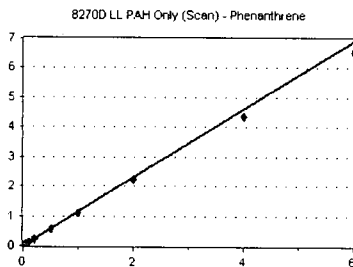


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100           | 271576   | 2715.760        | 11.17 |
| OD07056-CAL2 | 100           | 223200   | 2232.000        | 11.17 |
| OD07056-CAL3 | 100           | 216520   | 2165.200        | 11.17 |
| OD07056-CAL4 | 100           | 243789   | 2437.890        | 11.17 |
| OD07056-CAL5 | 100           | 266029   | 2660.290        | 11.17 |
| OD07056-CAL6 | 100           | 242013   | 2420.130        | 11.17 |
| OD07056-CAL7 | 100           | 265984   | 2659.840        | 11.17 |
| OD07056-CAL8 | 100           | 262815   | 2628.150        | 11.17 |
| OD07056-CAL9 | 100           | 286145   | 2861.450        | 11.17 |
| OD07056-CALA | 100           | 254222   | 2542.220        | 11.17 |

**AVE RF 2532.293      RF RSD 8.64      AVE RT 11.17**

### Phenanthrene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 3463     | 1.275           | 11.19 |
| OD07056-CAL2 | 2             | 5324     | 1.193           | 11.19 |
| OD07056-CAL3 | 5             | 13195    | 1.219           | 11.19 |
| OD07056-CAL4 | 10            | 28266    | 1.159           | 11.19 |
| OD07056-CAL5 | 20            | 61279    | 1.152           | 11.19 |
| OD07056-CAL6 | 50            | 137147   | 1.133           | 11.19 |
| OD07056-CAL7 | 100           | 288254   | 1.084           | 11.19 |
| OD07056-CAL8 | 200           | 586910   | 1.117           | 11.19 |
| OD07056-CAL9 | 400           | 1246717  | 1.089           | 11.19 |
| OD07056-CALA | 600           | 1662195  | 1.090           | 11.19 |

**AVE RF 1.151      RF RSD 5.45      AVE RT 11.19**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

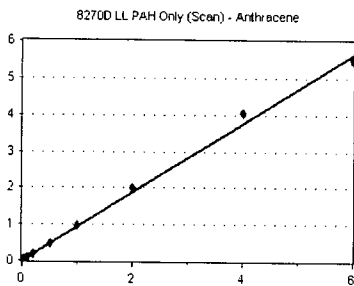
**04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Anthracene

Curve Fit: **AVERAGE RF**

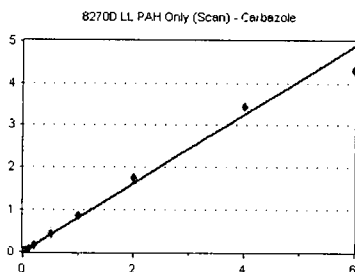


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2627     | 0.967           | 11.24 |
| OD07056-CAL2 | 2             | 3785     | 0.848           | 11.24 |
| OD07056-CAL3 | 5             | 9521     | 0.879           | 11.24 |
| OD07056-CAL4 | 10            | 22111    | 0.907           | 11.25 |
| OD07056-CAL5 | 20            | 51771    | 0.973           | 11.24 |
| OD07056-CAL6 | 50            | 115187   | 0.952           | 11.24 |
| OD07056-CAL7 | 100           | 257805   | 0.969           | 11.24 |
| OD07056-CAL8 | 200           | 524623   | 0.998           | 11.24 |
| OD07056-CAL9 | 400           | 1164250  | 1.017           | 11.25 |
| OD07056-CALA | 600           | 1396742  | 0.916           | 11.25 |

**AVE RF 0.943      RF RSD 5.69      AVE RT 11.24**

### Carbazole

Curve Fit: **AVERAGE RF**

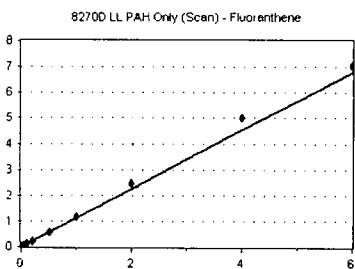


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2085     | 0.768           | 11.40 |
| OD07056-CAL2 | 2             | 3308     | 0.741           | 11.40 |
| OD07056-CAL3 | 5             | 8731     | 0.806           | 11.40 |
| OD07056-CAL4 | 10            | 20204    | 0.829           | 11.40 |
| OD07056-CAL5 | 20            | 44104    | 0.829           | 11.40 |
| OD07056-CAL6 | 50            | 103743   | 0.857           | 11.40 |
| OD07056-CAL7 | 100           | 228806   | 0.860           | 11.40 |
| OD07056-CAL8 | 200           | 458445   | 0.872           | 11.40 |
| OD07056-CAL9 | 400           | 979119   | 0.855           | 11.40 |
| OD07056-CALA | 600           | 1098601  | 0.720           | 11.40 |

**AVE RF 0.814      RF RSD 6.59      AVE RT 11.40**

### Fluoranthene

Curve Fit: **AVERAGE RF**

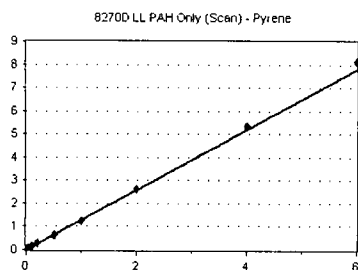


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2793     | 1.028           | 12.46 |
| OD07056-CAL2 | 2             | 4694     | 1.052           | 12.46 |
| OD07056-CAL3 | 5             | 11760    | 1.086           | 12.46 |
| OD07056-CAL4 | 10            | 27227    | 1.117           | 12.46 |
| OD07056-CAL5 | 20            | 58425    | 1.098           | 12.46 |
| OD07056-CAL6 | 50            | 138576   | 1.145           | 12.46 |
| OD07056-CAL7 | 100           | 308063   | 1.158           | 12.46 |
| OD07056-CAL8 | 200           | 643616   | 1.224           | 12.46 |
| OD07056-CAL9 | 400           | 1439355  | 1.258           | 12.46 |
| OD07056-CALA | 600           | 1796405  | 1.178           | 12.47 |

**AVE RF 1.134      RF RSD 6.43      AVE RT 12.46**

### Pyrene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2915     | 1.297           | 12.75 |
| OD07056-CAL2 | 2             | 4749     | 1.267           | 12.75 |
| OD07056-CAL3 | 5             | 12228    | 1.186           | 12.75 |
| OD07056-CAL4 | 10            | 28915    | 1.290           | 12.75 |
| OD07056-CAL5 | 20            | 61609    | 1.434           | 12.75 |
| OD07056-CAL6 | 50            | 148125   | 1.240           | 12.75 |
| OD07056-CAL7 | 100           | 328255   | 1.245           | 12.75 |
| OD07056-CAL8 | 200           | 678143   | 1.323           | 12.75 |
| OD07056-CAL9 | 400           | 1513534  | 1.337           | 12.76 |
| OD07056-CALA | 600           | 1875198  | 1.353           | 12.76 |

**AVE RF 1.297      RF RSD 5.36      AVE RT 12.75**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

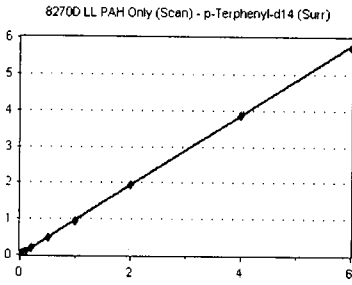
**04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

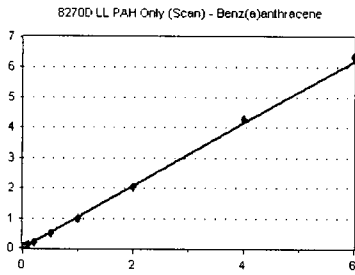


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2235     | 0.994           | 12.95 |
| OD07056-CAL2 | 2             | 3444     | 0.919           | 12.95 |
| OD07056-CAL3 | 5             | 9709     | 0.942           | 12.95 |
| OD07056-CAL4 | 10            | 22061    | 0.984           | 12.96 |
| OD07056-CAL5 | 20            | 43811    | 1.020           | 12.96 |
| OD07056-CAL6 | 50            | 115369   | 0.966           | 12.96 |
| OD07056-CAL7 | 100           | 247933   | 0.940           | 12.95 |
| OD07056-CAL8 | 200           | 497857   | 0.971           | 12.96 |
| OD07056-CAL9 | 400           | 1096177  | 0.968           | 12.96 |
| OD07056-CALA | 600           | 1328709  | 0.959           | 12.96 |

**AVE RF 0.966      RF RSD 3.02      AVE RT 12.96**

### Benz(a)anthracene

Curve Fit: **AVERAGE RF**

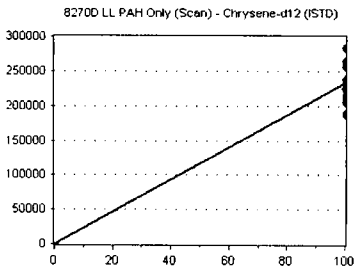


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2758     | 1.227           | 14.92 |
| OD07056-CAL2 | 2             | 4134     | 1.103           | 14.92 |
| OD07056-CAL3 | 5             | 10093    | 0.979           | 14.92 |
| OD07056-CAL4 | 10            | 21888    | 0.977           | 14.93 |
| OD07056-CAL5 | 20            | 41414    | 0.964           | 14.92 |
| OD07056-CAL6 | 50            | 118477   | 0.992           | 14.92 |
| OD07056-CAL7 | 100           | 257406   | 0.976           | 14.92 |
| OD07056-CAL8 | 200           | 526616   | 1.027           | 14.93 |
| OD07056-CAL9 | 400           | 1207333  | 1.066           | 14.94 |
| OD07056-CALA | 600           | 1469312  | 1.060           | 14.94 |

**AVE RF 1.037      RF RSD 7.88      AVE RT 14.93**

### Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

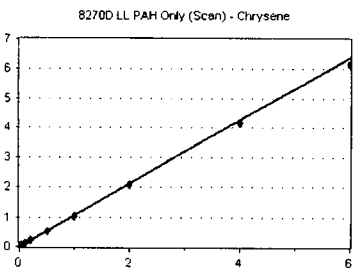


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100           | 224745   | 2247.450        | 14.95 |
| OD07056-CAL2 | 100           | 187464   | 1874.640        | 14.94 |
| OD07056-CAL3 | 100           | 206205   | 2062.050        | 14.95 |
| OD07056-CAL4 | 100           | 224123   | 2241.230        | 14.95 |
| OD07056-CAL5 | 100           | 214808   | 2148.080        | 14.95 |
| OD07056-CAL6 | 100           | 238949   | 2389.490        | 14.95 |
| OD07056-CAL7 | 100           | 263757   | 2637.570        | 14.95 |
| OD07056-CAL8 | 100           | 256376   | 2563.760        | 14.95 |
| OD07056-CAL9 | 100           | 283021   | 2830.210        | 14.95 |
| OD07056-CALA | 100           | 231029   | 2310.290        | 14.95 |

**AVE RF 2330.477      RF RSD 12.22      AVE RT 14.95**

### Chrysene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 2483     | 1.105           | 15.01 |
| OD07056-CAL2 | 2             | 4350     | 1.160           | 15.00 |
| OD07056-CAL3 | 5             | 11149    | 1.081           | 15.01 |
| OD07056-CAL4 | 10            | 23333    | 1.041           | 15.01 |
| OD07056-CAL5 | 20            | 46060    | 1.072           | 15.01 |
| OD07056-CAL6 | 50            | 126277   | 1.057           | 15.01 |
| OD07056-CAL7 | 100           | 272605   | 1.034           | 15.01 |
| OD07056-CAL8 | 200           | 537553   | 1.048           | 15.01 |
| OD07056-CAL9 | 400           | 1174861  | 1.038           | 15.02 |
| OD07056-CALA | 600           | 1426972  | 1.029           | 15.02 |

**AVE RF 1.067      RF RSD 3.81      AVE RT 15.01**



## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

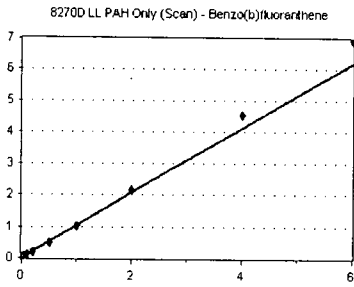
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

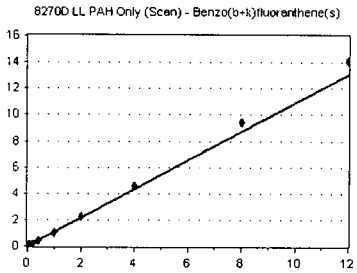


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 1958     | 1.035           | 17.50 |
| OD07056-CAL2 | 2             | 3031     | 0.959           | 17.50 |
| OD07056-CAL3 | 5             | 8620     | 0.949           | 17.50 |
| OD07056-CAL4 | 10            | 20389    | 0.991           | 17.51 |
| OD07056-CAL5 | 20            | 37506    | 1.000           | 17.51 |
| OD07056-CAL6 | 50            | 116347   | 0.998           | 17.51 |
| OD07056-CAL7 | 100           | 253202   | 1.018           | 17.51 |
| OD07056-CAL8 | 200           | 536283   | 1.086           | 17.51 |
| OD07056-CAL9 | 400           | 1217211  | 1.138           | 17.52 |
| OD07056-CALA | 600           | 1548382  | 1.163           | 17.52 |

**AVE RF 1.034      RF RSD 7.03      AVE RT 17.51**

### Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**

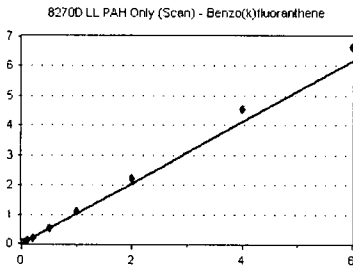


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 2             | 3809     | 1.007           | 17.50 |
| OD07056-CAL2 | 4             | 6349     | 1.005           | 17.50 |
| OD07056-CAL3 | 10            | 18526    | 1.020           | 17.50 |
| OD07056-CAL4 | 20            | 44218    | 1.074           | 17.58 |
| OD07056-CAL5 | 40            | 81846    | 1.091           | 17.57 |
| OD07056-CAL6 | 100           | 249964   | 1.072           | 17.57 |
| OD07056-CAL7 | 200           | 548680   | 1.103           | 17.57 |
| OD07056-CAL8 | 400           | 1132360  | 1.146           | 17.58 |
| OD07056-CAL9 | 800           | 2523866  | 1.179           | 17.59 |
| OD07056-CALA | 1200          | 3120142  | 1.172           | 17.59 |

**AVE RF 1.087      RF RSD 5.96      AVE RT 17.55**

### Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

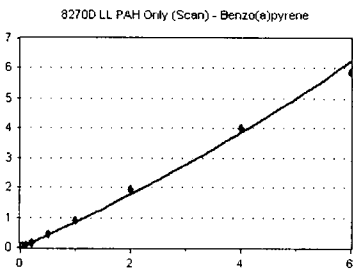


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 1851     | 0.978           | 17.56 |
| OD07056-CAL2 | 2             | 2864     | 0.906           | 17.56 |
| OD07056-CAL3 | 5             | 8275     | 0.911           | 17.56 |
| OD07056-CAL4 | 10            | 20616    | 1.002           | 17.58 |
| OD07056-CAL5 | 20            | 38178    | 1.018           | 17.57 |
| OD07056-CAL6 | 50            | 120385   | 1.033           | 17.57 |
| OD07056-CAL7 | 100           | 270754   | 1.089           | 17.57 |
| OD07056-CAL8 | 200           | 553475   | 1.121           | 17.58 |
| OD07056-CAL9 | 400           | 1218167  | 1.139           | 17.59 |
| OD07056-CALA | 600           | 1475774  | 1.109           | 17.59 |

**AVE RF 1.031      RF RSD 8.10      AVE RT 17.57**

### Benzo(a)pyrene

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



| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 1158     | 0.612           | 18.26 |
| OD07056-CAL2 | 2             | 2009     | 0.636           | 18.26 |
| OD07056-CAL3 | 5             | 5994     | 0.660           | 18.26 |
| OD07056-CAL4 | 10            | 15453    | 0.751           | 18.28 |
| OD07056-CAL5 | 20            | 29191    | 0.778           | 18.27 |
| OD07056-CAL6 | 50            | 102540   | 0.880           | 18.27 |
| OD07056-CAL7 | 100           | 227825   | 0.916           | 18.27 |
| OD07056-CAL8 | 200           | 480916   | 0.974           | 18.28 |
| OD07056-CAL9 | 400           | 1069564  | 1.000           | 18.29 |
| OD07056-CALA | 600           | 1297353  | 0.975           | 18.29 |

**AVE RF 0.818      RF RSD 18.31      AVE RT 18.27**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

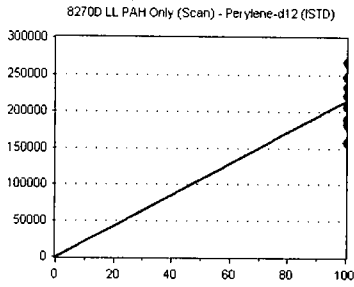
**04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

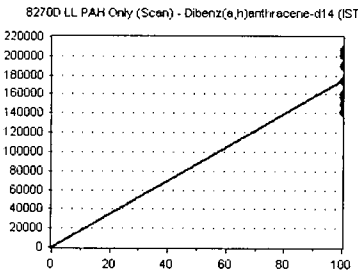


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100           | 189170   | 1891.700        | 18.41 |
| OD07056-CAL2 | 100           | 158010   | 1580.100        | 18.41 |
| OD07056-CAL3 | 100           | 181653   | 1816.530        | 18.41 |
| OD07056-CAL4 | 100           | 205793   | 2057.930        | 18.42 |
| OD07056-CAL5 | 100           | 187485   | 1874.850        | 18.41 |
| OD07056-CAL6 | 100           | 233103   | 2331.030        | 18.41 |
| OD07056-CAL7 | 100           | 248613   | 2486.130        | 18.42 |
| OD07056-CAL8 | 100           | 246957   | 2469.570        | 18.42 |
| OD07056-CAL9 | 100           | 267480   | 2674.800        | 18.42 |
| OD07056-CALA | 100           | 221821   | 2218.210        | 18.42 |

**AVE RF 2140.085      RF RSD 16.44      AVE RT 18.41**

### Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**

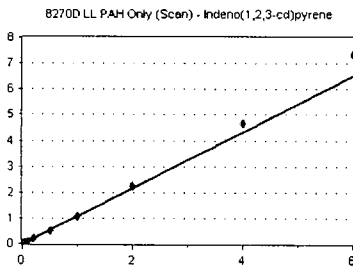


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100           | 160677   | 1606.770        | 20.79 |
| OD07056-CAL2 | 100           | 141496   | 1414.960        | 20.79 |
| OD07056-CAL3 | 100           | 160102   | 1601.020        | 20.79 |
| OD07056-CAL4 | 100           | 175208   | 1752.080        | 20.80 |
| OD07056-CAL5 | 100           | 149877   | 1498.770        | 20.79 |
| OD07056-CAL6 | 100           | 190743   | 1907.430        | 20.79 |
| OD07056-CAL7 | 100           | 201252   | 2012.520        | 20.79 |
| OD07056-CAL8 | 100           | 201443   | 2014.430        | 20.79 |
| OD07056-CAL9 | 100           | 206453   | 2064.530        | 20.81 |
| OD07056-CALA | 100           | 157020   | 1570.200        | 20.81 |

**AVE RF 1744.271      RF RSD 13.68      AVE RT 20.79**

### Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

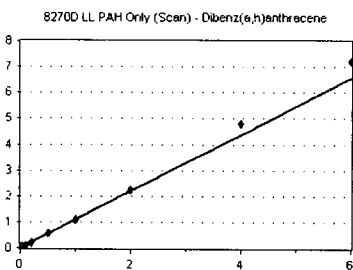


| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 1652     | 1.028           | 20.79 |
| OD07056-CAL2 | 2             | 2847     | 1.006           | 20.79 |
| OD07056-CAL3 | 5             | 8244     | 1.030           | 20.79 |
| OD07056-CAL4 | 10            | 18462    | 1.054           | 20.80 |
| OD07056-CAL5 | 20            | 32482    | 1.084           | 20.79 |
| OD07056-CAL6 | 50            | 102100   | 1.071           | 20.79 |
| OD07056-CAL7 | 100           | 215605   | 1.071           | 20.79 |
| OD07056-CAL8 | 200           | 452810   | 1.124           | 20.80 |
| OD07056-CAL9 | 400           | 964615   | 1.168           | 20.81 |
| OD07056-CALA | 600           | 1156472  | 1.228           | 20.81 |

**AVE RF 1.086      RF RSD 6.33      AVE RT 20.80**

### Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response Factor | RT    |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1             | 1657     | 1.031           | 20.86 |
| OD07056-CAL2 | 2             | 2764     | 0.977           | 20.85 |
| OD07056-CAL3 | 5             | 8753     | 1.093           | 20.85 |
| OD07056-CAL4 | 10            | 18337    | 1.047           | 20.86 |
| OD07056-CAL5 | 20            | 32488    | 1.084           | 20.86 |
| OD07056-CAL6 | 50            | 104317   | 1.094           | 20.86 |
| OD07056-CAL7 | 100           | 220763   | 1.097           | 20.86 |
| OD07056-CAL8 | 200           | 454575   | 1.128           | 20.86 |
| OD07056-CAL9 | 400           | 991281   | 1.200           | 20.88 |
| OD07056-CALA | 600           | 1132840  | 1.202           | 20.88 |

**AVE RF 1.095      RF RSD 6.40      AVE RT 20.86**

## Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

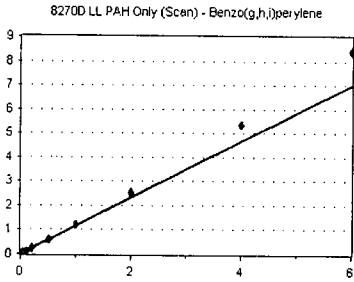
**04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

### Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**



| Standard     | Concentration | Response | Response |       |
|--------------|---------------|----------|----------|-------|
|              |               |          | Factor   | RT    |
| 0D07056-CAL1 | 1             | 1550     | 0.965    | 21.32 |
| 0D07056-CAL2 | 2             | 2738     | 0.968    | 21.32 |
| 0D07056-CAL3 | 5             | 8418     | 1.052    | 21.32 |
| 0D07056-CAL4 | 10            | 18938    | 1.081    | 21.33 |
| 0D07056-CAL5 | 20            | 34943    | 1.166    | 21.32 |
| 0D07056-CAL6 | 50            | 113428   | 1.189    | 21.32 |
| 0D07056-CAL7 | 100           | 246409   | 1.224    | 21.33 |
| 0D07056-CAL8 | 200           | 512635   | 1.272    | 21.34 |
| 0D07056-CAL9 | 400           | 1102019  | 1.334    | 21.35 |
| 0D07056-CALA | 600           | 1320462  | 1.402    | 21.35 |

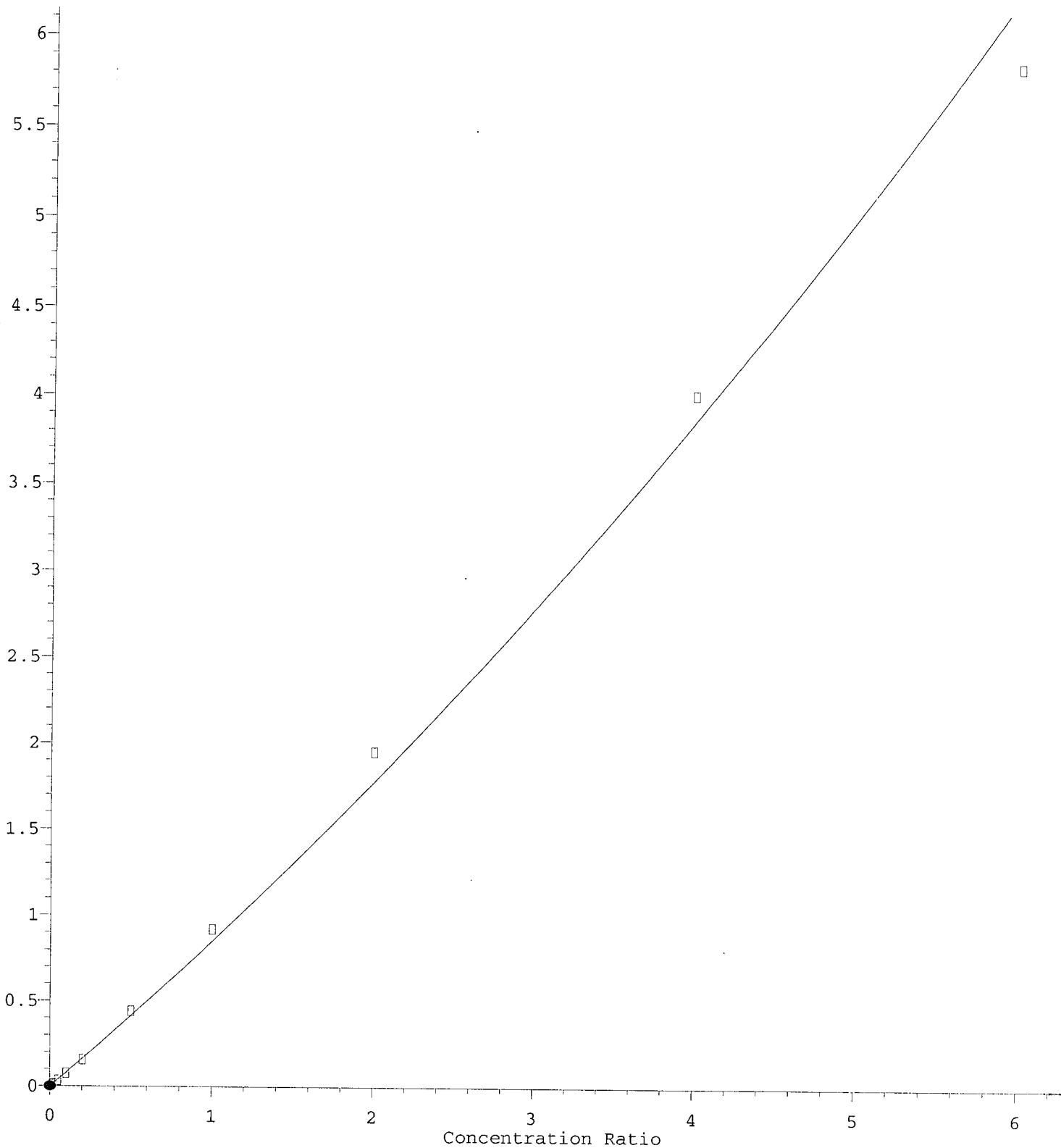
AVE RF **1.165**

RF RSD **12.77**

AVE RT **21.33**

Benzo(a)pyrene

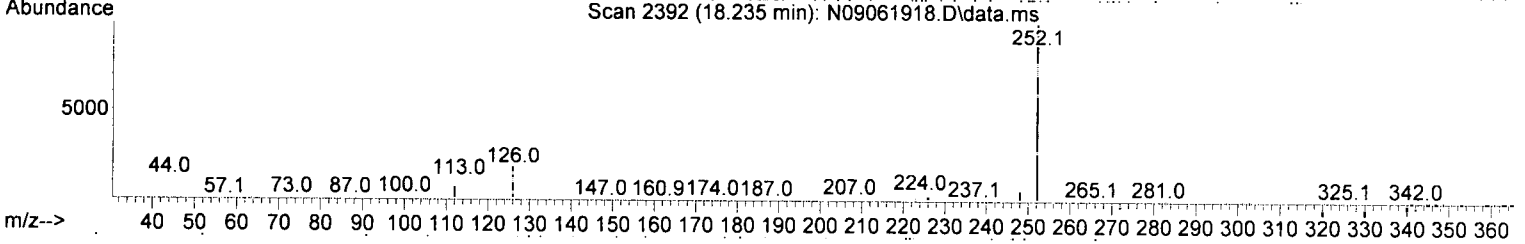
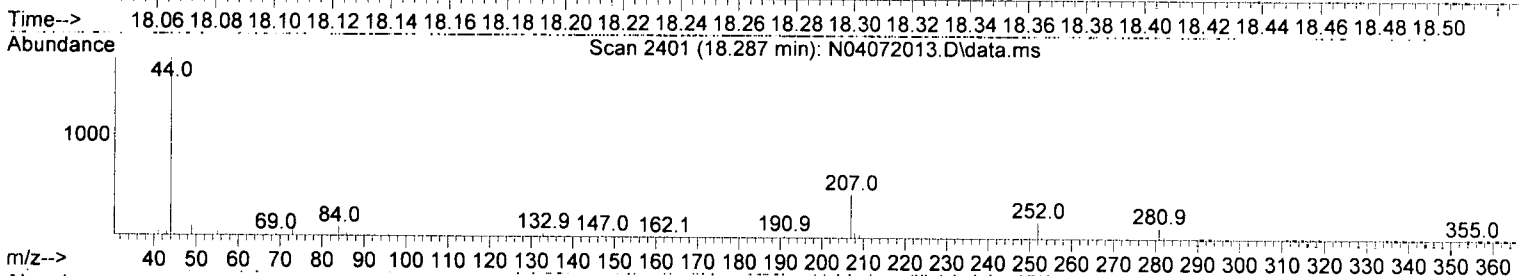
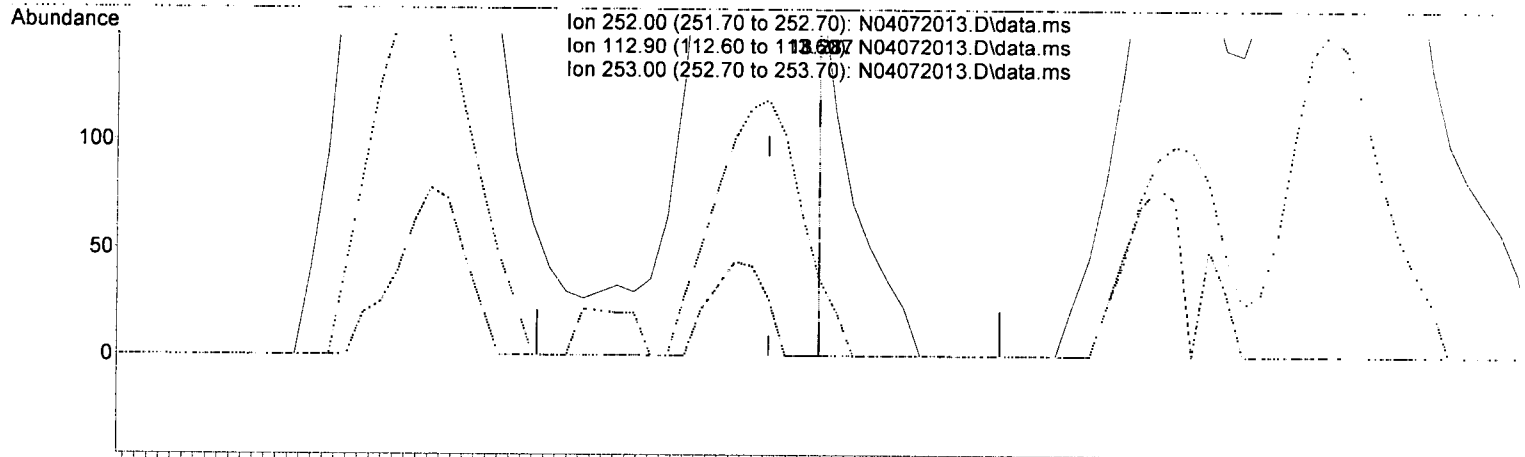
Response Ratio



Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\REQUANT\  
 Data File : N04072013.D  
 Acq On : 07 Apr 2020 17:38  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL1  
 Misc : 1x, A20C467@1PPB  
 ALS Vial : 3 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 10:25:18 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 10:01:43 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



TIC: N04072013.D\data.ms

(33) Benzo(a)pyrene (T)

18.287min (+ 0.017) 0.38 ng/ml m

response 102

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70  | 0.00   |
| 253.00 | 21.90  | 20.34  |
| 0.00   | 0.00   | 0.00   |

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analysis Included  
8270D LL PAH Only (Scan)

## INSTRUMENT SEQUENCE LOG

| SampleID     | SampleName        | Matrix | STDID   | ISTD_ID | Analized            |
|--------------|-------------------|--------|---------|---------|---------------------|
| 0D07056-TUN1 | MS Tune           | Soil   | A20C407 | A20C067 | 4/7/2020 4:40:00PM  |
| 0D07056-ICB1 | Initial Cal Blank | Soil   |         | A20C067 | 4/7/2020 5:07:00PM  |
| 0D07056-CAL1 | Cal Standard      | Soil   | A20C467 | "       | 4/7/2020 5:38:00PM  |
| 0D07056-CAL2 | Cal Standard      | Soil   | A20C468 | "       | 4/7/2020 6:10:00PM  |
| 0D07056-CAL3 | Cal Standard      | Soil   | A20C469 | "       | 4/7/2020 6:42:00PM  |
| 0D07056-CAL4 | Cal Standard      | Soil   | A20C470 | "       | 4/7/2020 7:28:00PM  |
| 0D07056-CAL5 | Cal Standard      | Soil   | A20C471 | "       | 4/7/2020 8:00:00PM  |
| 0D07056-CAL6 | Cal Standard      | Soil   | A20C472 | "       | 4/7/2020 8:32:00PM  |
| 0D07056-CAL7 | Cal Standard      | Soil   | A20C473 | "       | 4/7/2020 9:04:00PM  |
| 0D07056-CAL8 | Cal Standard      | Soil   | A20C474 | "       | 4/7/2020 9:36:00PM  |
| 0D07056-CAL9 | Cal Standard      | Soil   | A20C475 | "       | 4/7/2020 10:08:00PM |
| 0D07056-CALA | Cal Standard      | Soil   | A20C476 | "       | 4/7/2020 10:40:00PM |
| 0D07056-ICV1 | Initial Cal Check | Soil   | A20C479 | "       | 4/7/2020 11:44:00PM |

## CALIBRATION STANDARD RECOVERIES

Calibration: **A0D0804**      Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)      Sequence: **0D07056**      Matrix: **Soil**

| SampleID     | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| 0D07056-CAL1 |           |             |           |       |      |
| 0D07056-CAL2 |           |             |           |       |      |
| 0D07056-CAL3 |           |             |           |       |      |
| 0D07056-CAL4 |           |             |           |       |      |
| 0D07056-CAL5 |           |             |           |       |      |
| 0D07056-CAL6 |           |             |           |       |      |
| 0D07056-CAL7 |           |             |           |       |      |
| 0D07056-CAL8 |           |             |           |       |      |
| 0D07056-CAL9 |           |             |           |       |      |
| 0D07056-CALA |           |             |           |       |      |

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

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

## Analytes With Quadratic Curve Fits

Qualifier   iMDL   iMRL   Spike Amt   %Difference   OK?   Raise MRL to ?  
\_\_\_\_\_         \_\_\_\_\_

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

## ICV RECOVERIES

Calibration: **A0D0804**   Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)   Sequence: **0D07056**   Matrix: Soil

| 0D07056-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
|--------------|-----------|-----------|--------|-------|------|

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

Evaluate Continuing Calibration Report

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072024.D  
 Acq On : 07 Apr 2020 23:44  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICV1  
 Misc : 1x, A20C479@50PPB  
 ALS Vial : 13 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 10:25:58 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 10:01:43 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*JK 4/8/20*

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

| Compound |                               | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|----------|-------------------------------|---------|---------|-------|-------|----------|
| 1 I      | Naphthalene-d8 (ISTD)         | 100.000 | 100.000 | 0.0   | 100   | 0.00     |
| 2 S      | Nitrobenzene-d5 (Surr)        | 50.000  | 38.067  | 23.9  | 79    | 0.00     |
| 3 T      | Decalin                       | 50.000  | 41.463  | 17.1  | 88    | 0.00     |
| 4 T      | Naphthalene                   | 50.000  | 46.475  | 7.0   | 96    | 0.00     |
| 5 T      | 2-Methylnaphthalene           | 50.000  | 49.193  | 1.6   | 98    | 0.00     |
| 6 T      | 1-Methylnaphthalene           | 50.000  | 49.741  | 0.5   | 99    | 0.00     |
| 7 T      | 1,1'-Biphenyl                 | 50.000  | 50.032  | -0.1  | 101   | 0.00     |
| 8 T      | 2,6-Dimethylnaphthalene       | 50.000  | 50.010  | -0.0  | 101   | 0.00     |
| 9 I      | Acenaphthene-d10 (ISTD)       | 100.000 | 100.000 | 0.0   | 99    | 0.00     |
| 10 S     | 2-Fluorobiphenyl (Surr)       | 50.000  | 51.187  | -2.4  | 102   | 0.00     |
| 11 T     | Acenaphthylene                | 50.000  | 50.464  | -0.9  | 97    | 0.00     |
| 12 T     | Acenaphthene                  | 50.000  | 50.180  | -0.4  | 99    | 0.00     |
| 13 T     | Dibenzofuran                  | 50.000  | 52.969  | -5.9  | 105   | 0.00     |
| 14 T     | 1,6,7-Trimethylnaphthalene    | 50.000  | 51.548  | -3.1  | 103   | 0.00     |
| 15 T     | Fluorene                      | 50.000  | 51.338  | -2.7  | 104   | 0.00     |
| 16 I     | Phenanthrene-d10 (ISTD)       | 100.000 | 100.000 | 0.0   | 109   | 0.00     |
| 17 T     | Dibenzothiopene               | 50.000  | 46.957  | 6.1   | 101   | 0.00     |
| 18 T     | Phenanthrene                  | 50.000  | 49.287  | 1.4   | 109   | 0.00     |
| 19 T     | Anthracene                    | 50.000  | 49.565  | 0.9   | 107   | 0.00     |
| 20 T     | Carbazole                     | 50.000  | 49.867  | 0.3   | 103   | 0.00     |
| 21 T     | 1-Methylphenanthrene          | 50.000  | 50.546  | -1.1  | 107   | 0.00     |
| 22 T     | Fluoranthene                  | 50.000  | 48.648  | 2.7   | 105   | 0.00     |
| 23 I     | Chrysene-d12 (ISTD)           | 100.000 | 100.000 | 0.0   | 88    | 0.00     |
| 24 T     | Pyrene                        | 50.000  | 56.518  | -13.0 | 104   | 0.00     |
| 25 S     | Terphenyl-d14 (Surr)          | 50.000  | 51.739  | -3.5  | 91    | 0.00     |
| 26 T     | Benz(a)anthracene             | 50.000  | 46.660  | 6.7   | 86    | 0.00     |
| 27 T     | Chrysene                      | 50.000  | 51.045  | -2.1  | 90    | 0.00     |
| 28 I     | Perylene-d12 (ISTD)           | 100.000 | 100.000 | 0.0   | 83    | 0.00     |
| 29 T     | Benzo(b)fluoranthene          | 50.000  | 46.576  | 6.8   | 80    | 0.00     |
| 30 T     | Benzo(k)fluoranthene          | 50.000  | 49.454  | 1.1   | 82    | 0.00     |
| 31 T     | Benzo(b+k)fluoranthene        | 100.000 | 97.550  | 2.5   | 82    | 0.00     |
| 32 T     | Benzo(e)pyrene                | 50.000  | 49.681  | 0.6   | 85    | 0.00     |
| 33 T     | Benzo(a)pyrene                | 50.000  | 49.592  | 0.8   | 78    | 0.00     |
| 34 T     | Perylene                      | 50.000  | 52.757  | -5.5  | 81    | 0.00     |
| 35 I     | Dibenz(a,h)Anthracene-d14 (IS | 100.000 | 100.000 | 0.0   | 79    | 0.00     |
| 36 T     | Indeno(1,2,3-cd)Pyrene        | 50.000  | 47.755  | 4.5   | 76    | 0.00     |
| 37 T     | Dibenz(a,h)anthracene         | 50.000  | 48.550  | 2.9   | 76    | 0.00     |
| 38 T     | Benzo(g,h,i)perylene          | 50.000  | 52.008  | -4.0  | 80    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072011.D  
 Acq On : 07 Apr 2020 16:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-TUN1  
 Misc : 1x, A20C407 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1  
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020  
 Quant Method : N:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Wed Apr 08 09:38:16 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*gpd 4/8/20*

| Compound                      | R.T.   | QIon | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|----------|---------|----------|
| <b>Internal Standards</b>     |        |      |          |          |         |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.653  | 150  | 240709   | 2.00     | ug/mL   | 0.00     |
| 2) Naphthalene-d8             | 7.854  | 136  | 713167   | 2.00     | ug/mL   | 0.00     |
| 3) Acenaphthene-d10           | 9.620  | 162  | 406349   | 2.00     | ug/mL   | 0.00     |
| 5) Phenanthrene-d10           | 11.130 | 188  | 757910   | 2.00     | ug/mL   | 0.00     |
| 11) Chrysene-d12              | 14.819 | 240  | 611764   | 2.00     | ug/mL   | 0.00     |
| 12) Perylene-d12              | 16.842 | 264  | 570030   | 2.00     | ug/mL   | 0.00     |
| 13) Dibenz(a,h)anthracene-... | 18.066 | 292  | 501838   | 2.00     | ug/mL # | 0.00     |
| <b>Target Compounds</b>       |        |      |          |          |         |          |
| 4) Pentachlorophenol          | 10.949 | 266  | 1845493  | 48.09    | ug/mL   | 83       |
| 6) DFTPP                      | 11.427 | 442  | 2747851  | 44.91    | ug/mL#  | 69       |
| 7) Benzidine                  | 12.593 | 184  | 7014847  | 26.02    | ug/mL   | 98       |
| 8) 4,4-DDE                    | 12.837 | TIC  | 341628   | No Calib |         |          |
| 9) 4,4-DDD                    | 13.345 | TIC  | 396978   | No Calib |         |          |
| 10) 4,4-DDT                   | 13.916 | TIC  | 24135849 | 31.05    | ug/mL   | 95       |

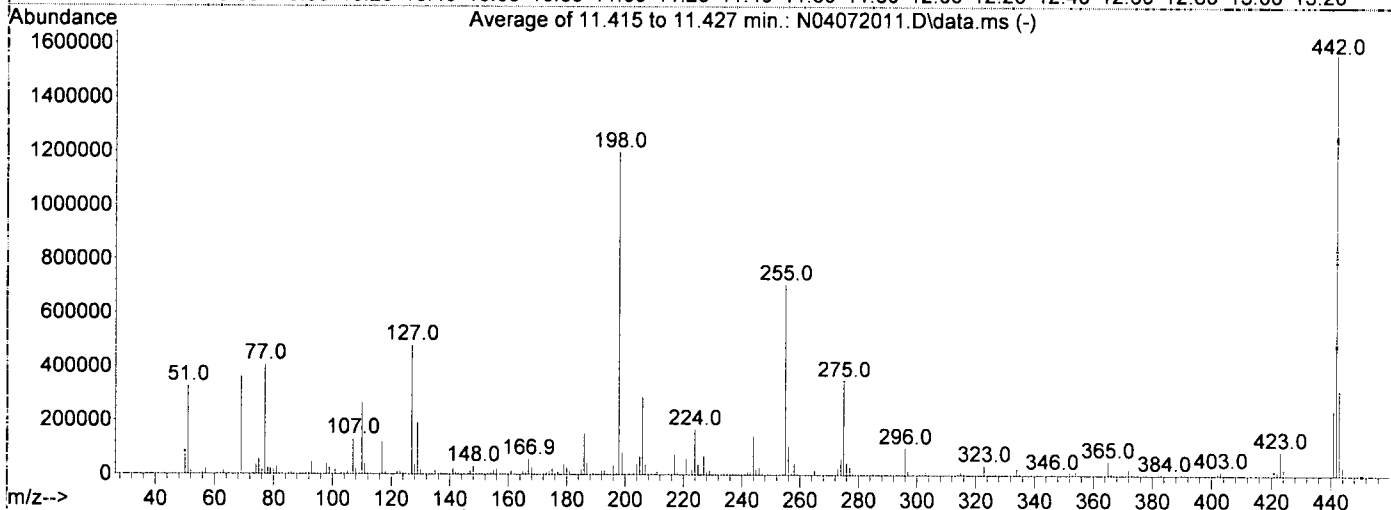
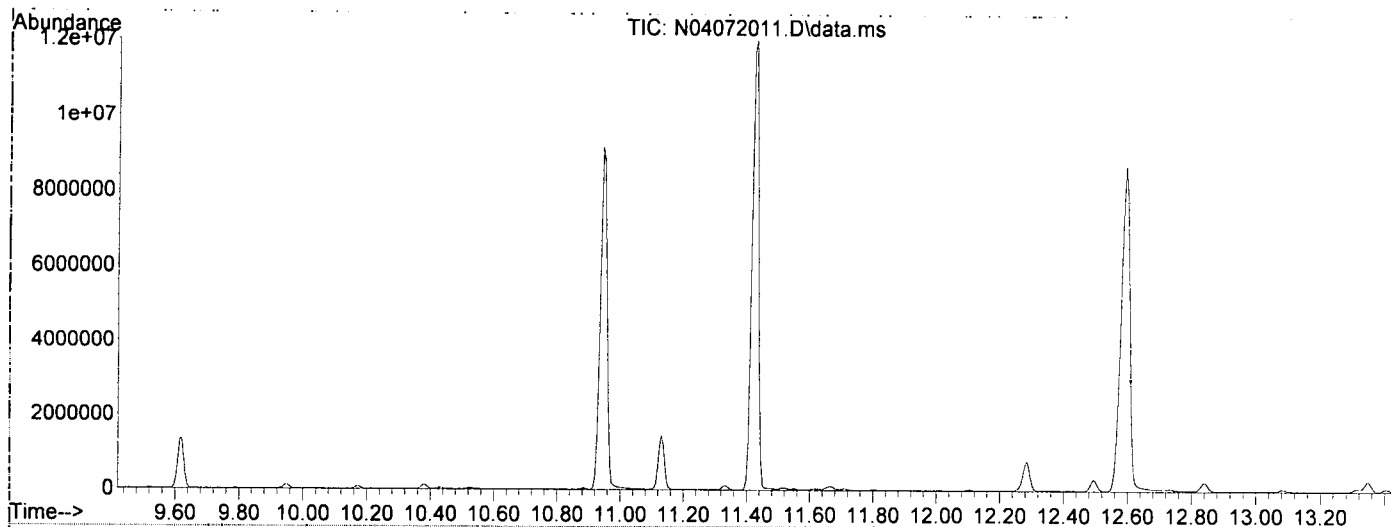
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072011.D  
 Acq On : 07 Apr 2020 16:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-TUN1  
 Misc : 1x, A20C407 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M  
 Title : 8270 DFTPP Tune Method  
 Last Update : Wed Apr 08 09:38:16 2020

*Handwritten:* 4/8/20



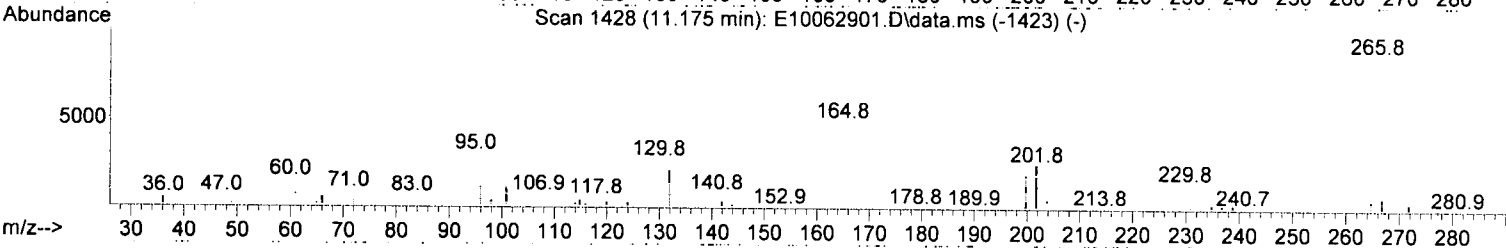
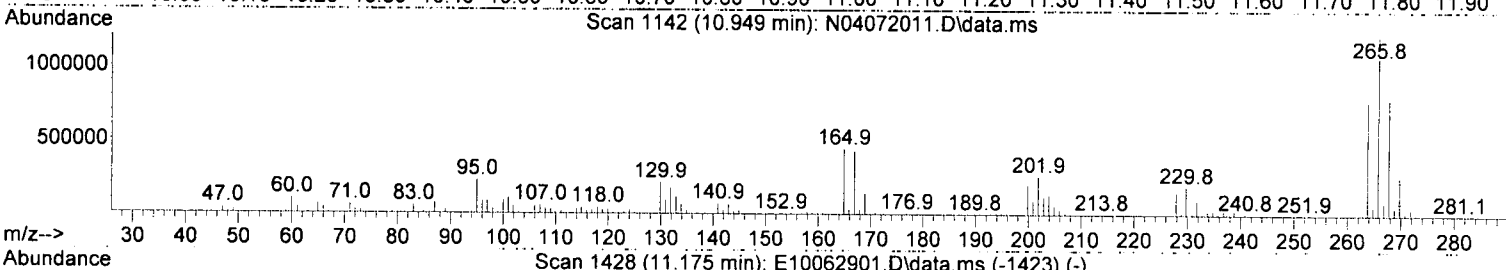
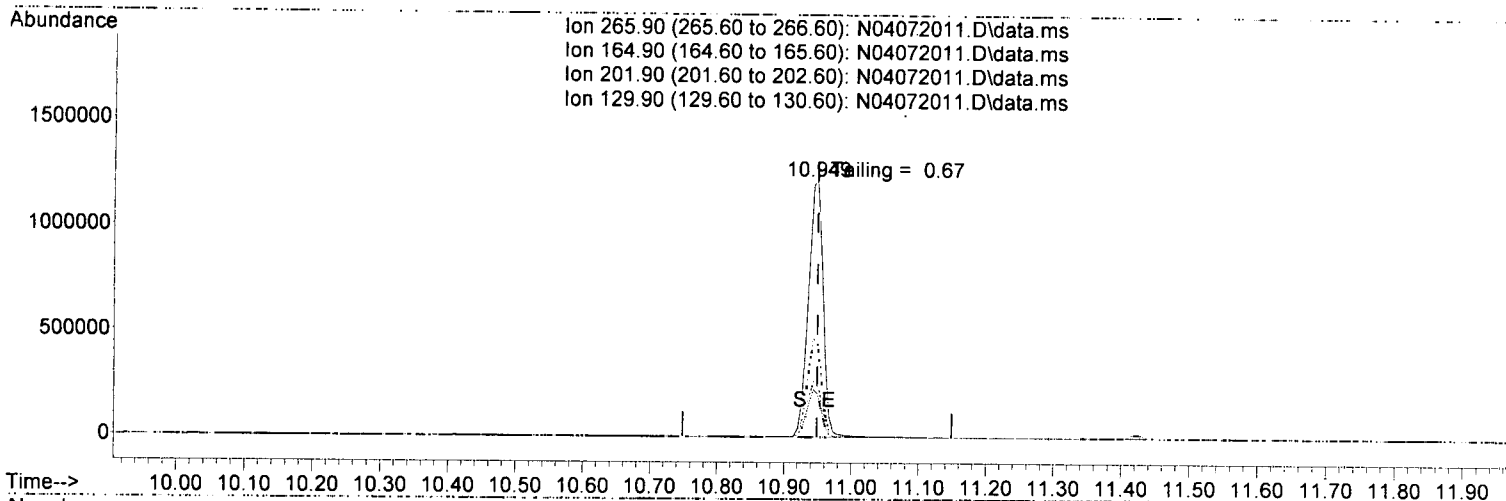
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68          | 69           | 0.00         | 2            | 1.7       | 6083    | PASS             |
| 69          | 69           | 100          | 100          | 100.0     | 365241  | PASS             |
| 70          | 69           | 0.00         | 2            | 0.5       | 1854    | PASS             |
| 197         | 198          | 0.00         | 2            | 0.5       | 6580    | PASS             |
| 198         | 198          | 100          | 100          | 100.0     | 1198699 | PASS             |
| 199         | 198          | 5            | 9            | 6.9       | 82376   | PASS             |
| 365         | 198          | 1            | 100          | 4.3       | 51179   | PASS             |
| 441         | 443          | 0.01         | 150          | 77.3      | 240704  | PASS             |
| 442         | 198          | 0.10         | 200          | 130.5     | 1564779 | PASS             |
| 443         | 442          | 15           | 24           | 19.9      | 311317  | PASS             |

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072011.D  
 Acq On : 07 Apr 2020 16:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-TUN1  
 Misc : 1x, A20C407 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1  
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020  
 Quant Method : N:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Wed Apr 08 09:38:16 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(4) Pentachlorophenol

10.949min ( 0.000) 48.09 ug/mL

response 1845493

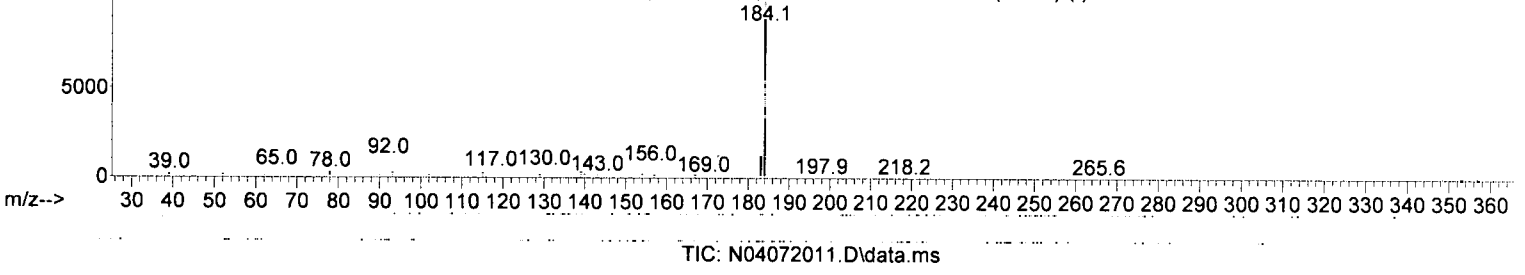
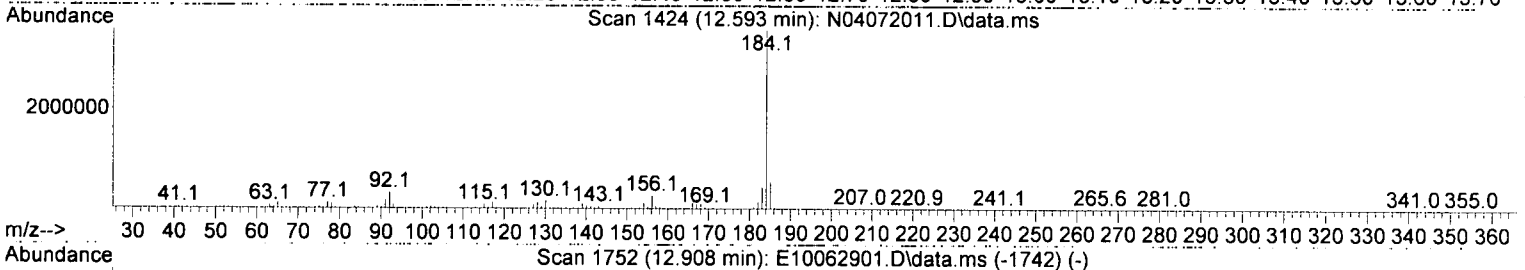
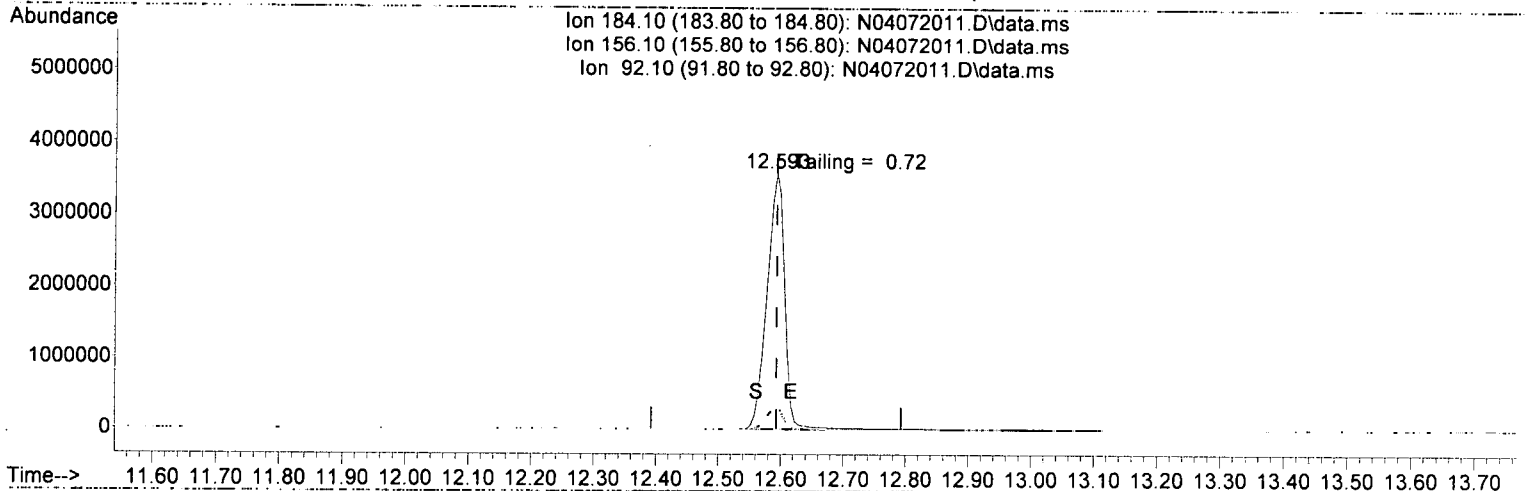
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60  | 36.50  |
| 201.90 | 25.80  | 21.24  |
| 129.90 | 27.30  | 17.26  |

*Handwritten signature and date: JK 4/8/20*

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072011.D  
 Acq On : 07 Apr 2020 16:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-TUN1  
 Misc : 1x, A20C407 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1  
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020  
 Quant Method : N:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Wed Apr 08 09:38:16 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



(7) Benzidine

12.593min ( 0.000) 26.02 ug/mL

response 7014847

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50   | 7.22   |
| 92.10  | 8.20   | 8.66   |
| 0.00   | 0.00   | 0.00   |

*Handwritten signature and date: 4/8/20*

# DDT Breakdown Check (Validated 5/1/2013)

From:  
OD07056-TUN1  
SV-GCMS14

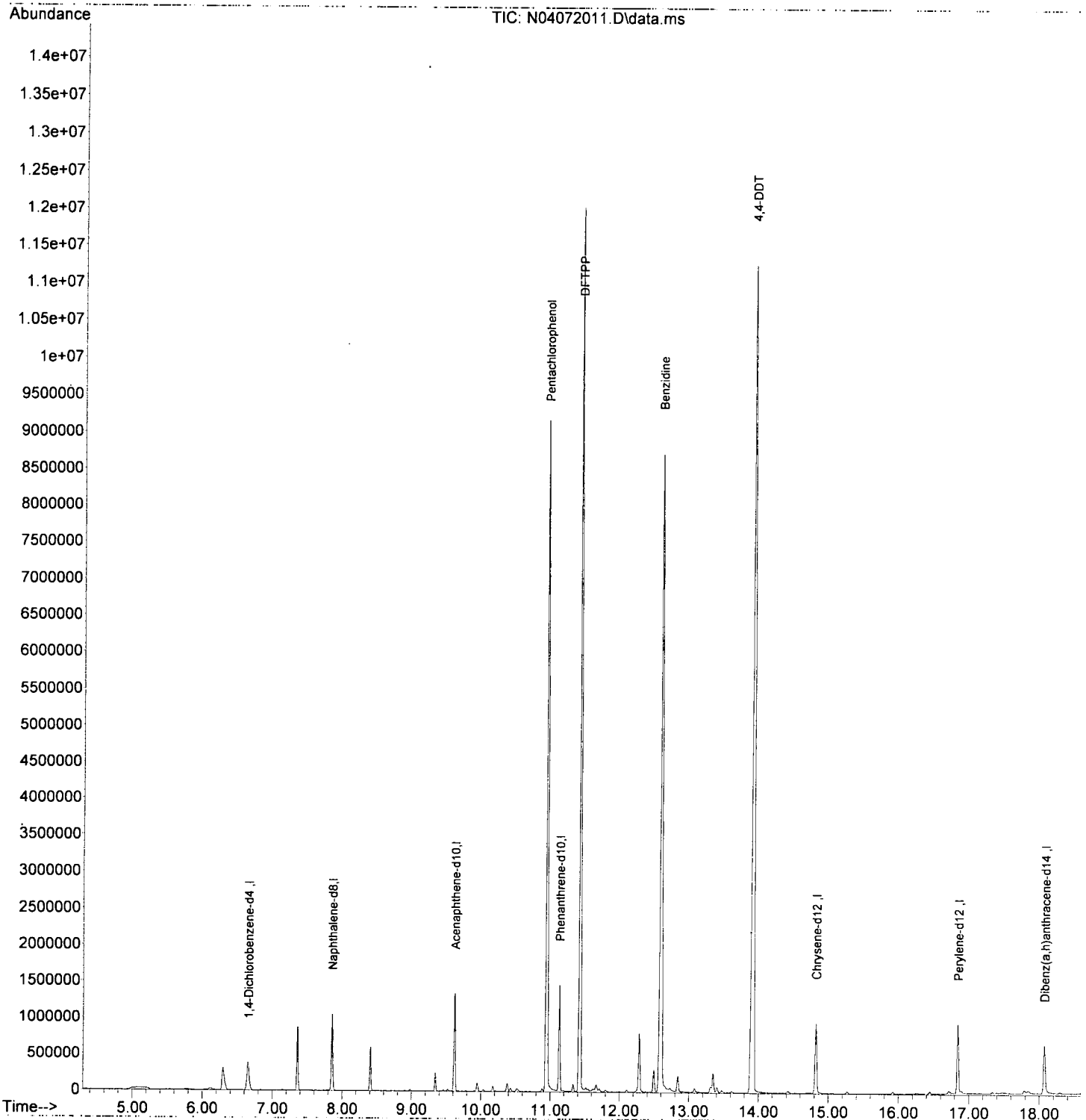
| First Column Area Counts | Percent Breakdown |
|--------------------------|-------------------|
| DDE 341628               |                   |
| DDD 396978               |                   |
| <b>DDT 24135849</b>      | <b>2.97 PASS</b>  |

✓  
JK 4/8/20

Breakdown must be less than 20% to accept sample data.

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072011.D  
 Acq On : 07 Apr 2020 16:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-TUN1  
 Misc : 1x, A20C407 DFTPP @ 45  
 ALS Vial : 1 Sample Multiplier: 1  
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020  
 Quant Method : N:\methods\DFTPP.M  
 Quant Title : 8270 DFTPP Tune Method  
 QLast Update : Wed Apr 08 09:38:16 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072012.D  
 Acq On : 07 Apr 2020 17:07  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICB1  
 Misc : 1x, DCM+ISTD  
 ALS Vial : 2 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:04 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*JK* 4/8/20

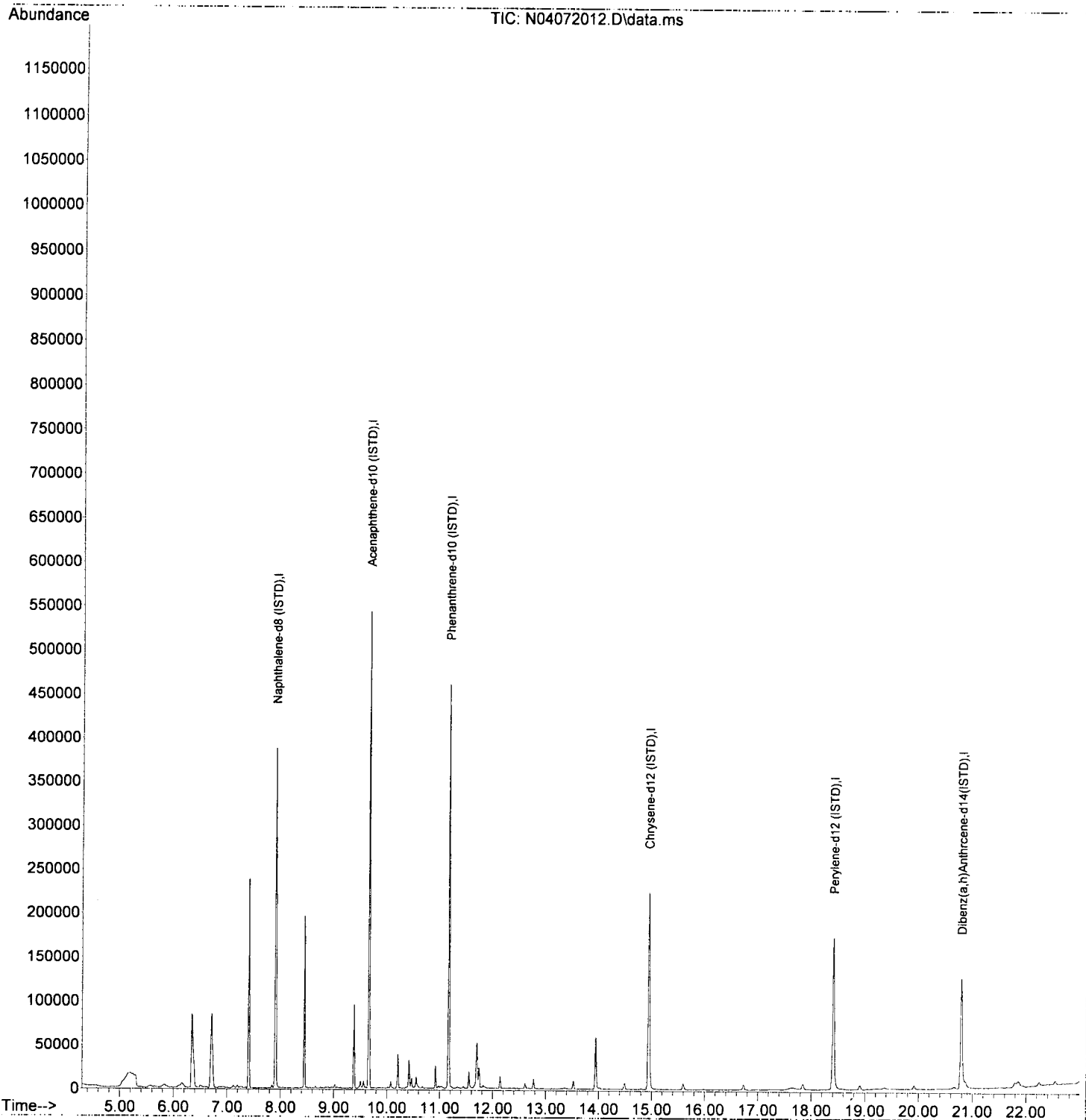
| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 278751   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 161180   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 252730   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.942 | 240  | 175674   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 149144   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 126750   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.201  | 82   | 178      | 0.29   | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 248      | 0.09   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 284      | 0.17   | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
| 3) Decalin                         | 0.000  |      | 0        | N.D.   |       |          | Qvalue |
| 4) Naphthalene                     | 7.936  | 128  | 452      | N.D.   |       |          |        |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 80       | N.D.   |       |          |        |
| 6) 1-Methylnaphthalene             | 0.000  |      | 0        | N.D.   |       |          |        |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 289      | N.D.   |       |          |        |
| 8) 2,6-Dimethylnaphthalene         | 0.000  |      | 0        | N.D.   |       |          |        |
| 11) Acenaphthylene                 | 9.521  | 152  | 86       | N.D.   |       |          |        |
| 12) Acenaphthene                   | 0.000  |      | 0        | N.D.   |       |          |        |
| 13) Dibenzofuran                   | 9.865  | 168  | 94       | N.D.   |       |          |        |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 51       | N.D.   |       |          |        |
| 15) Fluorene                       | 10.215 | 166  | 103      | N.D.   |       |          |        |
| 17) Dibenzothiopene                | 11.066 | 184  | 278      | N.D.   |       |          |        |
| 18) Phenanthrene                   | 11.188 | 178  | 313      | N.D.   |       |          |        |
| 19) Anthracene                     | 11.188 | 178  | 300      | N.D.   |       |          |        |
| 20) Carbazole                      | 11.398 | 167  | 106      | N.D.   |       |          |        |
| 21) 1-Methylphenanthrene           | 11.818 | 192  | 50       | N.D.   |       |          |        |
| 22) Fluoranthene                   | 12.459 | 202  | 59       | N.D.   |       |          |        |
| 24) Pyrene                         | 12.750 | 202  | 69       | N.D.   |       |          |        |
| 26) Benz(a)anthracene              | 14.942 | 228  | 504      | N.D.   |       |          |        |
| 27) Chrysene                       | 14.994 | 228  | 96       | N.D.   |       |          |        |
| 29) Benzo(b)fluoranthene           | 0.000  |      | 0        | N.D.   |       |          |        |
| 30) Benzo(k)fluoranthene           | 0.000  |      | 0        | N.D.   |       |          |        |
| 31) Benzo(b+k)fluoranthene         | 0.000  |      | 0        | N.D.   |       |          |        |
| 32) Benzo(e)pyrene                 | 18.410 | 252  | 471      | N.D.   |       |          |        |
| 33) Benzo(a)pyrene                 | 0.000  |      | 0        | N.D.   |       |          |        |
| 34) Perylene                       | 18.474 | 252  | 71       | N.D.   |       |          |        |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 97       | N.D.   |       |          |        |
| 37) Dibenz(a,h)anthracene          | 0.000  |      | 0        | N.D.   |       |          |        |
| 38) Benzo(g,h,i)perylene           | 0.000  |      | 0        | N.D.   |       |          |        |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
Data File : N04072012.D  
Acq On : 07 Apr 2020 17:07  
Operator : JK/ AMS/ DTH  
Sample : 0D07056-ICB1  
Misc : 1x, DCM+ISTD  
ALS Vial : 2 Sample Multiplier: 1  
DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:04 2020  
Quant Method : N:\methods\SV14\_040720\_PAH.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Wed Apr 08 09:40:52 2020  
Response via : Initial Calibration  
InstName : SV-GCMS14





Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072012.D  
 Acq On : 07 Apr 2020 17:07  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICB1  
 Misc : 1x, DCM+ISTD  
 ALS Vial : 2 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

*Final Request*

Quant Time: Apr 08 10:25:50 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 10:01:43 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

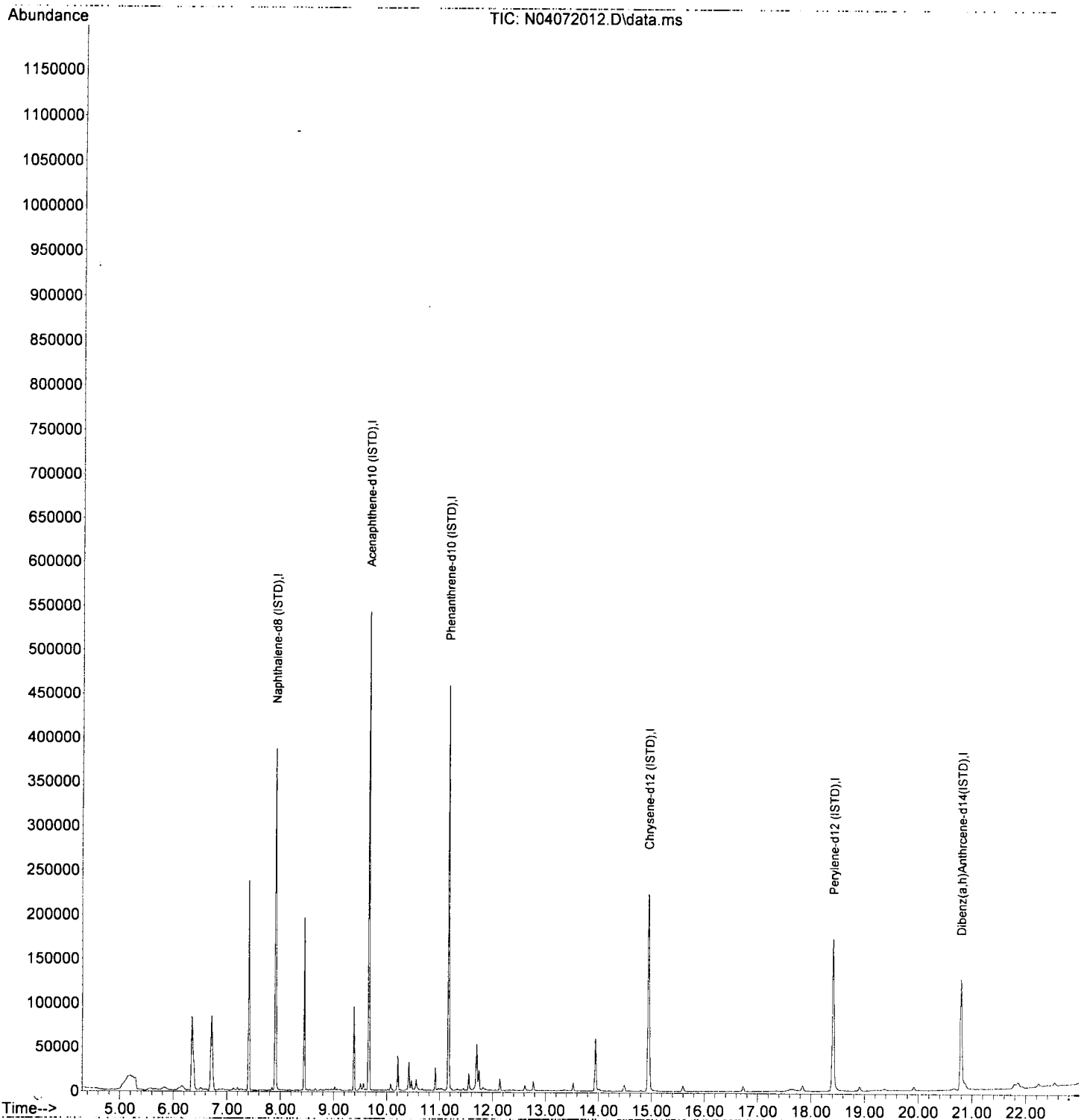
*MD 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 278751   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 161180   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 252730   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.942 | 240  | 175674   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 149144   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 126750   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.201  | 82   | 178      | 0.20   | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 248      | 0.10   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 284      | 0.17   | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 0.000  |      | 0        |        | N.D.  |          |        |
| 4) Naphthalene                     | 7.936  | 128  | 452      |        | N.D.  |          |        |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 80       |        | N.D.  |          |        |
| 6) 1-Methylnaphthalene             | 0.000  |      | 0        |        | N.D.  |          |        |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 289      |        | N.D.  |          |        |
| 8) 2,6-Dimethylnaphthalene         | 0.000  |      | 0        |        | N.D.  |          |        |
| 11) Acenaphthylene                 | 9.521  | 152  | 86       |        | N.D.  |          |        |
| 12) Acenaphthene                   | 0.000  |      | 0        |        | N.D.  |          |        |
| 13) Dibenzofuran                   | 9.865  | 168  | 94       |        | N.D.  |          |        |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 51       |        | N.D.  |          |        |
| 15) Fluorene                       | 10.215 | 166  | 103      |        | N.D.  |          |        |
| 17) Dibenzothiopene                | 11.066 | 184  | 278      |        | N.D.  |          |        |
| 18) Phenanthrene                   | 11.188 | 178  | 313      |        | N.D.  |          |        |
| 19) Anthracene                     | 11.188 | 178  | 300      |        | N.D.  |          |        |
| 20) Carbazole                      | 11.398 | 167  | 106      |        | N.D.  |          |        |
| 21) 1-Methylphenanthrene           | 11.818 | 192  | 50       |        | N.D.  |          |        |
| 22) Fluoranthene                   | 12.459 | 202  | 59       |        | N.D.  |          |        |
| 24) Pyrene                         | 12.750 | 202  | 69       |        | N.D.  |          |        |
| 26) Benz(a)anthracene              | 14.942 | 228  | 504      |        | N.D.  |          |        |
| 27) Chrysene                       | 14.994 | 228  | 96       |        | N.D.  |          |        |
| 29) Benzo(b)fluoranthene           | 0.000  |      | 0        |        | N.D.  |          |        |
| 30) Benzo(k)fluoranthene           | 0.000  |      | 0        |        | N.D.  |          |        |
| 31) Benzo(b+k)fluoranthene         | 0.000  |      | 0        |        | N.D.  |          |        |
| 32) Benzo(e)pyrene                 | 18.410 | 252  | 471      |        | N.D.  |          |        |
| 33) Benzo(a)pyrene                 | 0.000  |      | 0        |        | N.D.  |          |        |
| 34) Perylene                       | 18.474 | 252  | 71       |        | N.D.  |          |        |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 97       |        | N.D.  |          |        |
| 37) Dibenz(a,h)anthracene          | 0.000  |      | 0        |        | N.D.  |          |        |
| 38) Benzo(g,h,i)perylene           | 0.000  |      | 0        |        | N.D.  |          |        |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
Data File : N04072012.D  
Acq On : 07 Apr 2020 17:07  
Operator : JK/ AMS/ DTH  
Sample : 0D07056-ICB1  
Misc : 1x, DCM+ISTD  
ALS Vial : 2 Sample Multiplier: 1  
DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 10:25:50 2020  
Quant Method : N:\methods\SV14\_040720\_PAH.M  
Quant Title : EPA 8270D: Semivolatile Organics  
QLast Update : Wed Apr 08 10:01:43 2020  
Response via : Initial Calibration  
InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072013.D  
 Acq On : 07 Apr 2020 17:38  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL1  
 Misc : 1x, A20C467@1PPB  
 ALS Vial : 3 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:13 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

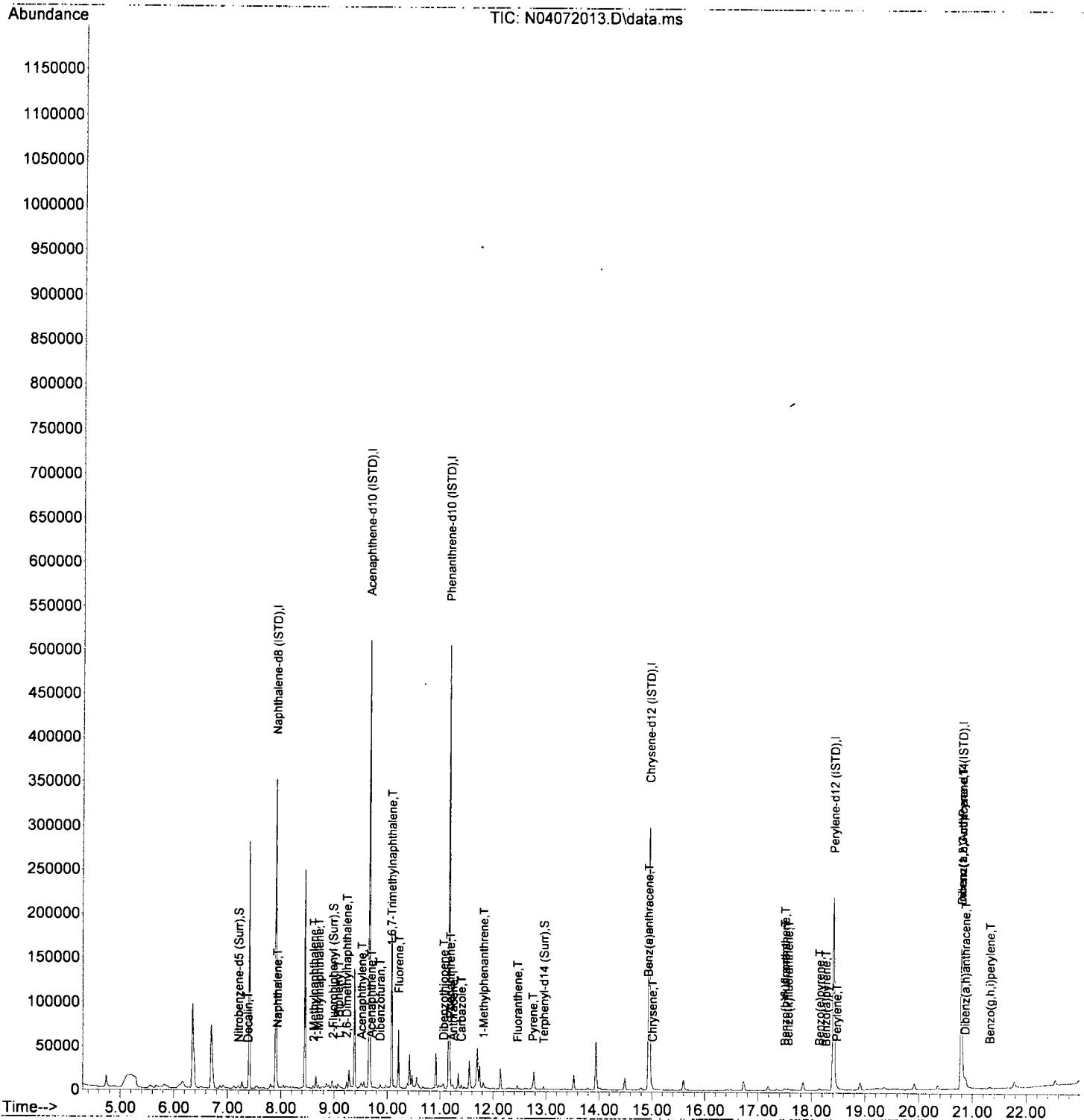
*JK 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 243074   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 149679   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 271576   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.947 | 240  | 224745   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 189170   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 160677   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 840      | 1.54   | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 2174     | 0.85   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 2235     | 1.05   | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 130      | 0.74   | ng/ml |          | 85     |
| 4) Naphthalene                     | 7.930  | 128  | 2892     | 1.10   | ng/ml |          | 97     |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 1659     | 0.99   | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 1756     | 1.10   | ng/ml |          | 94     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 2427     | 1.13   | ng/ml |          | 93     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 1477     | 1.10   | ng/ml |          | 95     |
| 11) Acenaphthylene                 | 9.515  | 152  | 2466     | 0.95   | ng/ml |          | 96     |
| 12) Acenaphthene                   | 9.696  | 153  | 2085     | 1.07   | ng/ml |          | 97     |
| 13) Dibenzofuran                   | 9.865  | 168  | 2370     | 0.85   | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 1667     | 1.01   | ng/ml |          | 71     |
| 15) Fluorene                       | 10.215 | 166  | 2108     | 1.11   | ng/ml |          | 94     |
| 17) Dibenzothiopene                | 11.060 | 184  | 2936     | 1.07   | ng/ml |          | 96     |
| 18) Phenanthrene                   | 11.188 | 178  | 3463     | 1.12   | ng/ml |          | 98     |
| 19) Anthracene                     | 11.240 | 178  | 2627     | 1.03   | ng/ml |          | 95     |
| 20) Carbazole                      | 11.398 | 167  | 2085     | 0.98   | ng/ml |          | 95     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 1983     | 0.99   | ng/ml |          | 94     |
| 22) Fluoranthene                   | 12.459 | 202  | 2793     | 0.97   | ng/ml |          | 100    |
| 24) Pyrene                         | 12.750 | 202  | 2915     | 1.07   | ng/ml |          | 96     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 2758     | 1.22   | ng/ml |          | 95     |
| 27) Chrysene                       | 15.006 | 228  | 2483     | 1.04   | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.500 | 252  | 1958     | 1.00   | ng/ml |          | 94     |
| 30) Benzo(k)fluoranthene           | 17.564 | 252  | 1851     | 0.93   | ng/ml |          | 88     |
| 31) Benzo(b+k)fluoranthene         | 17.500 | 252  | 3809     | 1.84   | ng/ml |          | 92     |
| 32) Benzo(e)pyrene                 | 18.147 | 252  | 1806     | 0.90   | ng/ml |          | 96     |
| 33) Benzo(a)pyrene                 | 18.264 | 252  | 1158     | 1.01   | ng/ml |          | 93     |
| 34) Perylene                       | 18.468 | 252  | 1518     | 0.72   | ng/ml |          | 96     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 1652     | 0.93   | ng/ml |          | 83     |
| 37) Dibenz(a,h)anthracene          | 20.858 | 278  | 1657     | 0.88   | ng/ml |          | 81     |
| 38) Benzo(g,h,i)perylene           | 21.318 | 276  | 1550     | 0.81   | ng/ml |          | 78     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072013.D  
 Acq On : 07 Apr 2020 17:38  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL1  
 Misc : 1x, A20C467@1PPB  
 ALS Vial : 3 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:13 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072014.D  
 Acq On : 07 Apr 2020 18:10  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL2  
 Misc : 1x, A20C468@2PPB  
 ALS Vial : 4 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:17 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*JK 4/8/20*

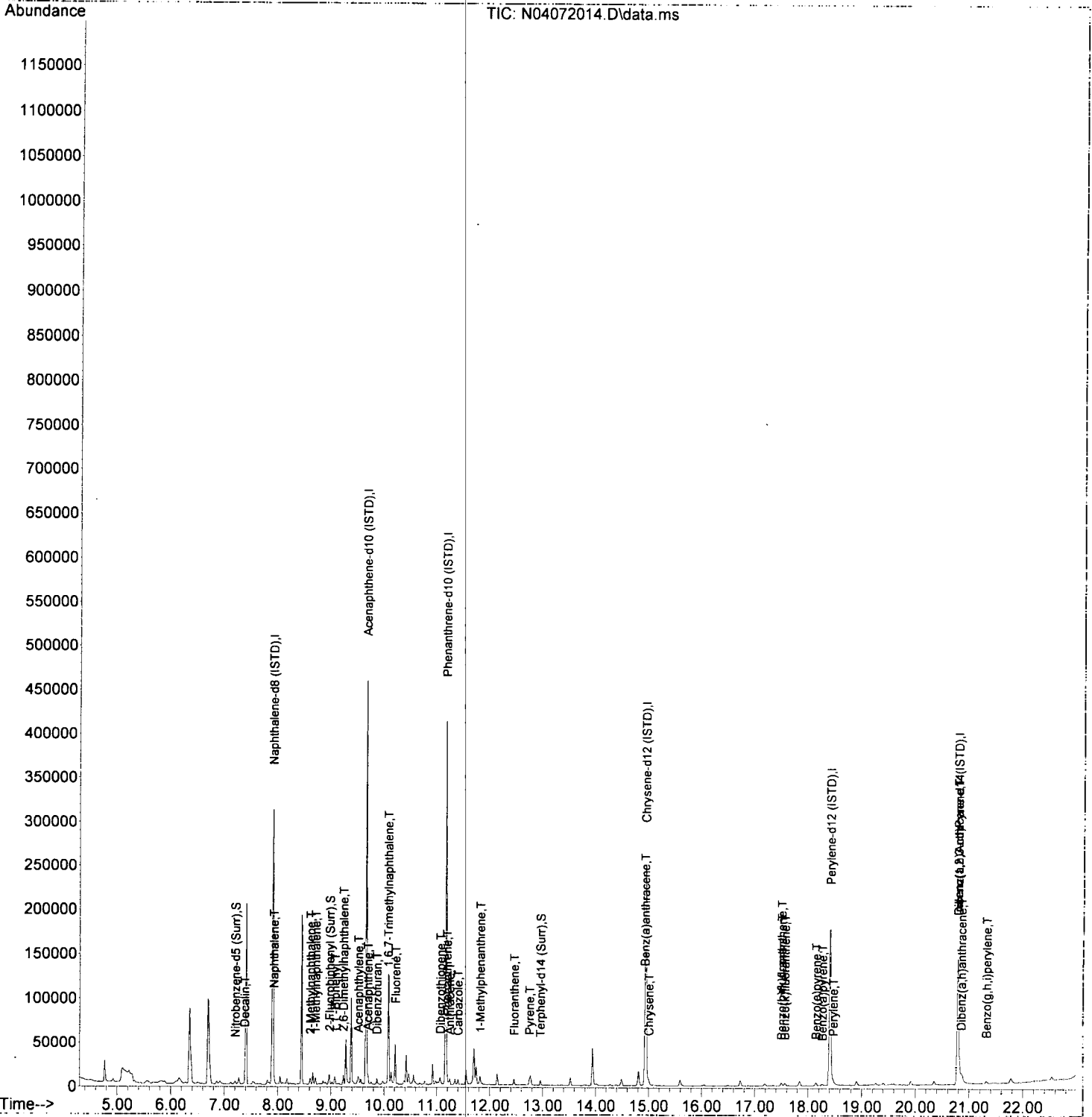
| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 243705   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 135566   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 223200   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.942 | 240  | 187464   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 158010   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 141496   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 1542     | 2.82   | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 4191     | 1.81   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 3444     | 1.94   | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 340      | 1.93   | ng/ml |          | 94     |
| 4) Naphthalene                     | 7.924  | 128  | 5600     | 2.13   | ng/ml |          | 97     |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 3410     | 2.04   | ng/ml |          | 96     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 3462     | 2.16   | ng/ml |          | 95     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 4239     | 1.96   | ng/ml |          | 96     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 2853     | 2.11   | ng/ml |          | 97     |
| 11) Acenaphthylene                 | 9.515  | 152  | 4668     | 1.98   | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 3799     | 2.14   | ng/ml |          | 97     |
| 13) Dibenzofuran                   | 9.865  | 168  | 4370     | 1.72   | ng/ml |          | 94     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 2754     | 1.85   | ng/ml |          | 82     |
| 15) Fluorene                       | 10.215 | 166  | 3434     | 2.00   | ng/ml |          | 96     |
| 17) Dibenzothiopene                | 11.060 | 184  | 4432     | 1.97   | ng/ml |          | 96     |
| 18) Phenanthrene                   | 11.188 | 178  | 5324     | 2.10   | ng/ml |          | 99     |
| 19) Anthracene                     | 11.240 | 178  | 3785     | 1.81   | ng/ml |          | 98     |
| 20) Carbazole                      | 11.398 | 167  | 3308     | 1.90   | ng/ml |          | 96     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 3257     | 1.97   | ng/ml |          | 99     |
| 22) Fluoranthene                   | 12.459 | 202  | 4694     | 1.97   | ng/ml |          | 97     |
| 24) Pyrene                         | 12.750 | 202  | 4749     | 2.10   | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 4134     | 2.18   | ng/ml |          | 95     |
| 27) Chrysene                       | 15.000 | 228  | 4350     | 2.18   | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.500 | 252  | 3031     | 1.86   | ng/ml |          | 95     |
| 30) Benzo(k)fluoranthene           | 17.564 | 252  | 2864     | 1.71   | ng/ml |          | 91     |
| 31) Benzo(b+k)fluoranthene         | 17.500 | 252  | 6349     | 3.66   | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.147 | 252  | 3379     | 2.01   | ng/ml |          | 92     |
| 33) Benzo(a)pyrene                 | 18.264 | 252  | 2009     | 1.85   | ng/ml |          | 98     |
| 34) Perylene                       | 18.468 | 252  | 2648     | 1.49   | ng/ml |          | 98     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 2847     | 1.81   | ng/ml |          | 95     |
| 37) Dibenz(a,h)anthracene          | 20.852 | 278  | 2764     | 1.66   | ng/ml |          | 84     |
| 38) Benzo(g,h,i)perylene           | 21.318 | 276  | 2738     | 1.62   | ng/ml |          | 80     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072014.D  
 Acq On : 07 Apr 2020 18:10  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL2  
 Misc : 1x, A20C468@2PPB  
 ALS Vial : 4 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:17 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072015.D  
 Acq On : 07 Apr 2020 18:42  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL3  
 Misc : 1x, A20C469@5PPB  
 ALS Vial : 5 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:21 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

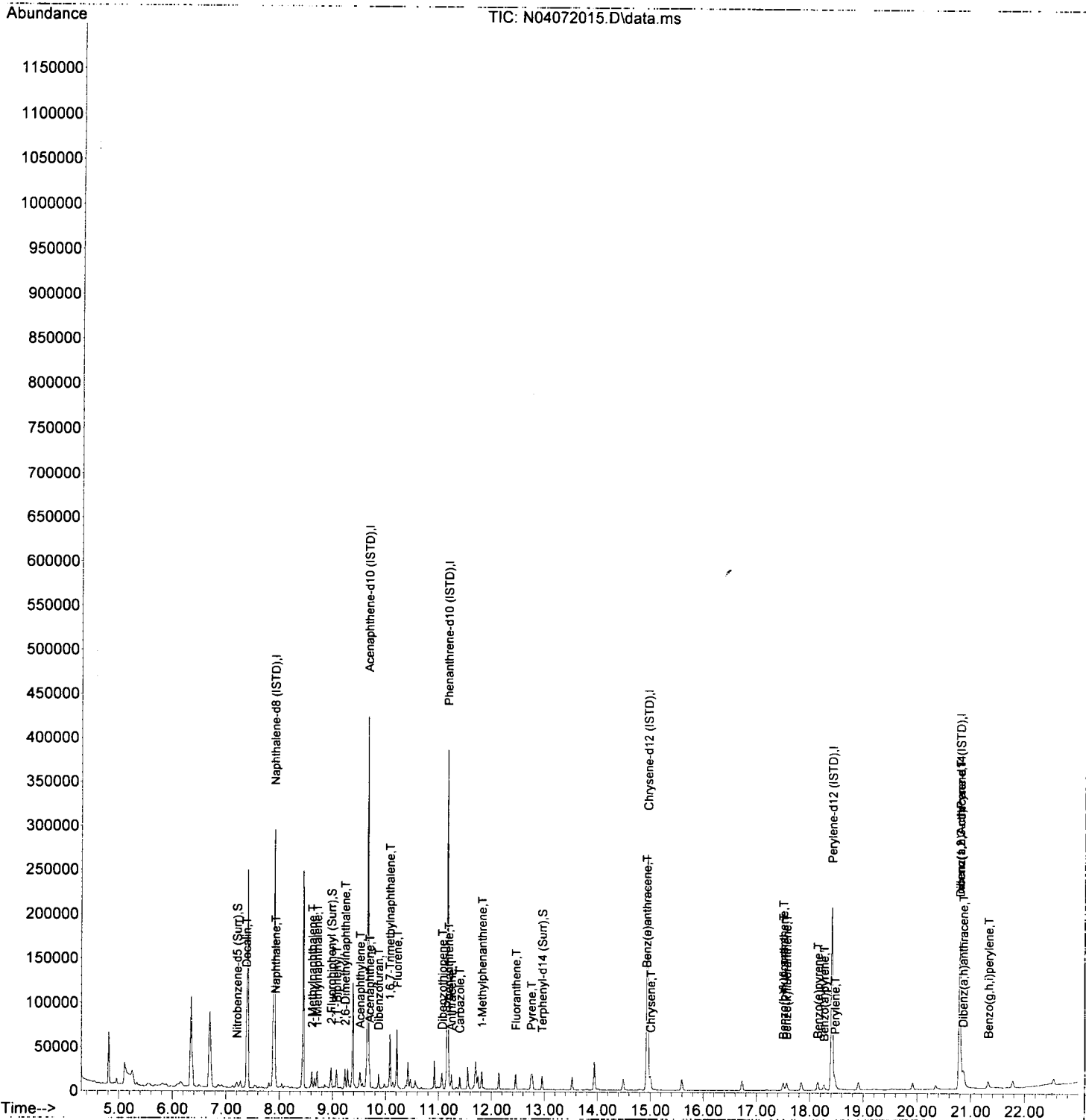
*9/2 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 254846   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 131499   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 216520   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.947 | 240  | 206205   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 181653   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 160102   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 4141     | 7.25   | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 10979    | 4.88   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 9709     | 4.96   | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 1190     | 6.44   | ng/ml |          | 96     |
| 4) Naphthalene                     | 7.924  | 128  | 14431    | 5.25   | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 9092     | 5.20   | ng/ml |          | 96     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 8964     | 5.36   | ng/ml |          | 95     |
| 7) 1,1'-Biphenyl                   | 9.072  | 154  | 10903    | 4.83   | ng/ml |          | 98     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 7289     | 5.16   | ng/ml |          | 98     |
| 11) Acenaphthylene                 | 9.515  | 152  | 11532    | 5.05   | ng/ml |          | 97     |
| 12) Acenaphthene                   | 9.696  | 153  | 9358     | 5.45   | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.865  | 168  | 10882    | 4.42   | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 6797     | 4.71   | ng/ml |          | 100    |
| 15) Fluorene                       | 10.215 | 166  | 8294     | 4.97   | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.066 | 184  | 10769    | 4.94   | ng/ml |          | 96     |
| 18) Phenanthrene                   | 11.188 | 178  | 13195    | 5.37   | ng/ml |          | 98     |
| 19) Anthracene                     | 11.240 | 178  | 9521     | 4.68   | ng/ml |          | 99     |
| 20) Carbazole                      | 11.398 | 167  | 8731     | 5.17   | ng/ml |          | 97     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 8102     | 5.06   | ng/ml |          | 98     |
| 22) Fluoranthene                   | 12.459 | 202  | 11760    | 5.10   | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 12228    | 4.91   | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 10093    | 4.85   | ng/ml |          | 98     |
| 27) Chrysene                       | 15.006 | 228  | 11149    | 5.09   | ng/ml |          | 97     |
| 29) Benzo(b)fluoranthene           | 17.500 | 252  | 8620     | 4.59   | ng/ml |          | 92     |
| 30) Benzo(k)fluoranthene           | 17.564 | 252  | 8275     | 4.31   | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.500 | 252  | 18526    | 9.30   | ng/ml |          | 90     |
| 32) Benzo(e)pyrene                 | 18.147 | 252  | 9139     | 4.73   | ng/ml |          | 97     |
| 33) Benzo(a)pyrene                 | 18.264 | 252  | 5994     | 4.43   | ng/ml |          | 94     |
| 34) Perylene                       | 18.468 | 252  | 8831     | 4.33   | ng/ml |          | 97     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 8244     | 4.64   | ng/ml |          | 86     |
| 37) Dibenz(a,h)anthracene          | 20.852 | 278  | 8753     | 4.64   | ng/ml |          | 85     |
| 38) Benzo(g,h,i)perylene           | 21.324 | 276  | 8418     | 4.41   | ng/ml |          | 84     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072015.D  
 Acq On : 07 Apr 2020 18:42  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL3  
 Misc : 1x, A20C469@5PPB  
 ALS Vial : 5 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:21 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14





Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072016.D  
 Acq On : 07 Apr 2020 19:28  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL4  
 Misc : 1x, A20C470@10PPB  
 ALS Vial : 6 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:25 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

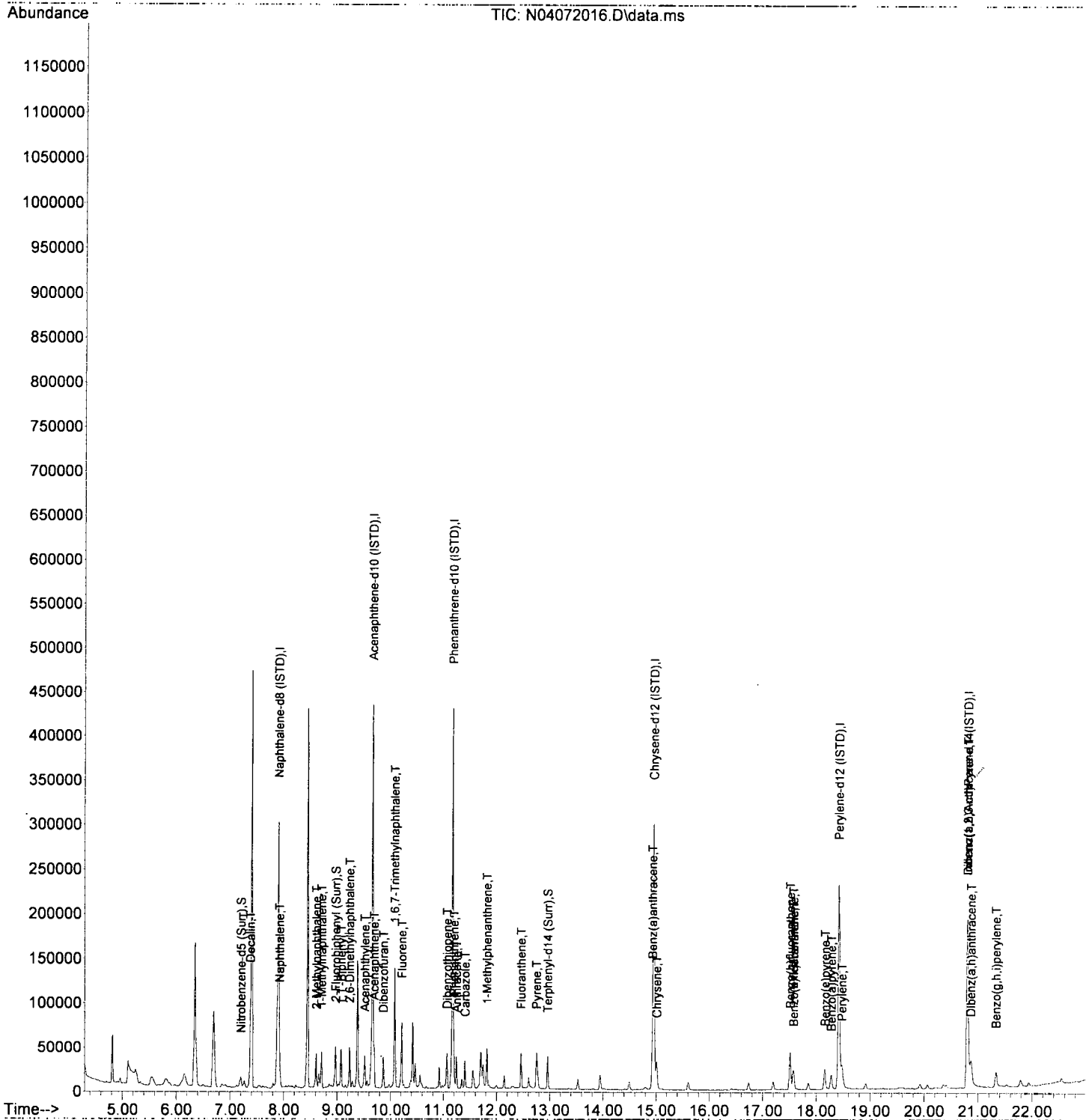
*Handwritten:* Jd 4/8/20

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.907  | 136  | 270985   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 140702   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.171 | 188  | 243789   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.953 | 240  | 224123   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.416 | 264  | 205793   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.799 | 292  | 175208   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 7904     | 13.02  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 22576    | 9.39   | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 22061    | 10.37  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 2225     | 11.33  | ng/ml |          | 85     |
| 4) Naphthalene                     | 7.924  | 128  | 29903    | 10.23  | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 19067    | 10.25  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 19186    | 10.78  | ng/ml |          | 95     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 24176    | 10.07  | ng/ml |          | 98     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 15846    | 10.55  | ng/ml |          | 95     |
| 11) Acenaphthylene                 | 9.521  | 152  | 25120    | 10.28  | ng/ml |          | 97     |
| 12) Acenaphthene                   | 9.696  | 153  | 19684    | 10.71  | ng/ml |          | 98     |
| 13) Dibenzofuran                   | 9.871  | 168  | 23912    | 9.08   | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.081 | 170  | 14575    | 9.44   | ng/ml |          | 98     |
| 15) Fluorene                       | 10.215 | 166  | 18241    | 10.21  | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.066 | 184  | 24599    | 10.03  | ng/ml |          | 95     |
| 18) Phenanthrene                   | 11.194 | 178  | 28266    | 10.22  | ng/ml |          | 100    |
| 19) Anthracene                     | 11.246 | 178  | 22111    | 9.66   | ng/ml |          | 100    |
| 20) Carbazole                      | 11.404 | 167  | 20204    | 10.62  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene           | 11.818 | 192  | 18661    | 10.35  | ng/ml |          | 97     |
| 22) Fluoranthene                   | 12.459 | 202  | 27227    | 10.48  | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 28915    | 10.69  | ng/ml |          | 98     |
| 26) Benz(a)anthracene              | 14.930 | 228  | 21888    | 9.67   | ng/ml |          | 98     |
| 27) Chrysene                       | 15.012 | 228  | 23333    | 9.79   | ng/ml |          | 100    |
| 29) Benzo(b)fluoranthene           | 17.512 | 252  | 20389    | 9.58   | ng/ml |          | 92     |
| 30) Benzo(k)fluoranthene           | 17.576 | 252  | 20616    | 9.48   | ng/ml |          | 92     |
| 31) Benzo(b+k)fluoranthene         | 17.576 | 252  | 44218    | 19.60  | ng/ml |          | 92     |
| 32) Benzo(e)pyrene                 | 18.159 | 252  | 21685    | 9.91   | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.276 | 252  | 15453    | 9.75   | ng/ml |          | 96     |
| 34) Perylene                       | 18.474 | 252  | 22348    | 9.68   | ng/ml |          | 99     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.799 | 276  | 18462    | 9.49   | ng/ml |          | 83     |
| 37) Dibenz(a,h)anthracene          | 20.864 | 278  | 18337    | 8.89   | ng/ml |          | 85     |
| 38) Benzo(g,h,i)perylene           | 21.330 | 276  | 18938    | 9.07   | ng/ml |          | 84     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072016.D  
 Acq On : 07 Apr 2020 19:28  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL4  
 Misc : 1x, A20C470@10PPB  
 ALS Vial : 6 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:25 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072017.D  
 Acq On : 07 Apr 2020 20:00  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL5  
 Misc : 1x, A20C471@20PPB  
 ALS Vial : 7 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:30 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

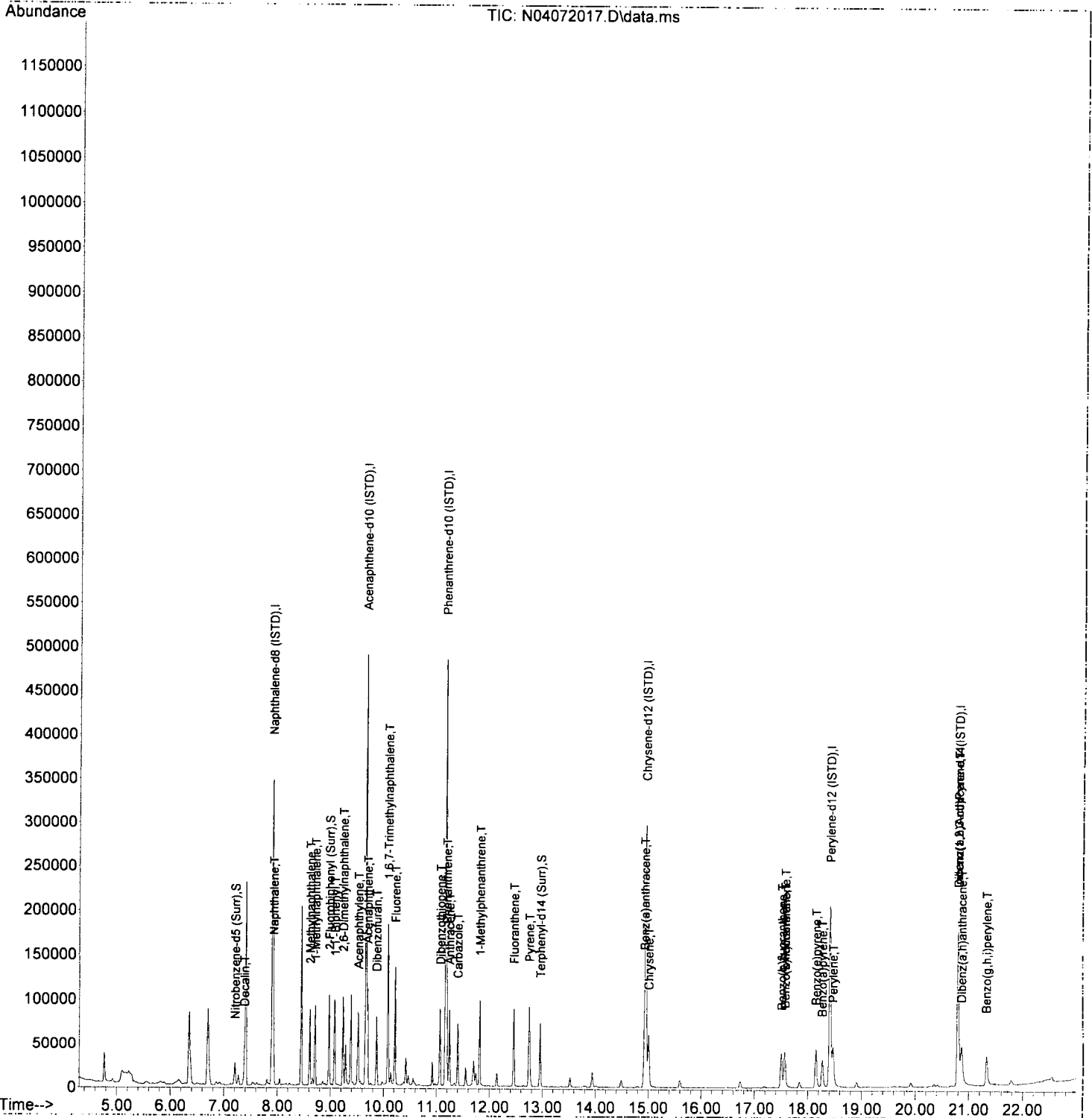
*9/27/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 258751   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 148424   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 266029   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.947 | 240  | 214808   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 187485   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.794 | 292  | 149877   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 15766    | 27.20  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 46527    | 18.34  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 43811    | 21.48  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 3947     | 21.05  | ng/ml |          | 88     |
| 4) Naphthalene                     | 7.924  | 128  | 57019    | 20.43  | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 37992    | 21.38  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 38641    | 22.75  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 49046    | 21.39  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 33645    | 23.45  | ng/ml |          | 95     |
| 11) Acenaphthylene                 | 9.521  | 152  | 55074    | 21.36  | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 41060    | 21.17  | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.865  | 168  | 50939    | 18.34  | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.081 | 170  | 33116    | 20.32  | ng/ml |          | 97     |
| 15) Fluorene                       | 10.215 | 166  | 39965    | 21.21  | ng/ml |          | 99     |
| 17) Dibenzothiopene                | 11.066 | 184  | 54876    | 20.51  | ng/ml |          | 95     |
| 18) Phenanthrene                   | 11.188 | 178  | 61279    | 20.30  | ng/ml |          | 100    |
| 19) Anthracene                     | 11.240 | 178  | 51771    | 20.73  | ng/ml |          | 100    |
| 20) Carbazole                      | 11.398 | 167  | 44104    | 21.24  | ng/ml |          | 99     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 41436    | 21.06  | ng/ml |          | 100    |
| 22) Fluoranthene                   | 12.459 | 202  | 58425    | 20.61  | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 61609    | 23.77  | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 41414    | 19.09  | ng/ml |          | 100    |
| 27) Chrysene                       | 15.006 | 228  | 46060    | 20.17  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.506 | 252  | 37506    | 19.35  | ng/ml |          | 94     |
| 30) Benzo(k)fluoranthene           | 17.570 | 252  | 38178    | 19.27  | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.570 | 252  | 81846    | 39.81  | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.153 | 252  | 41095    | 20.61  | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.270 | 252  | 29191    | 19.83  | ng/ml |          | 96     |
| 34) Perylene                       | 18.468 | 252  | 41934    | 19.94  | ng/ml |          | 98     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.794 | 276  | 32482    | 19.53  | ng/ml |          | 81     |
| 37) Dibenz(a,h)anthracene          | 20.858 | 278  | 32488    | 18.41  | ng/ml |          | 85     |
| 38) Benzo(g,h,i)perylene           | 21.324 | 276  | 34943    | 19.56  | ng/ml |          | 81     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072017.D  
 Acq On : 07 Apr 2020 20:00  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL5  
 Misc : 1x, A20C471@20PPB  
 ALS Vial : 7 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:30 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072018.D  
 Acq On : 07 Apr 2020 20:32  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL6  
 Misc : 1x, A20C472@50PPB  
 ALS Vial : 8 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:35 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M.  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*Qd 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 265079   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 146492   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 242013   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.947 | 240  | 238949   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.410 | 264  | 233103   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.794 | 292  | 190743   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 40026    | 67.41  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 113161   | 45.19  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 115369   | 50.86  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 9951     | 51.81  | ng/ml |          | 86     |
| 4) Naphthalene                     | 7.924  | 128  | 140541   | 49.16  | ng/ml |          | 99     |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 97673    | 53.66  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 97197    | 55.85  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 121079   | 51.55  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 83485    | 56.81  | ng/ml |          | 96     |
| 11) Acenaphthylene                 | 9.515  | 152  | 141318   | 55.54  | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 100491   | 52.49  | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.865  | 168  | 120846   | 44.07  | ng/ml |          | 96     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.080 | 170  | 77695    | 48.31  | ng/ml |          | 97     |
| 15) Fluorene                       | 10.215 | 166  | 94350    | 50.73  | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.066 | 184  | 124022   | 50.95  | ng/ml |          | 94     |
| 18) Phenanthrene                   | 11.188 | 178  | 137147   | 49.93  | ng/ml |          | 99     |
| 19) Anthracene                     | 11.240 | 178  | 115187   | 50.70  | ng/ml |          | 99     |
| 20) Carbazole                      | 11.398 | 167  | 103743   | 54.92  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 96368    | 53.84  | ng/ml |          | 98     |
| 22) Fluoranthene                   | 12.459 | 202  | 138576   | 53.73  | ng/ml |          | 97     |
| 24) Pyrene                         | 12.750 | 202  | 148125   | 51.37  | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 118477   | 49.10  | ng/ml |          | 99     |
| 27) Chrysene                       | 15.006 | 228  | 126277   | 49.72  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.506 | 252  | 116347   | 48.29  | ng/ml |          | 94     |
| 30) Benzo(k)fluoranthene           | 17.570 | 252  | 120385   | 48.86  | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.570 | 252  | 249964   | 97.80  | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.153 | 252  | 121997   | 49.20  | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.270 | 252  | 102540   | 54.26  | ng/ml |          | 96     |
| 34) Perylene                       | 18.474 | 252  | 140321   | 53.68  | ng/ml |          | 100    |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.794 | 276  | 102100   | 48.23  | ng/ml |          | 80     |
| 37) Dibenz(a,h)anthracene          | 20.858 | 278  | 104317   | 46.46  | ng/ml |          | 84     |
| 38) Benzo(g,h,i)perylene           | 21.324 | 276  | 113428   | 49.88  | ng/ml |          | 83     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072019.D  
 Acq On : 07 Apr 2020 21:04  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL7  
 Misc : 1x, A20C473@100PPB  
 ALS Vial : 9 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:39 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*JK 4/8/20*

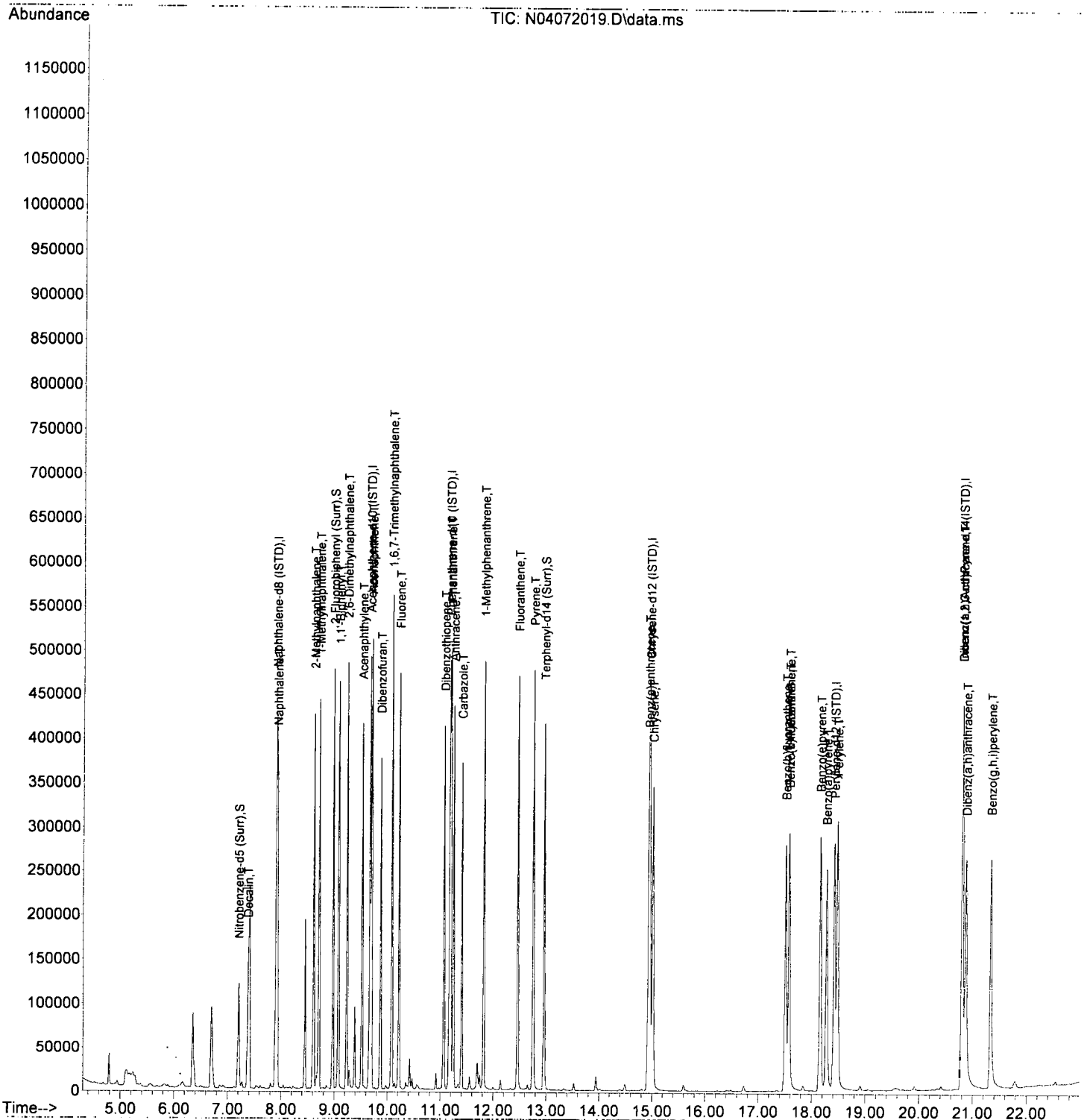
| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 270936   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 147420   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 265984   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.947 | 240  | 263757   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.415 | 264  | 248613   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.794 | 292  | 201252   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 80657    | 132.90 | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 225961   | 89.66  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 247933   | 99.02  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 20917    | 106.56 | ng/ml |          | 88     |
| 4) Naphthalene                     | 7.924  | 128  | 278907   | 95.46  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 195774   | 105.24 | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 191985   | 107.92 | ng/ml |          | 96     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 238654   | 99.42  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 170143   | 113.27 | ng/ml |          | 97     |
| 11) Acenaphthylene                 | 9.515  | 152  | 287167   | 112.15 | ng/ml |          | 100    |
| 12) Acenaphthene                   | 9.696  | 153  | 199310   | 103.46 | ng/ml |          | 100    |
| 13) Dibenzofuran                   | 9.865  | 168  | 244430   | 88.59  | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 160492   | 99.16  | ng/ml |          | 98     |
| 15) Fluorene                       | 10.215 | 166  | 191718   | 102.43 | ng/ml |          | 99     |
| 17) Dibenzothiopene                | 11.066 | 184  | 259859   | 97.13  | ng/ml |          | 94     |
| 18) Phenanthrene                   | 11.188 | 178  | 288254   | 95.49  | ng/ml |          | 100    |
| 19) Anthracene                     | 11.240 | 178  | 257805   | 103.25 | ng/ml |          | 99     |
| 20) Carbazole                      | 11.398 | 167  | 228806   | 110.20 | ng/ml |          | 99     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 210395   | 106.94 | ng/ml |          | 99     |
| 22) Fluoranthene                   | 12.459 | 202  | 308063   | 108.68 | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 328255   | 103.12 | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.924 | 228  | 257406   | 96.63  | ng/ml |          | 100    |
| 27) Chrysene                       | 15.006 | 228  | 272605   | 97.23  | ng/ml |          | 100    |
| 29) Benzo(b)fluoranthene           | 17.506 | 252  | 253202   | 98.53  | ng/ml |          | 93     |
| 30) Benzo(k)fluoranthene           | 17.570 | 252  | 270754   | 103.03 | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.570 | 252  | 548680   | 201.28 | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.153 | 252  | 267193   | 101.04 | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.270 | 252  | 227825   | 108.62 | ng/ml |          | 97     |
| 34) Perylene                       | 18.474 | 252  | 293633   | 105.31 | ng/ml |          | 99     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.794 | 276  | 215605   | 96.53  | ng/ml |          | 81     |
| 37) Dibenz(a,h)anthracene          | 20.863 | 278  | 220763   | 93.19  | ng/ml |          | 83     |
| 38) Benzo(g,h,i)perylene           | 21.330 | 276  | 246409   | 102.70 | ng/ml |          | 81     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072019.D  
 Acq On : 07 Apr 2020 21:04  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL7  
 Misc : 1x, A20C473@100PPB  
 ALS Vial : 9 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:39 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14





Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072020.D  
 Acq On : 07 Apr 2020 21:36  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL8  
 Misc : 1x, A20C474@200PPB  
 ALS Vial : 10 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:44 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*JK 4/8/20*

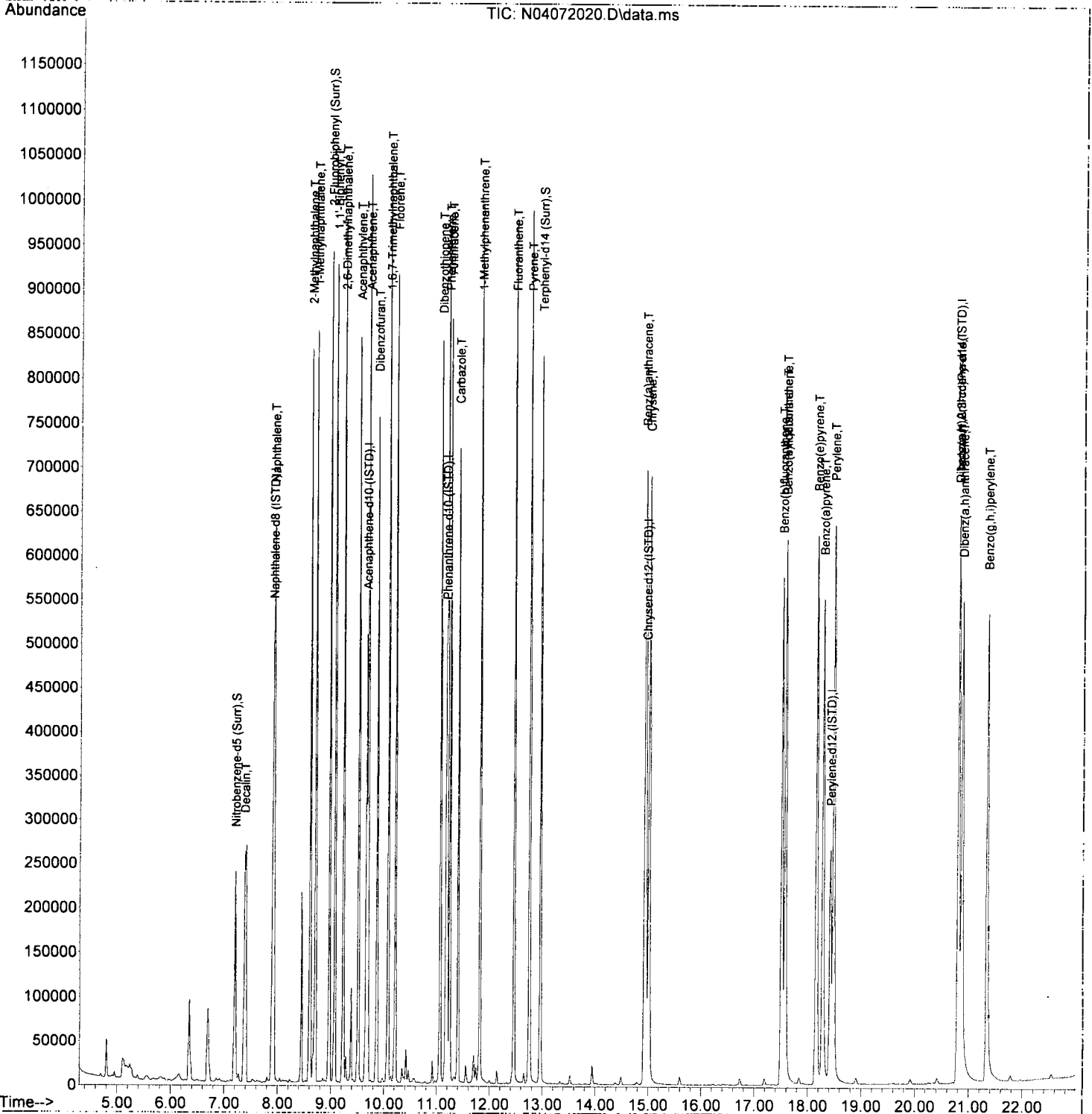
| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 259002   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 149753   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 262815   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.953 | 240  | 256376   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.415 | 264  | 246957   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.793 | 292  | 201443   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 159557   | 275.03 | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 456518   | 178.37 | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 497857   | 204.56 | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 39266    | 209.25 | ng/ml |          | 88     |
| 4) Naphthalene                     | 7.924  | 128  | 543013   | 194.41 | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 396823   | 223.13 | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 381343   | 224.25 | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 486099   | 211.83 | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 349071   | 243.10 | ng/ml |          | 96     |
| 11) Acenaphthylene                 | 9.521  | 152  | 596158   | 229.20 | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 400273   | 204.93 | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.865  | 168  | 496566   | 177.16 | ng/ml |          | 96     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.080 | 170  | 326170   | 198.38 | ng/ml |          | 98     |
| 15) Fluorene                       | 10.214 | 166  | 396773   | 208.68 | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.065 | 184  | 533586   | 201.84 | ng/ml |          | 94     |
| 18) Phenanthrene                   | 11.194 | 178  | 586910   | 196.76 | ng/ml |          | 100    |
| 19) Anthracene                     | 11.240 | 178  | 524623   | 212.65 | ng/ml |          | 99     |
| 20) Carbazole                      | 11.398 | 167  | 458445   | 223.47 | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 429423   | 220.91 | ng/ml |          | 99     |
| 22) Fluoranthene                   | 12.458 | 202  | 643616   | 229.79 | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 678143   | 219.17 | ng/ml |          | 100    |
| 26) Benz(a)anthracene              | 14.930 | 228  | 526616   | 203.39 | ng/ml |          | 100    |
| 27) Chrysene                       | 15.011 | 228  | 537553   | 197.25 | ng/ml |          | 100    |
| 29) Benzo(b)fluoranthene           | 17.506 | 252  | 536283   | 210.08 | ng/ml |          | 93     |
| 30) Benzo(k)fluoranthene           | 17.576 | 252  | 553475   | 212.03 | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.576 | 252  | 1132360  | 418.18 | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.159 | 252  | 561080   | 213.59 | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.275 | 252  | 480916   | 214.97 | ng/ml |          | 97     |
| 34) Perylene                       | 18.479 | 252  | 593049   | 214.13 | ng/ml |          | 100    |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.799 | 276  | 452810   | 202.54 | ng/ml |          | 80     |
| 37) Dibenz(a,h)anthracene          | 20.863 | 278  | 454575   | 191.70 | ng/ml |          | 84     |
| 38) Benzo(g,h,i)perylene           | 21.336 | 276  | 512635   | 213.45 | ng/ml |          | 82     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072020.D  
 Acq On : 07 Apr 2020 21:36  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL8  
 Misc : 1x, A20C474@200PPB  
 ALS Vial : 10 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:44 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072021.D  
 Acq On : 07 Apr 2020 22:08  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL9  
 Misc : 1x, A20C475@400PPB  
 ALS Vial : 11 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:49 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

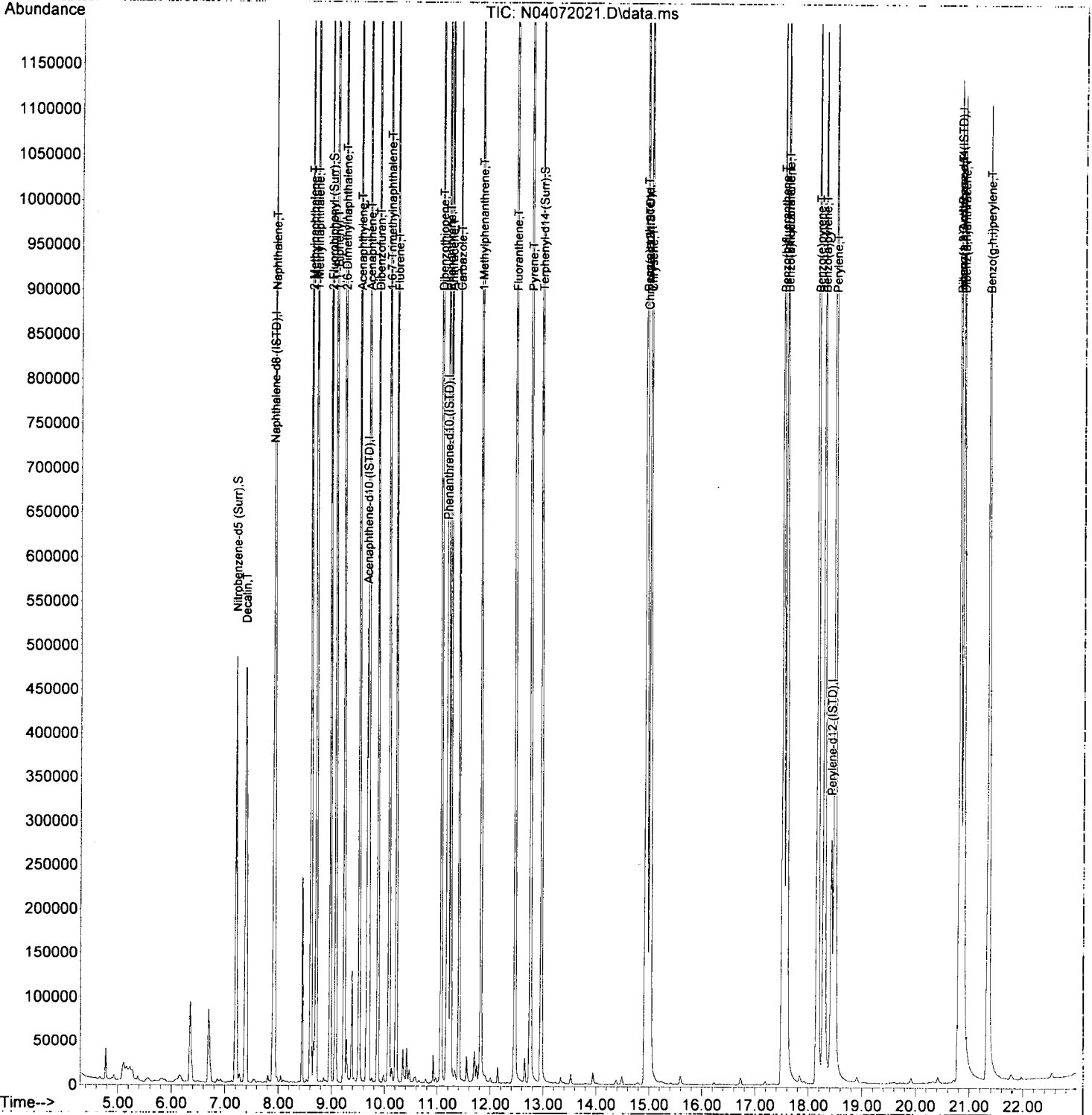
*Jd 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.906  | 136  | 255231   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 154741   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.171 | 188  | 286145   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.953 | 240  | 283021   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.416 | 264  | 267480   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.805 | 292  | 206453   | 100.00 | ng/ml | 0.01     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 322003   | 563.23 | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 957543   | 361.97 | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 1096177  | 408.00 | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 81440    | 440.41 | ng/ml |          | 87     |
| 4) Naphthalene                     | 7.924  | 128  | 1070767  | 389.02 | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 803600   | 458.54 | ng/ml |          | 98     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 778825   | 464.76 | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 1003410  | 443.73 | ng/ml |          | 96     |
| 8) 2,6-Dimethylnaphthalene         | 9.235  | 156  | 726355   | 513.32 | ng/ml |          | 98     |
| 11) Acenaphthylene                 | 9.521  | 152  | 1260795  | 469.09 | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 824563   | 407.76 | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.871  | 168  | 1049059  | 362.21 | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.081 | 170  | 693935   | 408.46 | ng/ml |          | 100    |
| 15) Fluorene                       | 10.220 | 166  | 846234   | 430.71 | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.066 | 184  | 1150026  | 399.56 | ng/ml |          | 95     |
| 18) Phenanthrene                   | 11.194 | 178  | 1246717  | 383.88 | ng/ml |          | 100    |
| 19) Anthracene                     | 11.246 | 178  | 1164250  | 433.45 | ng/ml |          | 99     |
| 20) Carbazole                      | 11.404 | 167  | 979119   | 438.35 | ng/ml |          | 99     |
| 21) 1-Methylphenanthrene           | 11.817 | 192  | 947023   | 447.45 | ng/ml |          | 99     |
| 22) Fluoranthene                   | 12.464 | 202  | 1439355  | 472.00 | ng/ml |          | 96     |
| 24) Pyrene                         | 12.756 | 202  | 1513534  | 443.12 | ng/ml |          | 99     |
| 26) Benz(a)anthracene              | 14.936 | 228  | 1207333  | 422.40 | ng/ml |          | 99     |
| 27) Chrysene                       | 15.017 | 228  | 1174861  | 390.53 | ng/ml |          | 100    |
| 29) Benzo(b)fluoranthene           | 17.518 | 252  | 1217211  | 440.24 | ng/ml |          | 93     |
| 30) Benzo(k)fluoranthene           | 17.588 | 252  | 1218167  | 430.86 | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.588 | 252  | 2523866  | 860.55 | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.171 | 252  | 1258723  | 442.41 | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.287 | 252  | 1069564  | 395.70 | ng/ml |          | 96     |
| 34) Perylene                       | 18.491 | 252  | 1303992  | 434.70 | ng/ml |          | 100    |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.811 | 276  | 964615   | 421.00 | ng/ml |          | 80     |
| 37) Dibenz(a,h)anthracene          | 20.875 | 278  | 991281   | 407.89 | ng/ml |          | 83     |
| 38) Benzo(g,h,i)perylene           | 21.347 | 276  | 1102019  | 447.72 | ng/ml |          | 81     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072021.D  
 Acq On : 07 Apr 2020 22:08  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CAL9  
 Misc : 1x, A20C475@400PPB  
 ALS Vial : 11 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:49 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072022.D  
 Acq On : 07 Apr 2020 22:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CALA  
 Misc : 1x, A20C476@600PPB  
 ALS Vial : 12 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:53 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

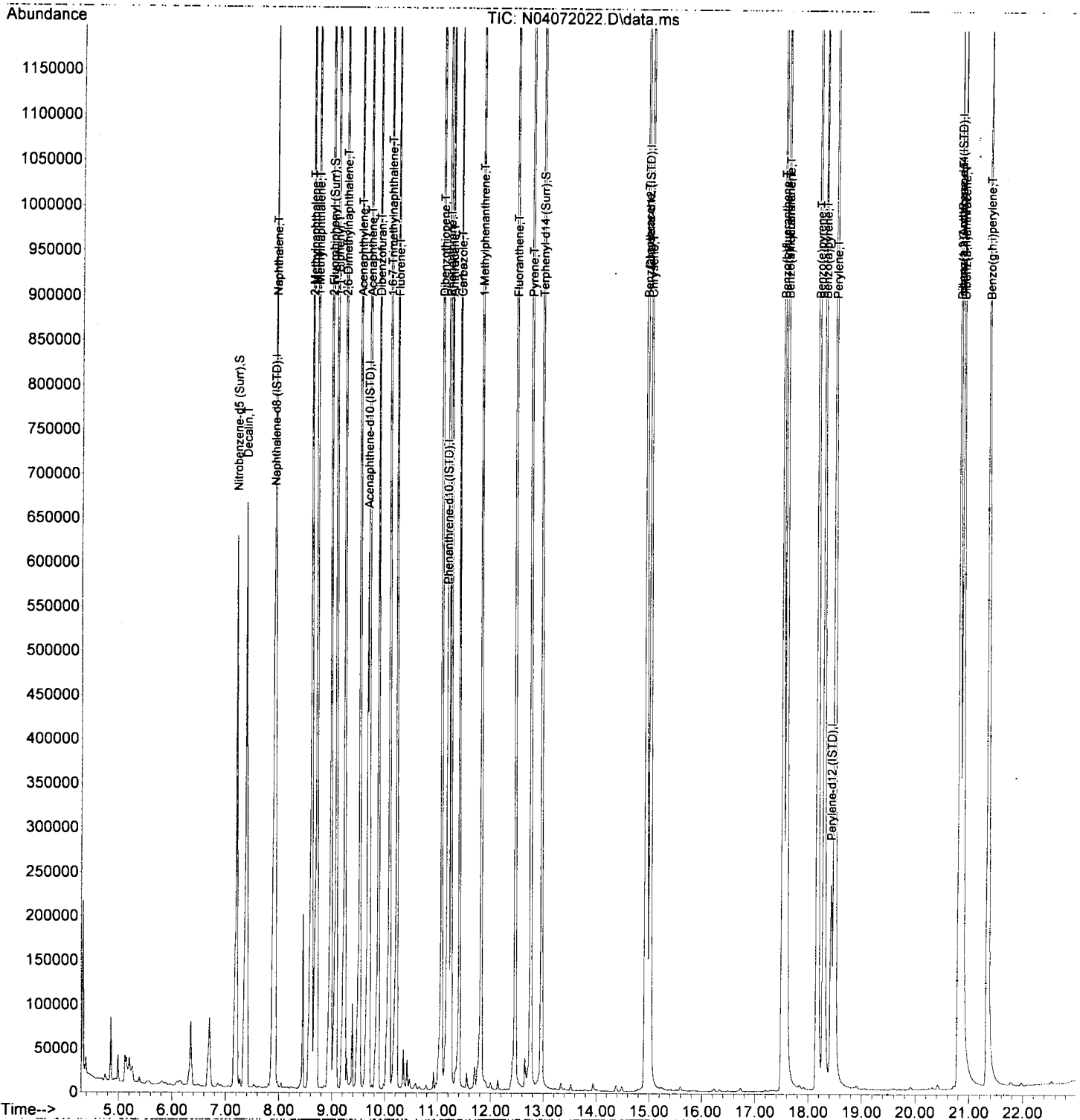
*JK* 4/8/20

| Compound                           | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|---------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |         |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.907  | 136  | 237171   | 100.00  | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 142544   | 100.00  | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 254222   | 100.00  | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.953 | 240  | 231029   | 100.00  | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.421 | 264  | 221821   | 100.00  | ng/ml | 0.01     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.805 | 292  | 157020   | 100.00  | ng/ml | 0.01     |        |
| <b>System Monitoring Compounds</b> |        |      |          |         |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.207  | 82   | 451853   | 850.55  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 1276915  | 524.01  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.960 | 244  | 1328709  | 605.85  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |         |       |          |        |
|                                    |        |      |          |         |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 128416   | 747.82  | ng/ml |          | 88     |
| 4) Naphthalene                     | 7.924  | 128  | 1463412  | 572.15  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.612  | 142  | 1091692  | 670.87  | ng/ml |          | 98     |
| 6) 1-Methylnaphthalene             | 8.711  | 142  | 1038153  | 666.68  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.078  | 154  | 1335421  | 635.52  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.236  | 156  | 968269   | 736.39  | ng/ml |          | 98     |
| 11) Acenaphthylene                 | 9.521  | 152  | 1692015  | 683.40  | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.696  | 153  | 1100304  | 590.67  | ng/ml |          | 99     |
| 13) Dibenzofuran                   | 9.871  | 168  | 1394000  | 522.49  | ng/ml |          | 96     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.081 | 170  | 893285   | 570.79  | ng/ml |          | 99     |
| 15) Fluorene                       | 10.221 | 166  | 1105549  | 610.85  | ng/ml |          | 99     |
| 17) Dibenzothiopene                | 11.066 | 184  | 1486980  | 581.50  | ng/ml |          | 95     |
| 18) Phenanthrene                   | 11.194 | 178  | 1662195  | 576.08  | ng/ml |          | 100    |
| 19) Anthracene                     | 11.246 | 178  | 1396742  | 585.30  | ng/ml |          | 99     |
| 20) Carbazole                      | 11.404 | 167  | 1098601  | 553.61  | ng/ml |          | 99     |
| 21) 1-Methylphenanthrene           | 11.818 | 192  | 1186501  | 631.00  | ng/ml |          | 98     |
| 22) Fluoranthene                   | 12.465 | 202  | 1796405  | 663.06  | ng/ml |          | 96     |
| 24) Pyrene                         | 12.756 | 202  | 1875198  | 672.55  | ng/ml |          | 100    |
| 26) Benz(a)anthracene              | 14.936 | 228  | 1469312  | 629.74  | ng/ml |          | 99     |
| 27) Chrysene                       | 15.018 | 228  | 1426972  | 581.07  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.518 | 252  | 1548382  | 675.29  | ng/ml |          | 93     |
| 30) Benzo(k)fluoranthene           | 17.588 | 252  | 1475774  | 629.42  | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.588 | 252  | 3120142  | 1282.84 | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.171 | 252  | 1591400  | 674.47  | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.293 | 252  | 1297353  | 535.84  | ng/ml |          | 96     |
| 34) Perylene                       | 18.491 | 252  | 1594908  | 641.12  | ng/ml |          | 99     |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.811 | 276  | 1156472  | 663.63  | ng/ml |          | 80     |
| 37) Dibenz(a,h)anthracene          | 20.875 | 278  | 1132840  | 612.89  | ng/ml |          | 83     |
| 38) Benzo(g,h,i)perylene           | 21.353 | 276  | 1320462  | 705.35  | ng/ml |          | 81     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072022.D  
 Acq On : 07 Apr 2020 22:40  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-CALA  
 Misc : 1x, A20C476@600PPB  
 ALS Vial : 12 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:41:53 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072024.D  
 Acq On : 07 Apr 2020 23:44  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICV1  
 Misc : 1x, A20C479@50PPB  
 ALS Vial : 13 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:42:06 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

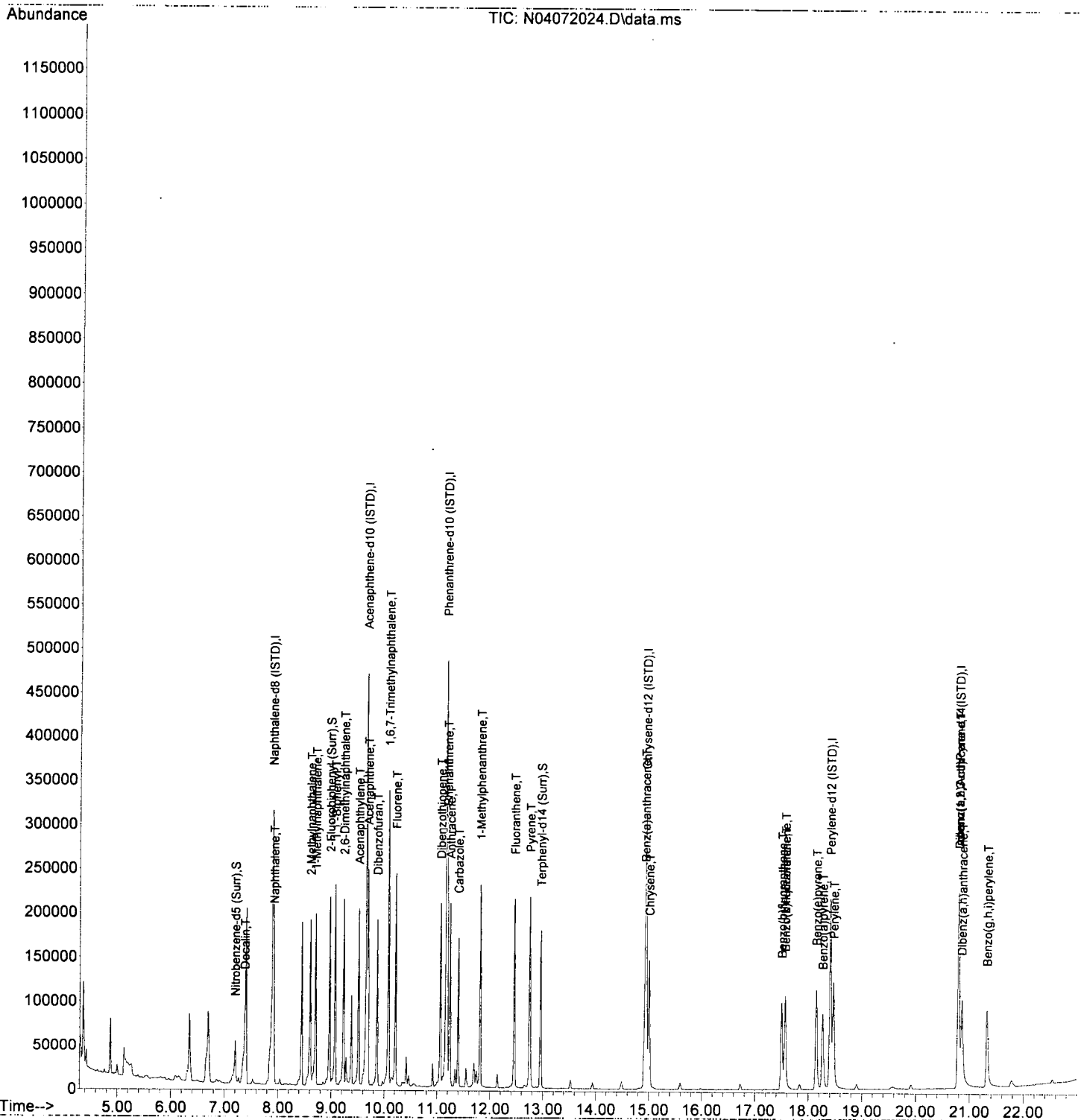
*JK 4/8/20*

| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |        |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |          |        |
| 1) Naphthalene-d8 (ISTD)           | 7.901  | 136  | 265379   | 100.00 | ng/ml | 0.00     |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 144991   | 100.00 | ng/ml | 0.00     |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 263411   | 100.00 | ng/ml | 0.00     |        |
| 23) Chrysene-d12 (ISTD)            | 14.942 | 240  | 209391   | 100.00 | ng/ml | 0.00     |        |
| 28) Perylene-d12 (ISTD)            | 18.404 | 264  | 193930   | 100.00 | ng/ml | 0.00     |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 149770   | 100.00 | ng/ml | 0.00     |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |          |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.201  | 82   | 31558    | 53.09  | ng/ml | 0.00     |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 114902   | 46.36  | ng/ml | 0.00     |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 104677   | 52.66  | ng/ml | 0.00     |        |
| <b>Target Compounds</b>            |        |      |          |        |       |          |        |
|                                    |        |      |          |        |       |          | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 8798     | 45.76  | ng/ml |          | 87     |
| 4) Naphthalene                     | 7.924  | 128  | 134333   | 46.94  | ng/ml |          | 100    |
| 5) 2-Methylnaphthalene             | 8.606  | 142  | 95473    | 52.39  | ng/ml |          | 97     |
| 6) 1-Methylnaphthalene             | 8.705  | 142  | 95852    | 55.01  | ng/ml |          | 97     |
| 7) 1,1'-Biphenyl                   | 9.072  | 154  | 122388   | 52.05  | ng/ml |          | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.236  | 156  | 83923    | 57.04  | ng/ml |          | 96     |
| 11) Acenaphthylene                 | 9.515  | 152  | 136436   | 54.18  | ng/ml |          | 99     |
| 12) Acenaphthene                   | 9.690  | 153  | 99522    | 52.52  | ng/ml |          | 98     |
| 13) Dibenzofuran                   | 9.865  | 168  | 127154   | 46.85  | ng/ml |          | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 80111    | 50.33  | ng/ml |          | 98     |
| 15) Fluorene                       | 10.215 | 166  | 97899    | 53.18  | ng/ml |          | 98     |
| 17) Dibenzothiopene                | 11.060 | 184  | 124997   | 47.18  | ng/ml |          | 96     |
| 18) Phenanthrene                   | 11.188 | 178  | 149438   | 49.99  | ng/ml |          | 99     |
| 19) Anthracene                     | 11.241 | 178  | 123075   | 49.77  | ng/ml |          | 99     |
| 20) Carbazole                      | 11.398 | 167  | 106901   | 51.99  | ng/ml |          | 98     |
| 21) 1-Methylphenanthrene           | 11.812 | 192  | 103346   | 53.04  | ng/ml |          | 100    |
| 22) Fluoranthene                   | 12.459 | 202  | 145369   | 51.78  | ng/ml |          | 96     |
| 24) Pyrene                         | 12.750 | 202  | 153498   | 60.74  | ng/ml |          | 100    |
| 26) Benz(a)anthracene              | 14.924 | 228  | 101320   | 47.91  | ng/ml |          | 99     |
| 27) Chrysene                       | 15.000 | 228  | 113999   | 51.22  | ng/ml |          | 99     |
| 29) Benzo(b)fluoranthene           | 17.500 | 252  | 93375    | 46.58  | ng/ml |          | 93     |
| 30) Benzo(k)fluoranthene           | 17.565 | 252  | 98839    | 48.22  | ng/ml |          | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.565 | 252  | 205649   | 96.71  | ng/ml |          | 93     |
| 32) Benzo(e)pyrene                 | 18.147 | 252  | 104146   | 50.49  | ng/ml |          | 98     |
| 33) Benzo(a)pyrene                 | 18.264 | 252  | 79516    | 50.72  | ng/ml |          | 97     |
| 34) Perylene                       | 18.468 | 252  | 113877   | 52.35  | ng/ml |          | 100    |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 77694    | 46.74  | ng/ml |          | 80     |
| 37) Dibenz(a,h)anthracene          | 20.852 | 278  | 79648    | 45.18  | ng/ml |          | 84     |
| 38) Benzo(g,h,i)perylene           | 21.324 | 276  | 90765    | 50.83  | ng/ml |          | 80     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072024.D  
 Acq On : 07 Apr 2020 23:44  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICV1  
 Misc : 1x, A20C479@50PPB  
 ALS Vial : 13 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 09:42:06 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 09:40:52 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14





Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072024.D  
 Acq On : 07 Apr 2020 23:44  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICV1  
 Misc : 1x, A20C479@50PPB  
 ALS Vial : 13 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

*Final Request*

Quant Time: Apr 08 10:25:58 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 10:01:43 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14

*Qtd 4/8/20*

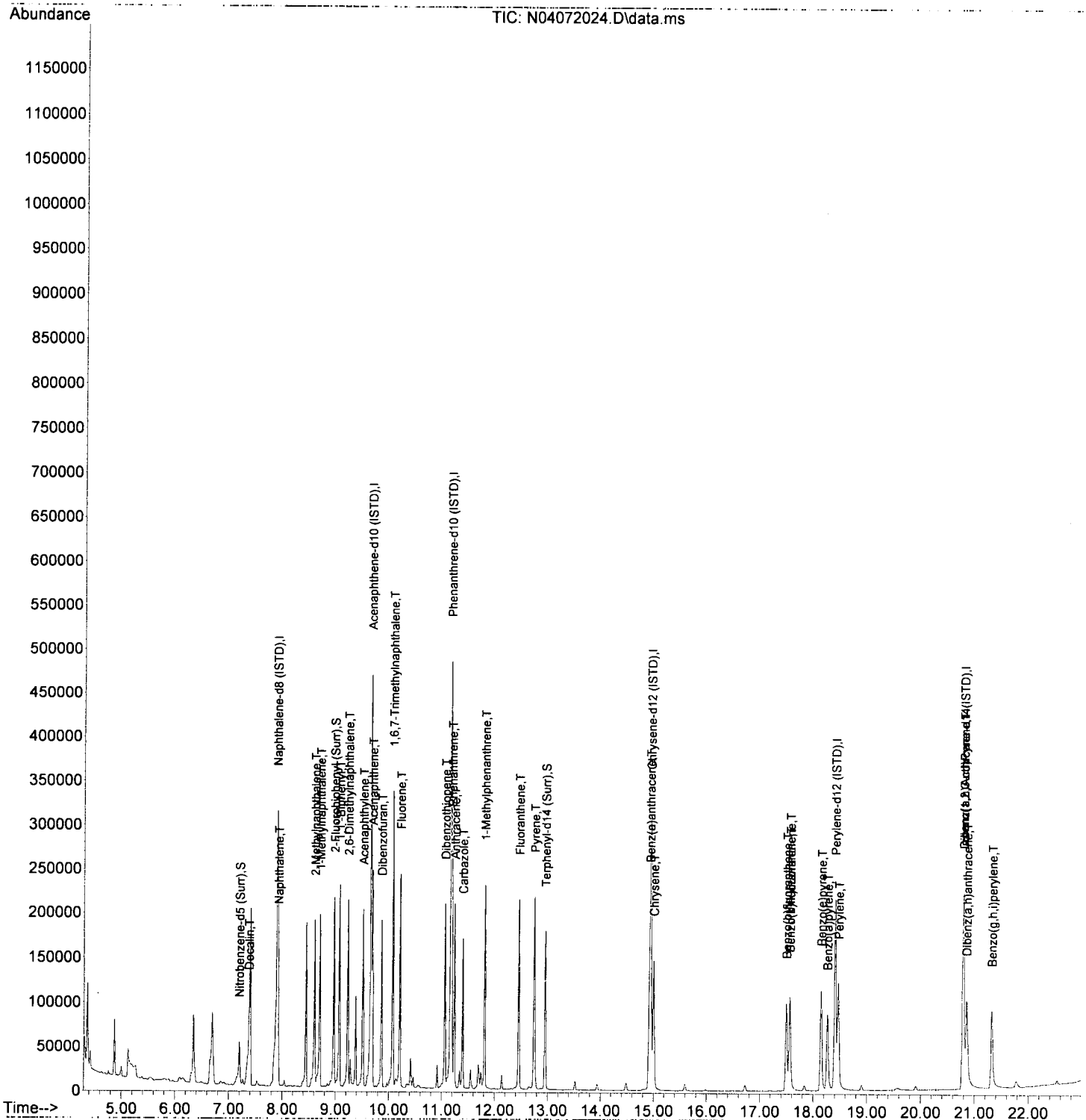
| Compound                           | R.T.   | QIon | Response | Conc   | Units | Dev (Min) |        |
|------------------------------------|--------|------|----------|--------|-------|-----------|--------|
| <b>Internal Standards</b>          |        |      |          |        |       |           |        |
| 1) Naphthalene-d8 (ISTD)           | 7.901  | 136  | 265379   | 100.00 | ng/ml | 0.00      |        |
| 9) Acenaphthene-d10 (ISTD)         | 9.661  | 162  | 144991   | 100.00 | ng/ml | 0.00      |        |
| 16) Phenanthrene-d10 (ISTD)        | 11.165 | 188  | 263411   | 100.00 | ng/ml | 0.00      |        |
| 23) Chrysene-d12 (ISTD)            | 14.942 | 240  | 209391   | 100.00 | ng/ml | 0.00      |        |
| 28) Perylene-d12 (ISTD)            | 18.404 | 264  | 193930   | 100.00 | ng/ml | 0.00      |        |
| 35) Dibenz(a,h)Anthracene-d...     | 20.788 | 292  | 149770   | 100.00 | ng/ml | 0.00      |        |
| <b>System Monitoring Compounds</b> |        |      |          |        |       |           |        |
| 2) Nitrobenzene-d5 (Surr)          | 7.201  | 82   | 31558    | 38.07  | ng/ml | 0.00      |        |
| 10) 2-Fluorobiphenyl (Surr)        | 8.973  | 172  | 114902   | 51.19  | ng/ml | 0.00      |        |
| 25) Terphenyl-d14 (Surr)           | 12.954 | 244  | 104677   | 51.74  | ng/ml | 0.00      |        |
| <b>Target Compounds</b>            |        |      |          |        |       |           |        |
|                                    |        |      |          |        |       |           | Qvalue |
| 3) Decalin                         | 7.382  | 138  | 8798     | 41.46  | ng/ml |           | 87     |
| 4) Naphthalene                     | 7.924  | 128  | 134333   | 46.47  | ng/ml |           | 100    |
| 5) 2-Methylnaphthalene             | 8.606  | 142  | 95473    | 49.19  | ng/ml |           | 97     |
| 6) 1-Methylnaphthalene             | 8.705  | 142  | 95852    | 49.74  | ng/ml |           | 97     |
| 7) 1,1'-Biphenyl                   | 9.072  | 154  | 122388   | 50.03  | ng/ml |           | 97     |
| 8) 2,6-Dimethylnaphthalene         | 9.236  | 156  | 83923    | 50.01  | ng/ml |           | 96     |
| 11) Acenaphthylene                 | 9.515  | 152  | 136436   | 50.46  | ng/ml |           | 99     |
| 12) Acenaphthene                   | 9.690  | 153  | 99522    | 50.18  | ng/ml |           | 98     |
| 13) Dibenzofuran                   | 9.865  | 168  | 127154   | 52.97  | ng/ml |           | 95     |
| 14) 1,6,7-Trimethylnaphtha...      | 10.075 | 170  | 80111    | 51.55  | ng/ml |           | 98     |
| 15) Fluorene                       | 10.215 | 166  | 97899    | 51.34  | ng/ml |           | 98     |
| 17) Dibenzothiopene                | 11.060 | 184  | 124997   | 46.96  | ng/ml |           | 96     |
| 18) Phenanthrene                   | 11.188 | 178  | 149438   | 49.29  | ng/ml |           | 99     |
| 19) Anthracene                     | 11.241 | 178  | 123075   | 49.56  | ng/ml |           | 99     |
| 20) Carbazole                      | 11.398 | 167  | 106901   | 49.87  | ng/ml |           | 98     |
| 21) 1-Methylphenanthrene           | 11.812 | 192  | 103346   | 50.55  | ng/ml |           | 100    |
| 22) Fluoranthene                   | 12.459 | 202  | 145369   | 48.65  | ng/ml |           | 96     |
| 24) Pyrene                         | 12.750 | 202  | 153498   | 56.52  | ng/ml |           | 100    |
| 26) Benz(a)anthracene              | 14.924 | 228  | 101320   | 46.66  | ng/ml |           | 99     |
| 27) Chrysene                       | 15.000 | 228  | 113999   | 51.05  | ng/ml |           | 99     |
| 29) Benzo(b)fluoranthene           | 17.500 | 252  | 93375    | 46.58  | ng/ml |           | 93     |
| 30) Benzo(k)fluoranthene           | 17.565 | 252  | 98839    | 49.45  | ng/ml |           | 93     |
| 31) Benzo(b+k)fluoranthene         | 17.565 | 252  | 205649   | 97.55  | ng/ml |           | 93     |
| 32) Benzo(e)pyrene                 | 18.147 | 252  | 104146   | 49.68  | ng/ml |           | 98     |
| 33) Benzo(a)pyrene                 | 18.264 | 252  | 79516    | 49.59  | ng/ml |           | 97     |
| 34) Perylene                       | 18.468 | 252  | 113877   | 52.76  | ng/ml |           | 100    |
| 36) Indeno(1,2,3-cd)Pyrene         | 20.788 | 276  | 77694    | 47.76  | ng/ml |           | 80     |
| 37) Dibenz(a,h)anthracene          | 20.852 | 278  | 79648    | 48.55  | ng/ml |           | 84     |
| 38) Benzo(g,h,i)perylene           | 21.324 | 276  | 90765    | 52.01  | ng/ml |           | 80     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\  
 Data File : N04072024.D  
 Acq On : 07 Apr 2020 23:44  
 Operator : JK/ AMS/ DTH  
 Sample : 0D07056-ICV1  
 Misc : 1x, A20C479@50PPB  
 ALS Vial : 13 Sample Multiplier: 1  
 DataAcq Meth:LVI14\_BNA\_ACQ.M

Quant Time: Apr 08 10:25:58 2020  
 Quant Method : N:\methods\SV14\_040720\_PAH.M  
 Quant Title : EPA 8270D: Semivolatile Organics  
 QLast Update : Wed Apr 08 10:01:43 2020  
 Response via : Initial Calibration  
 InstName : SV-GCMS14



**Conventional Chemistry Parameters**

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

Batch 0080017  
Sequence 0H05039 (A0E0670-26,27)



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

**BATCH #: 0080017 (Soil)**

Prep Method: PSEP-5310B TOC

| # | Lab Number   | Analysis                               | Prepared       | Initial (N/A) | Final (N/A) | Spike ID  | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments | pH |     |     |
|---|--------------|--|----------------|---------------|-------------|-----------|------------|----------|----------|--------------------------|---------------------|----|-----|-----|
|   |              |  |                |               |             |           |            |          |          |                          |                     | <2 | 5-9 | >11 |
|   | 0080017-BLK1 | QC                                     | 08/03/20 10:32 | 0.2           | 0.2         |           |            |          |          |                          |                     |    |     |     |
|   | 0080017-BS1  | QC                                     | 08/03/20 10:32 | 0.2           | 0.2         | A20E109 ✓ |            | 1        |          |                          |                     |    |     |     |
|   | A0E0670-26   | A Total Organic Carbon - Soil (5310 B) | 08/03/20 10:32 | 0.2           | 0.2         |           |            |          |          | PDI-174SC-A-08-09-200521 |                     |    |     |     |
|   | 0080017-DUP1 | QC                                     | 08/03/20 10:32 | 0.2           | 0.2         |           | A0E0670-26 |          |          |                          |                     |    |     |     |
|   | 0080017-DUP2 | QC                                     | 08/03/20 10:32 | 0.2           | 0.2         |           | A0E0670-26 |          |          |                          |                     |    |     |     |
|   | A0E0670-27   | A Total Organic Carbon - Soil (5310 B) | 08/03/20 10:32 | 0.2           | 0.2         |           |            |          |          | PDI-174SC-A-09-10-200521 |                     |    |     |     |

**Standards/Reagents**

| Reagent(s) |           |                            | Analyte Spike(s) |           |                         | Surrogate(s) |           |             |
|------------|-----------|----------------------------|------------------|-----------|-------------------------|--------------|-----------|-------------|
| Std ID     | Exp. Date | Description                | Std ID           | Exp. Date | Description             | Std ID       | Exp. Date | Description |
| A13L220    | 11/30/23  | Wet Chem Balance 1         | A20E109          | 11/08/20  | TOC 10k ppm secondary ✓ |              |           |             |
| A19F020    | 06/03/29  | TOC Soil Drying Oven @70oC |                  |           |                         |              |           |             |
| A19J023    | 11/30/23  | Wet Chem Balance 4         |                  |           |                         |              |           |             |
| A19J145    | 05/30/22  | TOC Soil Blank Matrix ✓    |                  |           |                         |              |           |             |
| A19K369    | 11/27/24  | VWR002V                    |                  |           |                         |              |           |             |
| A20F100    | 12/08/20  | 10% Phosphoric Acid        |                  |           |                         |              |           |             |

Prepared By: WVb Date: 8/3/20

Reviewed By: cur Date: 8/6/2020





# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0H05039**  
Date: **08/05/20 09:16**

Instrument: **TOC6**  
Calibration: **A0F1203 ✓**

| #  | Lab Number   | Matrix   | Analysis                             | Client          | Due      | Batch   | ISTD ID | STD ID    |
|----|--------------|----------|--------------------------------------|-----------------|----------|---------|---------|-----------|
| 1  | 0H05039-CCV1 | Soil     | QC                                   | QC              |          |         |         | A20G397 ✓ |
| 2  | 0H05039-CCB1 | Soil     | QC                                   | QC              |          |         |         |           |
| 3  | 0080017-BLK1 | Soil     | QC                                   | QC              |          | 0080017 |         |           |
| 4  | 0080017-BS1  | Soil     | QC                                   | QC              |          | 0080017 |         |           |
| 5  | A0E0670-26   | Soil     | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 08/05/20 | 0080017 |         |           |
| 6  | 0080017-DUP1 | Soil     | QC                                   | QC              |          | 0080017 |         |           |
| 7  | 0080017-DUP2 | Soil     | QC                                   | QC              |          | 0080017 |         |           |
| 8  | A0E0670-27   | Soil     | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 08/05/20 | 0080017 |         |           |
| 9  | 0H05039-CCV2 | Soil     | QC                                   | QC              |          |         |         | A20G397 - |
| 10 | 0H05039-CCB2 | Soil     | QC                                   | QC              |          |         |         |           |
| 11 | 0070929-BLK1 | Soil     | QC                                   | QC              |          | 0070929 |         |           |
| 12 | 0070929-BS1  | Soil     | QC                                   | QC              |          | 0070929 |         |           |
| 13 | A0G0763-01   | Soil     | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0070929 |         |           |
| 14 | A0G0763-02   | Soil     | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0070929 |         |           |
| 15 | 0070929-DUP1 | Soil     | QC                                   | QC              |          | 0070929 |         |           |
| 16 | 0070929-DUP2 | Soil     | QC                                   | QC              |          | 0070929 |         |           |
| 17 | A0G0763-04   | Soil     | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0070929 |         |           |
| 18 | A0G0774-01   | Soil     | Total Organic Carbon - Sediment (PSI |                 | 08/12/20 | 0070929 |         |           |
| 19 | A0G0774-02   | Soil     | Total Organic Carbon - Sediment (PSI |                 | 08/12/20 | 0070929 |         |           |
| 20 | 0H05039-CCV3 | Soil     | QC                                   | QC              |          |         |         | A20G397 ✓ |
| 21 | 0H05039-CCB3 | Soil     | QC                                   | QC              |          |         |         |           |
| 22 | 0080019-BLK2 | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 23 | 0080019-BLK1 | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 24 | 0080019-BS1  | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 25 | A0G0680-03   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 26 | 0080019-DUP1 | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 27 | 0080019-DUP2 | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 28 | A0G0680-06   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 29 | A0G0680-09   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 30 | A0G0680-12   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 31 | A0G0680-15   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 32 | 0H05039-CCV4 | Soil     | QC                                   | QC              |          |         |         | A20G397 ✓ |
| 33 | 0H05039-CCB4 | Soil     | QC                                   | QC              |          |         |         |           |
| 34 | A0G0680-18   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 35 | A0G0680-21   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 36 | 0080019-DUP3 | Sediment | QC                                   | QC              |          | 0080019 |         |           |
| 37 | A0G0680-24   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 38 | A0G0680-27   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 39 | A0G0680-30   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 40 | A0G0680-33   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 41 | A0G0680-36   | Sediment | Total Organic Carbon - Sediment (PSI |                 | 08/11/20 | 0080019 |         |           |
| 42 | 0H05039-CCV5 | Soil     | QC                                   | QC              |          |         |         | A20G397 ✓ |
| 43 | 0H05039-CCB5 | Soil     | QC                                   | QC              |          |         |         |           |

Data Entered By/Date: *nwo 8/5/20*

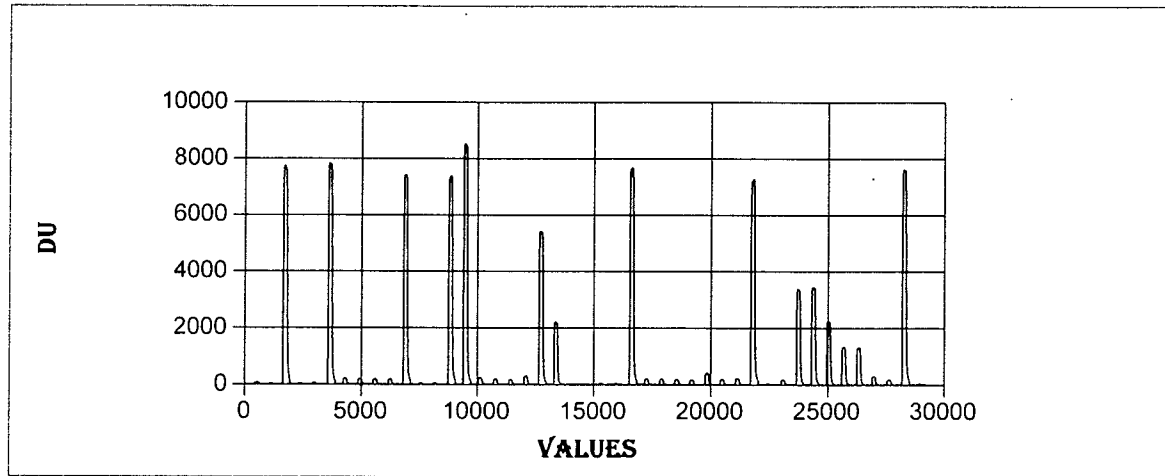
Data Reviewed By/Date: *cmz 8/6/2020*

Comments:

Method: TCDirect Run Start Time: 8/5/2020 12:48:22 P  
Method Type: TC\_DIRECT Run End Time: 8/5/2020 9:38:45 PM  
Table: OH05039 Device ID: TOC6  
Analyst: Administrator Run Name: SN10020200805A1

| Cup Position | Sample ID    | Weight ( mg ) | Final Result (mg/kg) | Result mg C abs | Peak Area   | Analysed Date and time |
|--------------|--------------|---------------|----------------------|-----------------|-------------|------------------------|
| A99          | PRIME        | 200           | 96.912               | 0.019           | 12690.34    | 8/5/2020 1:27:19 PM    |
| A2           | BLANK        | 200           | 46.607               | 0.009           | 6102.96     | 8/5/2020 1:38:20 PM    |
| A1           | OH05039-CCV1 | 200           | 10829.872 -          | 2.166           | 1418134.2   | 8/5/2020 1:49:13 PM    |
| A2           | OH05039-CCB1 | 200           | 57.177 -             | 0.011           | 7487.1      | 8/5/2020 1:59:59 PM    |
| A3           | 0070017-BLK1 | 212.6         | 76.935 -             | 0.016           | 10709.1     | 8/5/2020 2:10:45 PM    |
| A4           | 0080017-BS1  | 200           | 10194.499 -          | 2.039           | 1334934.26  | 8/5/2020 2:21:31 PM    |
| A5           | A0E0670-26   | 206.5         | 272.879              | 0.056           | 36893.935   | 8/5/2020 2:32:17 PM    |
| A6           | 0080017-DUP1 | 206.2         | 248.11 -             | 0.051           | 33496.26    | 8/5/2020 2:43:04 PM    |
| A7           | 0080017-DUP2 | 207           | 236.113              | 0.049           | 32000.36    | 8/5/2020 2:53:50 PM    |
| A8           | A0E0670-27   | 205.8         | 243.194 -            | 0.05            | 32768.965   | 8/5/2020 3:04:36 PM    |
| A9           | OH05039-CCV2 | 200           | 9591.779 -           | 1.918           | 1256010.23  | 8/5/2020 3:15:22 PM    |
| A2           | OH05039-CCB2 | 200           | 49.763 -             | 0.01            | 6516.33     | 8/5/2020 3:26:08 PM    |
| A10          | 0070929-BLK1 | 213.6         | 63.43 -              | 0.014           | 8870.73     | 8/5/2020 3:37:01 PM    |
| A11          | 0070929-BS1  | 200           | 9510.612 -           | 1.902           | 1245381.66  | 8/5/2020 3:47:54 PM    |
| A12          | A0G0763-01   | 49.7          | 43834.638            | 2.179           | 1426388.51  | 8/5/2020 3:58:40 PM    |
| A13          | A0G0763-02   | 206.8         | 303.793              | 0.063           | 41133.165   | 8/5/2020 4:09:26 PM    |
| A14          | 0070929-DUP1 | 207.2         | 244.09               | 0.051           | 33113.45    | 8/5/2020 4:20:13 PM    |
| A15          | 0070929-DUP2 | 205.8         | 216.893              | 0.045           | 29224.99    | 8/5/2020 4:31:00 PM    |
| A16          | A0G0763-04   | 205.4         | 385.473              | 0.079           | 51839.27    | 8/5/2020 4:41:47 PM    |
| A17          | A0G0774-01   | 206.9         | 6690.881             | 1.384           | 906374.82   | 8/5/2020 4:52:34 PM    |
| A18          | A0G0774-02   | 138.7         | 4097.584             | 0.568           | 372107.45   | 8/5/2020 5:03:21 PM    |
| A19          | OH05039-CCV3 | 200           | 38.241 -             | 0.008           | 5007.52     | 8/5/2020 5:14:08 PM    |
| A2           | OH05039-CCB3 | 200           | 19.833 -             | 0.004           | 2597.07     | 8/5/2020 5:24:55 PM    |
| A20          | 0080019-BLK2 | 212           | 59.697               | 0.013           | 8286.18     | 8/5/2020 5:35:48 PM    |
| A21          | 0080019-BLK1 | 214.1         | 49.749 -             | 0.011           | 6973.79     | 8/5/2020 5:46:42 PM    |
| A22          | 0080019-BS1  | 200           | 9958.991 -           | 1.992           | 1304095.405 | 8/5/2020 5:57:29 PM    |
| A23          | A0G0680-03   | 104.1         | 505.285              | 0.053           | 34439.05    | 8/5/2020 6:08:16 PM    |
| A24          | 0080019-DUP1 | 104.5         | 494.402              | 0.052           | 33826.745   | 8/5/2020 6:19:03 PM    |
| A25          | 0080019-DUP2 | 104.9         | 448.448              | 0.047           | 30800.05    | 8/5/2020 6:29:50 PM    |
| A26          | A0G0680-06   | 104.9         | 420.026              | 0.044           | 28847.965   | 8/5/2020 6:40:37 PM    |
| A27          | A0G0680-09   | 106           | 991.347              | 0.105           | 68801.13    | 8/5/2020 6:51:24 PM    |
| A28          | A0G0680-12   | 106.4         | 460.342              | 0.049           | 32069.05    | 8/5/2020 7:02:11 PM    |
| A29          | A0G0680-15   | 110.2         | 519.401              | 0.057           | 37475.565   | 8/5/2020 7:12:58 PM    |

|     |              |       |          |       |            |                     |
|-----|--------------|-------|----------|-------|------------|---------------------|
| A30 | 0H05039-CCV4 | 200   | 9506.311 | 1.901 | 1244818.49 | 8/5/2020 7:23:46 PM |
| A2  | 0H05039-CCB4 | 200   | 48.911   | 0.01  | 6404.71    | 8/5/2020 7:34:33 PM |
| A31 | A0G0680-18   | 105.2 | 437.026  | 0.046 | 30101.455  | 8/5/2020 7:45:27 PM |
| A32 | A0G0680-21   | 112.2 | 7839.118 | 0.88  | 575869.51  | 8/5/2020 7:56:21 PM |
| A33 | 0080019-DUP3 | 114.1 | 7896.431 | 0.901 | 589902.88  | 8/5/2020 8:07:08 PM |
| A34 | A0G0680-24   | 107.6 | 5447.716 | 0.586 | 383787.41  | 8/5/2020 8:17:56 PM |
| A35 | A0G0680-27   | 109.9 | 3150.271 | 0.346 | 226678.12  | 8/5/2020 8:28:43 PM |
| A36 | A0G0680-30   | 126.6 | 2710.613 | 0.343 | 224680.45  | 8/5/2020 8:39:30 PM |
| A37 | A0G0680-33   | 115.6 | 685.329  | 0.079 | 51870.53   | 8/5/2020 8:50:17 PM |
| A38 | A0G0680-36   | 115.5 | 429.887  | 0.05  | 32508.73   | 8/5/2020 9:01:04 PM |
| A39 | 0H05039-CCV5 | 200   | 10042.41 | 2.008 | 1315018.73 | 8/5/2020 9:11:51 PM |
| A2  | 0H05039-CCB5 | 200   | 50.981   | 0.01  | 6675.73    | 8/5/2020 9:22:38 PM |





*DL 6/8/2020*

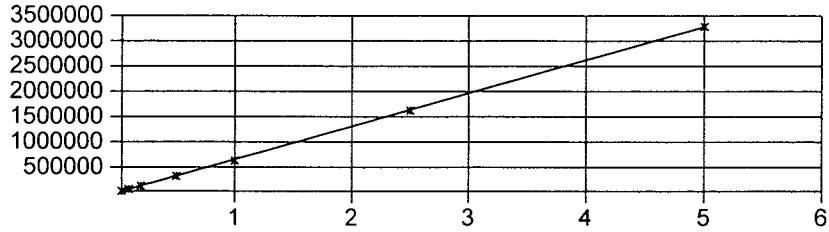
**SNACCESS**

**RUN NAME : SN10020200612A2 METHOD NAME : TCDIRECT CALIBRATION TYPE : I**

**ORDER FORCED THRO ZERO GROUP : 1**

**A = 0.0000000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-**

**SQUARED = 0.99990924197382**



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

Sequence: 0H05039Analyst: WVO

| Sample ID    | Tare (g) | initial + tare(g) | dried + tare(g) | correction factor | Skalar TOC (mg/kg) | Result for Element |
|--------------|----------|-------------------|-----------------|-------------------|--------------------|--------------------|
| A0G0670-26   | 1.2629   | 10.1646           | 8.3328          | 0.7942            | 272.9              | 216.7 ✓            |
| 0080017-DUP1 | 1.2558   | 9.6062            | 7.7299          | 0.7753            | 248.1              | 192.4 ✓            |
| A0G0670-27   | 1.2629   | 8.3355            | 6.7201          | 0.7716            | 243.2              | 187.7 ✓            |
| A0G0763-01   | 1.2586   | 9.3539            | 6.2201          | 0.6129            | 43834.6            | 26865.7 ✓          |
| A0G0763-02   | 1.2593   | 10.4637           | 9.8800          | 0.9366            | 303.8              | 284.5 ✓            |
| 0070929-DUP1 | 1.2632   | 10.3806           | 9.7781          | 0.9339            | 244.1              | 228.0 ✓            |
| A0G0763-04   | 1.2599   | 15.3640           | 13.5746         | 0.8731            | 385.5              | 336.6 ✓            |
| A0G0774-01   | 1.2645   | 16.5540           | 13.5248         | 0.8019            | 6690.9             | 5365.3 ✓           |
| A0G0774-02   | 1.2592   | 14.6010           | 11.9099         | 0.7983            | 4097.6             | 3271.1 ✓           |
| 0080019-BLK2 | 1.2574   | 7.3045            | 7.2083          | 0.9841            | 59.6970            | 58.7 ✓             |
| A0G0680-03   | 1.2668   | 11.6799           | 11.4046         | 0.9736            | 505.2850           | 491.9 ✓            |
| 0080019-DUP1 | 1.2597   | 10.7842           | 10.6907         | 0.9902            | 494.4020           | 489.5 ✓            |
| A0G0680-06   | 1.2616   | 10.4547           | 10.0229         | 0.9530            | 420.0260           | 400.3 ✓            |
| A0G0680-09   | 1.2631   | 6.0895            | 6.0515          | 0.9921            | 991.3470           | 983.5 ✓            |
| A0G0680-12   | 1.2612   | 8.7183            | 8.4340          | 0.9619            | 460.3420           | 442.8 ✓            |
| A0G0680-15   | 1.2623   | 7.8012            | 7.7162          | 0.9870            | 519.4010           | 512.6 ✓            |
| A0G0680-18   | 1.2527   | 10.0993           | 10.0176         | 0.9908            | 437.0260           | 433.0 ✓            |
| A0G0680-21   | 1.2606   | 10.1977           | 10.0040         | 0.9783            | 7839.1180          | 7669.2 ✓           |
| 0080019-DUP3 | 1.2645   | 10.1972           | 10.0090         | 0.9789            | 7896.4310          | 7730.1 ✓           |
| A0G0680-24   | 1.2574   | 10.1272           | 9.9403          | 0.9789            | 5447.7160          | 5332.9 ✓           |
| A0G0680-27   | 1.2571   | 10.1033           | 10.0094         | 0.9894            | 3150.2710          | 3116.8 ✓           |
| A0G0680-30   | 1.2514   | 10.4203           | 10.3385         | 0.9911            | 2710.6130          | 2686.4 ✓           |
| A0G0680-33   | 1.2594   | 10.1131           | 10.0606         | 0.9941            | 685.3290           | 681.3 ✓            |
| A0G0680-36   | 1.2557   | 10.0494           | 10.0028         | 0.9947            | 429.8870           | 427.6 ✓            |
| 0070929-DUP2 | 1.2632   | 10.3806           | 9.7781          | 0.9339            | 216.9              | 202.6 ✓            |
| 0080019-DUP2 | 1.2597   | 10.7842           | 10.6907         | 0.9902            | 448.4480           | 444.0 ✓            |

Batch\_0070929/0080017/0080019

Sample Drying

Analyst\_WVO

|              |        |        |        |        |          |       |
|--------------|--------|--------|--------|--------|----------|-------|
| 0080017-DUP2 | 1.2558 | 9.6062 | 7.7299 | 0.7753 | 236.1130 | 183.1 |
|--------------|--------|--------|--------|--------|----------|-------|

**Conventional Chemistry Parameters**

**Total Organic Carbon- Soil (5310 B)  
Calibration Data**

Sequence 0F12047 (Cal ID A0F1203) TOC6



# ELEMENT SEQUENCE LOG

Apex Laboratories

JUN 17 2020

Sequence: **0F12047**  
Date: **06/12/20 18:48**

Instrument: **TOC6**  
Calibration: **A0F1203**

| #  | Lab Number   | Matrix   | Analysis | Client | Due | Batch | ISTD ID | STD ID  |
|----|--------------|----------|----------|--------|-----|-------|---------|---------|
| 1  | 0F12047-CAL1 | Sediment | QC       | QC     |     |       |         |         |
| 2  | 0F12047-CAL2 | Sediment | QC       | QC     |     |       |         | A20F046 |
| 3  | 0F12047-CAL3 | Sediment | QC       | QC     |     |       |         | A20F047 |
| 4  | 0F12047-CAL4 | Sediment | QC       | QC     |     |       |         | A20F048 |
| 5  | 0F12047-CAL5 | Sediment | QC       | QC     |     |       |         | A20F049 |
| 6  | 0F12047-CAL6 | Sediment | QC       | QC     |     |       |         | A20F050 |
| 7  | 0F12047-CAL7 | Sediment | QC       | QC     |     |       |         | A20F051 |
| 8  | 0F12047-CAL8 | Sediment | QC       | QC     |     |       |         | A20F052 |
| 9  | 0F12047-CAL9 | Sediment | QC       | QC     |     |       |         | A20F053 |
| 10 | 0F12047-ICV1 | Sediment | QC       | QC     |     |       |         | A20E110 |
| 11 | 0F12047-ICB1 | Sediment | QC       | QC     |     |       |         |         |

*- not used in Cal.*  
*CMR 6/11/2020*

Data Entered By/Date: *CMR 6/15/2020*

Comments: *PKalar IO SN 10020200612A*  
*CMR 6/15/2020*

Data Reviewed By/Date: *CMR 6/15/2020*

Method: TCDirect Run Start Time: 6/12/2020 6:56:09 P  
 Method Type: TC\_DIRECT Run End Time: 6/13/2020 3:51:09 P  
 Table: OF12047 Device ID: TOC6  
 Analyst: Administrator Run Name: SN10020200612A2

| Cup Position | Sample ID    | Weight ( mg ) | Final Result (mg/kg) | Result mg C abs | Peak Area   | Analysed Date and time |
|--------------|--------------|---------------|----------------------|-----------------|-------------|------------------------|
| A98          | prime        | 200           | 453.85               | 0.091           | 59430.11    | 6/12/2020 6:56:19 PM   |
| A1           | blank        | 200           | 26.221               | 0.005           | 3433.49     | 6/12/2020 7:07:20 PM   |
| A11          | blank        | 200           | 0                    | 0               | 0           | 6/12/2020 7:18:15 PM   |
| A1           | OF12047-CAL1 | 200           | 0                    | 0               | 0           | 6/12/2020 7:29:08 PM   |
| A2           | OF12047-CAL2 | 40            | 1046.084             | 0.042           | 27396.22    | 6/12/2020 7:40:01 PM   |
| A3           | OF12047-CAL3 | 100           | 986.71               | 0.099           | 64603.16    | 6/12/2020 7:50:47 PM   |
| A4           | OF12047-CAL4 | 200           | 1006.529             | 0.201           | 131801.52   | 6/12/2020 8:01:34 PM   |
| A5           | OF12047-CAL5 | 50            | 9869.864             | 0.493           | 323106.12   | 6/12/2020 8:12:20 PM   |
| A6           | OF12047-CAL6 | 100           | 9651.095             | 0.965           | 631888.745  | 6/12/2020 8:23:06 PM   |
| A7           | OF12047-CAL7 | 250           | 9930.506             | 2.483           | 1625456.72  | 6/12/2020 8:33:53 PM   |
| A8           | OF12047-CAL8 | 500           | 10032.55             | 5.016           | 3284319.205 | 6/12/2020 8:44:39 PM   |
| A9           | OF12047-CAL9 | 1000          | 8374.312             | 8.374           | 5482935.96  | 6/12/2020 8:55:25 PM   |
| A97          | OF12047-IBL1 | 200           | 223.681              | 0.045           | 29290.2     | 6/12/2020 9:06:11 PM   |
| A10          | OF12047-ICV1 | 200           | 9611.006             | 1.922           | 1258527.955 | 6/12/2020 9:17:12 PM   |
| A11          | OF12047-ICB1 | 200           | 83.059               | 0.017           | 10876.28    | 6/12/2020 9:28:05 PM   |
| A2           | clean2       | 200           | 42.567               | 0.009           | 5573.96     | 6/12/2020 9:38:51 PM   |
| A3           | clean3       | 200           | 34.177               | 0.007           | 4475.31     | 6/12/2020 9:49:45 PM   |
| A4           | clean4       | 200           | 28.621               | 0.006           | 3747.825    | 6/12/2020 10:00:31 PM  |
| A5           | clean5       | 200           | 24.911               | 0.005           | 3262.01     | 6/12/2020 10:11:17 PM  |
| A6           | clean6       | 200           | 34.578               | 0.007           | 4527.87     | 6/12/2020 10:22:03 PM  |
| A7           | clean7       | 200           | 87.966               | 0.018           | 11518.81    | 6/12/2020 10:32:50 PM  |
| A8           | clean8       | 200           | 64.125               | 0.013           | 8396.99     | 6/12/2020 10:43:36 PM  |
| A9           | clean9       | 200           | 46.767               | 0.009           | 6123.975    | 6/12/2020 10:54:23 PM  |
| A10          | clean10      | 200           | 77.364               | 0.015           | 10130.56    | 6/12/2020 11:05:09 PM  |
| A11          | clean11      | 200           | 0                    | 0               | 0           | 6/12/2020 11:15:55 PM  |
| A12          | clean12      | 200           | 44.373               | 0.009           | 5810.485    | 6/12/2020 11:26:42 PM  |
| A13          | clean13      | 200           | 31.964               | 0.006           | 4185.61     | 6/12/2020 11:37:28 PM  |
| A14          | clean14      | 200           | 70.487               | 0.014           | 9230.02     | 6/12/2020 11:48:15 PM  |
| A15          | clean15      | 200           | 36.199               | 0.007           | 4740.165    | 6/12/2020 11:59:02 PM  |
| A16          | clean16      | 200           | 114.512              | 0.023           | 14994.95    | 6/13/2020 12:09:49 AM  |
| A17          | clean17      | 200           | 33.567               | 0.007           | 4395.46     | 6/13/2020 12:20:36 AM  |
| A18          | clean18      | 200           | 100.617              | 0.02            | 13175.47    | 6/13/2020 12:31:23 AM  |
| A19          | clean19      | 200           | 27.591               | 0.006           | 3612.93     | 6/13/2020 12:42:10 AM  |

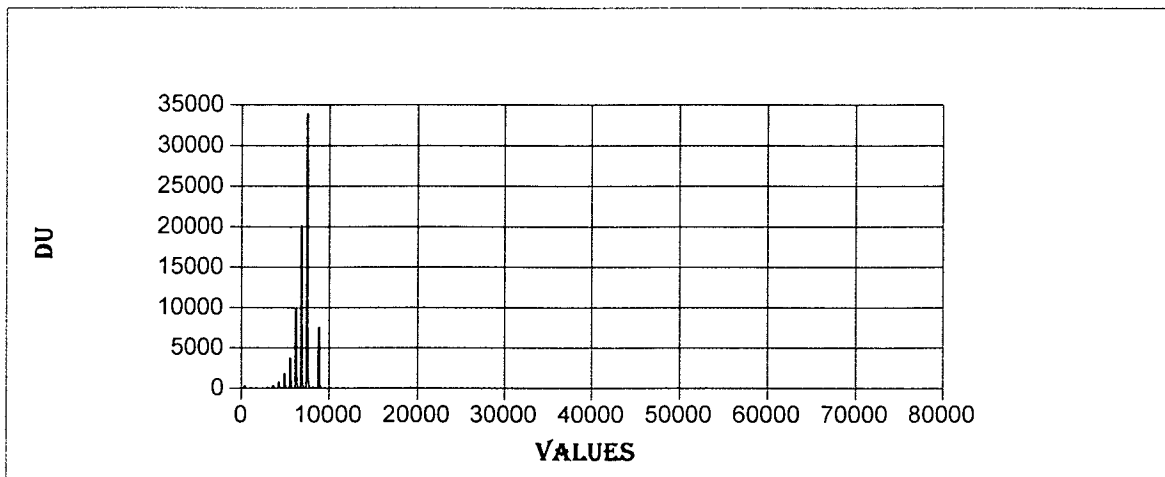
*Handwritten notes:*  
 6/11/2020  
 10.0002 = 210  
 = 495  
 = 1005  
 = 2465  
 = 4825  
 = 12415  
 = 25080  
 Not used = 41875  
 6/11/2020

|     |         |     |        |       |          |                       |
|-----|---------|-----|--------|-------|----------|-----------------------|
| A20 | clean20 | 200 | 25.074 | 0.005 | 3283.365 | 6/13/2020 12:52:57 AM |
| A21 | clean21 | 200 | 44.433 | 0.009 | 5818.305 | 6/13/2020 1:03:43 AM  |
| A22 | clean22 | 200 | 29.612 | 0.006 | 3877.545 | 6/13/2020 1:14:30 AM  |
| A23 | clean23 | 200 | 25.004 | 0.005 | 3274.16  | 6/13/2020 1:25:17 AM  |
| A24 | clean24 | 200 | 25.73  | 0.005 | 3369.22  | 6/13/2020 1:36:04 AM  |
| A25 | clean25 | 200 | 41.186 | 0.008 | 5393.15  | 6/13/2020 1:46:50 AM  |
| A26 | clean26 | 200 | 36.037 | 0.007 | 4718.87  | 6/13/2020 1:57:37 AM  |
| A27 | clean27 | 200 | 25.653 | 0.005 | 3359.2   | 6/13/2020 2:08:25 AM  |
| A28 | clean28 | 200 | 19.863 | 0.004 | 2601.02  | 6/13/2020 2:19:11 AM  |
| A29 | clean29 | 200 | 23.764 | 0.005 | 3111.82  | 6/13/2020 2:29:58 AM  |
| A30 | clean30 | 200 | 20.949 | 0.004 | 2743.26  | 6/13/2020 2:40:45 AM  |
| A31 | clean31 | 200 | 24.147 | 0.005 | 3162.005 | 6/13/2020 2:51:32 AM  |
| A32 | clean32 | 200 | 20.595 | 0.004 | 2696.875 | 6/13/2020 3:02:19 AM  |
| A33 | clean33 | 200 | 23.665 | 0.005 | 3098.89  | 6/13/2020 3:13:06 AM  |
| A34 | clean34 | 200 | 28.882 | 0.006 | 3782.025 | 6/13/2020 3:23:54 AM  |
| A35 | clean35 | 200 | 0      | 0     | 0        | 6/13/2020 3:34:40 AM  |
| A36 | clean36 | 200 | 44.626 | 0.009 | 5843.595 | 6/13/2020 3:45:27 AM  |
| A37 | clean37 | 200 | 19.638 | 0.004 | 2571.495 | 6/13/2020 3:56:14 AM  |
| A38 | clean38 | 200 | 21.878 | 0.004 | 2864.83  | 6/13/2020 4:07:01 AM  |
| A39 | clean39 | 200 | 25.279 | 0.005 | 3310.24  | 6/13/2020 4:17:48 AM  |
| A40 | clean40 | 200 | 25.911 | 0.005 | 3392.95  | 6/13/2020 4:28:35 AM  |
| A41 | clean41 | 200 | 26.379 | 0.005 | 3454.26  | 6/13/2020 4:39:22 AM  |
| A42 | clean42 | 200 | 31.203 | 0.006 | 4085.91  | 6/13/2020 4:50:23 AM  |
| A43 | clean43 | 200 | 19.855 | 0.004 | 2599.92  | 6/13/2020 5:01:17 AM  |
| A44 | clean44 | 200 | 30.656 | 0.006 | 4014.29  | 6/13/2020 5:12:11 AM  |
| A45 | clean45 | 200 | 29.298 | 0.006 | 3836.48  | 6/13/2020 5:23:05 AM  |
| A46 | clean46 | 200 | 20.438 | 0.004 | 2676.23  | 6/13/2020 5:33:59 AM  |
| A47 | clean47 | 200 | 35.044 | 0.007 | 4588.88  | 6/13/2020 5:44:54 AM  |
| A48 | clean48 | 200 | 32.419 | 0.006 | 4245.11  | 6/13/2020 5:55:48 AM  |
| A49 | clean49 | 200 | 38.954 | 0.008 | 5100.92  | 6/13/2020 6:06:43 AM  |
| A50 | clean50 | 200 | 18.247 | 0.004 | 2389.34  | 6/13/2020 6:17:38 AM  |
| A51 | clean51 | 200 | 23.7   | 0.005 | 3103.44  | 6/13/2020 6:28:33 AM  |
| A52 | clean52 | 200 | 43.793 | 0.009 | 5734.595 | 6/13/2020 6:39:28 AM  |
| A53 | clean53 | 200 | 18.501 | 0.004 | 2422.69  | 6/13/2020 6:50:21 AM  |
| A54 | clean54 | 200 | 34.99  | 0.007 | 4581.76  | 6/13/2020 7:01:11 AM  |
| A55 | clean55 | 200 | 15.414 | 0.003 | 2018.375 | 6/13/2020 7:12:05 AM  |
| A56 | clean56 | 200 | 29.155 | 0.006 | 3817.77  | 6/13/2020 7:22:59 AM  |
| A57 | clean57 | 200 | 20.275 | 0.004 | 2654.92  | 6/13/2020 7:33:54 AM  |
| A58 | clean58 | 200 | 24.978 | 0.005 | 3270.84  | 6/13/2020 7:44:48 AM  |

|     |         |     |        |       |          |                       |
|-----|---------|-----|--------|-------|----------|-----------------------|
| A59 | clean59 | 200 | 21.11  | 0.004 | 2764.225 | 6/13/2020 7:55:42 AM  |
| A60 | clean60 | 200 | 25.696 | 0.005 | 3364.755 | 6/13/2020 8:06:36 AM  |
| A61 | clean61 | 200 | 65.651 | 0.013 | 8596.76  | 6/13/2020 8:17:30 AM  |
| A62 | clean62 | 200 | 22.461 | 0.004 | 2941.185 | 6/13/2020 8:28:23 AM  |
| A63 | clean63 | 200 | 23.033 | 0.005 | 3016.15  | 6/13/2020 8:39:17 AM  |
| A64 | clean64 | 200 | 0      | 0     | 0        | 6/13/2020 8:50:12 AM  |
| A65 | clean65 | 200 | 0      | 0     | 0        | 6/13/2020 9:01:07 AM  |
| A66 | clean66 | 200 | 33.276 | 0.007 | 4357.42  | 6/13/2020 9:12:02 AM  |
| A67 | clean67 | 200 | 17.429 | 0.003 | 2282.29  | 6/13/2020 9:22:55 AM  |
| A68 | clean68 | 200 | 26.367 | 0.005 | 3452.725 | 6/13/2020 9:33:49 AM  |
| A69 | clean69 | 200 | 53.205 | 0.011 | 6967     | 6/13/2020 9:44:43 AM  |
| A70 | clean70 | 200 | 32.531 | 0.007 | 4259.835 | 6/13/2020 9:55:38 AM  |
| A71 | clean71 | 200 | 39.559 | 0.008 | 5180.175 | 6/13/2020 10:06:32 AM |
| A72 | clean72 | 200 | 20.88  | 0.004 | 2734.14  | 6/13/2020 10:17:33 AM |
| A73 | clean73 | 200 | 29.788 | 0.006 | 3900.685 | 6/13/2020 10:28:27 AM |
| A74 | clean74 | 200 | 21.963 | 0.004 | 2876.01  | 6/13/2020 10:39:20 AM |
| A75 | clean75 | 200 | 0      | 0     | 0        | 6/13/2020 10:50:15 AM |
| A76 | clean76 | 200 | 28.171 | 0.006 | 3688.935 | 6/13/2020 11:01:09 AM |
| A77 | clean77 | 200 | 18.394 | 0.004 | 2408.635 | 6/13/2020 11:12:03 AM |
| A78 | clean78 | 200 | 21.359 | 0.004 | 2796.915 | 6/13/2020 11:22:57 AM |
| A79 | clean79 | 200 | 27.365 | 0.005 | 3583.35  | 6/13/2020 11:33:51 AM |
| A80 | clean80 | 200 | 26.809 | 0.005 | 3510.515 | 6/13/2020 11:44:45 AM |
| A81 | clean81 | 200 | 35.897 | 0.007 | 4700.635 | 6/13/2020 11:55:38 AM |
| A82 | clean82 | 200 | 18.717 | 0.004 | 2450.895 | 6/13/2020 12:06:32 PM |
| A83 | clean83 | 200 | 27.338 | 0.005 | 3579.76  | 6/13/2020 12:17:27 PM |
| A84 | clean84 | 200 | 22.516 | 0.005 | 2948.34  | 6/13/2020 12:28:21 PM |
| A85 | clean85 | 200 | 32.224 | 0.006 | 4219.615 | 6/13/2020 12:39:15 PM |
| A86 | clean86 | 200 | 39.467 | 0.008 | 5168.09  | 6/13/2020 12:50:09 PM |
| A87 | clean87 | 200 | 26.503 | 0.005 | 3470.52  | 6/13/2020 1:01:02 PM  |
| A88 | clean88 | 200 | 35.237 | 0.007 | 4614.1   | 6/13/2020 1:11:55 PM  |
| A89 | clean89 | 200 | 33.581 | 0.007 | 4397.32  | 6/13/2020 1:22:48 PM  |
| A90 | clean90 | 200 | 40.785 | 0.008 | 5340.62  | 6/13/2020 1:33:44 PM  |
| A91 | clean91 | 200 | 30.827 | 0.006 | 4036.655 | 6/13/2020 1:44:40 PM  |
| A92 | clean92 | 200 | 27.587 | 0.006 | 3612.48  | 6/13/2020 1:55:42 PM  |
| A93 | clean93 | 200 | 23.897 | 0.005 | 3129.23  | 6/13/2020 2:06:42 PM  |
| A94 | clean94 | 200 | 34.201 | 0.007 | 4478.53  | 6/13/2020 2:17:44 PM  |
| A95 | clean95 | 200 | 25.22  | 0.005 | 3302.53  | 6/13/2020 2:28:45 PM  |
| A96 | clean96 | 200 | 26.398 | 0.005 | 3456.79  | 6/13/2020 2:39:45 PM  |
| A97 | clean97 | 200 | 0      | 0     | 0        | 6/13/2020 2:50:45 PM  |



|      |          |     |        |       |          |                      |
|------|----------|-----|--------|-------|----------|----------------------|
| A98  | clean98  | 200 | 56.915 | 0.011 | 7452.8   | 6/13/2020 3:01:46 PM |
| A99  | clean99  | 200 | 0      | 0     | 0        | 6/13/2020 3:12:43 PM |
| A100 | clean100 | 200 | 24.573 | 0.005 | 3217.78  | 6/13/2020 3:23:40 PM |
| A75  | clean75  | 200 | 46.699 | 0.009 | 6115.115 | 6/13/2020 3:34:42 PM |

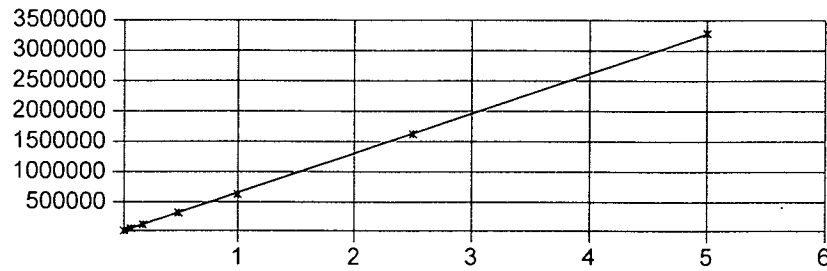


**SNACCESS**

**METHOD NAME : TCDIRECT CALIBRATION TYPE : 1 ORDER FORCED THRO ZERO GROUP : 1**

**A = 0.0000000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-**

**SQUARED = 0.99990924197382**



**Total Solids by SM2540G  
Benchsheet Data**

Batch 0080073 (A0E0670-26,27)



Apex Laboratories  
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

AUG 11 2020

BATCH #: 0080073 (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                                   |
|-------------|-----------------------|--------------|--------------------|--------------------|--------------|------------------------|------------------------|-----------------|---|
| A0E0670-26  | Dry Weight            |              | 08/04/20 11:46     |                    | 1.2531 ✓     | 25.5483 -              | 23.4403 -              | 91.3 ✓          | Use Results from TS.. Make NR once completed. |
| A0E0670-26  | Solids, Total (SM 254 |              | 08/04/20 11:46     |                    | 1.2531 ✓     | 25.5483 -              | 23.4403 -              | 91.3 ✓          | Use Results for Dry Weight (Not for Waters)   |
| 080073-DUPI | QC                    | A0E0670-26   | 08/04/20 11:46     |                    | 1.2785 -     | 25.4237 -              | 23.4142 -              | 91.7-           |   |
| A0E0670-27  | Dry Weight            |              | 08/04/20 11:46     |                    | 1.2526 -     | 25.2679 -              | 21.298 -               | 83.5 ✓          | Use Results from TS.. Make NR once completed. |
| A0E0670-27  | Solids, Total (SM 254 |              | 08/04/20 11:46     |                    | 1.2526 -     | 25.2679 -              | 21.298 .               | 83.5 ✓          | Use Results for Dry Weight (Not for Waters)   |

WVO  
Prepared By: \_\_\_\_\_  
Date: 8/5/20

CMR  
Reviewed By: \_\_\_\_\_  
Date: 8/5/2020



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

**BATCH #: 0080073 (Sediment)**

**Prep Method: Total Solids (SM2540G/PSEP)**

| # | Lab Number   | Analysis                      | Prepared       | Initial (N/A) | Final (N/A) | Spike ID | Source ID  | ul Spike | ul Surr. | Sample ID                | Extraction Comments                           | pH |     |     |
|---|--------------|-------------------------------|----------------|---------------|-------------|----------|------------|----------|----------|--------------------------|---|----|-----|-----|
|   |              |                               |                |               |             |          |            |          |          |                          |   | <2 | 2-8 | >11 |
|   | A0E0670-26   | A Dry Weight                  | 08/04/20 11:46 | 1             | 1           |          |            |          |          | PDI-174SC-A-08-09-200521 | Use Results from TS.. Make NR once completed. |    |     |     |
|   | A0E0670-26   | A Solids, Total (SM 2540 G,B) | 08/04/20 11:46 | 1             | 1           |          |            |          |          | PDI-174SC-A-08-09-200521 | Use Results for Dry Weight (Not for Waters)   |    |     |     |
|   | 0080073-DUP1 | QC                            | 08/04/20 11:46 | 1             | 1           |          | A0E0670-26 |          |          |                          |   |    |     |     |
|   | A0E0670-27   | A Dry Weight                  | 08/04/20 11:46 | 1             | 1           |          |            |          |          | PDI-174SC-A-09-10-200521 | Use Results from TS.. Make NR once completed. |    |     |     |
|   | A0E0670-27   | A Solids, Total (SM 2540 G,B) | 08/04/20 11:46 | 1             | 1           |          |            |          |          | PDI-174SC-A-09-10-200521 | Use Results for Dry Weight (Not for Waters)   |    |     |     |

**Standards/Reagents**

| Reagent(s) |           |                    | Analyte Spike(s) |           |             | Surrogate(s) |           |             |
|------------|-----------|--------------------|------------------|-----------|-------------|--------------|-----------|-------------|
| Std ID     | Exp. Date | Description        | Std ID           | Exp. Date | Description | Std ID       | Exp. Date | Description |
| A13L220    | 11/30/23  | Wet Chem Balance T |                  |           |             |              |           |             |
| A20E184    | 12/31/29  | VWR003 ✓           |                  |           |             |              |           |             |

Prepared By: WVO Date: 8/4/20

Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_



## **Balance Checksheets**

Extractions August 2020  
Sample Receiving August 2020  
Wet Chem August 2020







