



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 #:
A0D0212**

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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Dry Weight April 2020
Wet Chem April 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: A0D0212

Date: 05/18/2020

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



Apex Laboratories, LLC

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

Monday, April 27, 2020

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

RE: A0D0212 - 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 A0D0212, which was received by the laboratory on 10/15/2019 at 10:10:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 2.4 degC Cooler #2 1.3 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
 EPA ID: OR01039

| | | |
|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

| Client Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|----------|----------------|----------------|
| PDI-077SC-A-03-04-191014 | A0D0212-01 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | Sediment | 10/14/19 08:36 | 10/15/19 10:10 |

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| | | |
|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-------------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | Matrix: Sediment | | Batch: 0040417 | | C-07 | |
| Aroclor 1016 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| Aroclor 1221 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| Aroclor 1232 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| Aroclor 1242 | 12.5 | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | P-10 |
| Aroclor 1248 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| Aroclor 1254 | 19.5 | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | P-10 |
| Aroclor 1260 | 12.9 | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| Aroclor 1268 | ND | 1.16 | 2.30 | ug/kg dry | 1 | 04/14/20 10:45 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 51 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/14/20 10:45</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-04-05-191014 (A0D0212-02) | | | Matrix: Sediment | | Batch: 0040376 | | C-07 | |
| Aroclor 1016 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| Aroclor 1221 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| Aroclor 1232 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| Aroclor 1242 | 16.4 | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | P-10 |
| Aroclor 1248 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| Aroclor 1254 | 37.2 | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | P-10 |
| Aroclor 1260 | 17.6 | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| Aroclor 1268 | ND | 1.26 | 2.51 | ug/kg dry | 1 | 04/13/20 15:17 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 75 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/13/20 15:17</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | Matrix: Sediment | | Batch: 0040376 | | C-07 | |
| Aroclor 1016 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |
| Aroclor 1221 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |
| Aroclor 1232 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |
| Aroclor 1242 | 14.5 | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | P-10 |
| Aroclor 1248 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |
| Aroclor 1254 | 21.7 | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | P-10 |
| Aroclor 1260 | 14.1 | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |
| Aroclor 1268 | ND | 1.06 | 2.10 | ug/kg dry | 1 | 04/13/20 15:52 | EPA 8082A | |

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|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | | Matrix: Sediment | | Batch: 0040376 | | C-07 |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 56 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/13/20 15:52</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | | Matrix: Sediment | | Batch: 0040376 | | C-07 |
| Aroclor 1016 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| Aroclor 1221 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| Aroclor 1232 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| Aroclor 1242 | 12.0 | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | P-10 |
| Aroclor 1248 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| Aroclor 1254 | ND | 21.2 | 22.5 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | R-02 |
| Aroclor 1260 | 16.1 | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| Aroclor 1268 | ND | 1.08 | 2.14 | ug/kg dry | 1 | 04/13/20 16:28 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 81 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/13/20 16:28</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | | Matrix: Sediment | | Batch: 0040376 | | C-07 |
| Aroclor 1016 | ND | 4.87 | 4.87 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1221 | ND | 3.24 | 3.24 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1232 | ND | 6.81 | 6.81 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1242 | ND | 6.49 | 6.49 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1248 | ND | 11.4 | 11.4 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1254 | ND | 22.6 | 22.7 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | R-02 |
| Aroclor 1260 | 25.4 | 1.09 | 2.16 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | |
| Aroclor 1262 | ND | 1.09 | 2.16 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | |
| Aroclor 1268 | ND | 1.09 | 2.16 | ug/kg dry | 1 | 04/13/20 17:03 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 66 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/13/20 17:03</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-08-09-191014 (A0D0212-06RE1) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1016 | ND | 2.19 | 2.19 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1221 | ND | 16.7 | 16.7 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1232 | ND | 4.22 | 4.22 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1242 | ND | 2.81 | 2.81 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1248 | ND | 9.22 | 9.22 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1254 | ND | 26.6 | 26.6 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | R-02 |
| Aroclor 1260 | 36.0 | 1.05 | 2.08 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | |

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|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| PDI-077SC-A-08-09-191014 (A0D0212-06RE1) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1262 | ND | 1.05 | 2.08 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | |
| Aroclor 1268 | ND | 1.05 | 2.08 | ug/kg dry | 1 | 04/17/20 07:59 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 53 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/17/20 07:59</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1016 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| Aroclor 1221 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| Aroclor 1232 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| Aroclor 1242 | 2.19 | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | P-10 |
| Aroclor 1248 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| Aroclor 1254 | 3.02 | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | P-10 |
| Aroclor 1260 | 2.49 | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | P-10 |
| Aroclor 1262 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| Aroclor 1268 | ND | 0.852 | 1.69 | ug/kg dry | 1 | 04/14/20 11:03 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 68 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/14/20 11:03</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1016 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1221 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1232 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1242 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1248 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1254 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1260 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1262 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| Aroclor 1268 | ND | 0.859 | 1.71 | ug/kg dry | 1 | 04/14/20 11:38 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 70 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/14/20 11:38</i> | <i>EPA 8082A</i> |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1016 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1221 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1232 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1242 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |

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6700 S.W. Sandburg Street
 Tigard, OR 97223
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 EPA ID: OR01039

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | | Matrix: Sediment | | Batch: 0040417 | | C-07 |
| Aroclor 1248 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1254 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1260 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1262 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| Aroclor 1268 | ND | 0.868 | 1.72 | ug/kg dry | 1 | 04/14/20 12:13 | EPA 8082A | |
| <i>Surrogate: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 68 %</i> | | <i>Limits: 43-120 %</i> | | <i>1</i> | <i>04/14/20 12:13</i> | <i>EPA 8082A</i> |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|------------------------|-------------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-077SC-A-03-04-191014 (A0D0212-01RE1) | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 | |
| 2,4'-DDD | ND | 6.83 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| 2,4'-DDE | ND | 6.83 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| 2,4'-DDT | ND | 6.83 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| 4,4'-DDD | 19.1 | 3.42 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| 4,4'-DDE | 13.9 | 3.42 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| 4,4'-DDT | 11.2 | 3.42 | 6.83 | ug/kg dry | 2 | 04/20/20 14:49 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 70 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>04/20/20 14:49</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>93 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>04/20/20 14:49</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) | | | Matrix: Sediment | | Batch: 0040379 | | C-05, H-08 | |
| 2,4'-DDD | ND | 7.64 | 7.64 | ug/kg dry | 2 | 04/15/20 19:08 | EPA 8081B | |
| 2,4'-DDE | ND | 7.64 | 7.64 | ug/kg dry | 2 | 04/15/20 19:08 | EPA 8081B | |
| 4,4'-DDD | 22.8 | 3.82 | 7.64 | ug/kg dry | 2 | 04/15/20 19:08 | EPA 8081B | |
| 4,4'-DDE | 11.3 | 3.82 | 7.64 | ug/kg dry | 2 | 04/15/20 19:08 | EPA 8081B | |
| 4,4'-DDT | ND | 7.64 | 7.64 | ug/kg dry | 2 | 04/15/20 19:08 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 92 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>04/15/20 19:08</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>95 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>04/15/20 19:08</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE2) | | | Matrix: Sediment | | Batch: 0040379 | | C-05, H-08 | |
| 2,4'-DDT | ND | 3.82 | 7.64 | ug/kg dry | 2 | 04/17/20 18:06 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 100 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>04/17/20 18:06</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>103 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>04/17/20 18:06</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-05-06-191014 (A0D0212-03RE1) | | | Matrix: Sediment | | Batch: 0040379 | | C-05, H-08 | |
| 2,4'-DDD | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/15/20 15:26 | EPA 8081B | |
| 2,4'-DDE | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/15/20 15:26 | EPA 8081B | |
| 4,4'-DDD | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/15/20 15:26 | EPA 8081B | |
| 4,4'-DDE | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/15/20 15:26 | EPA 8081B | |
| 4,4'-DDT | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/15/20 15:26 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 70 %</i> | | <i>Limits: 42-129 %</i> | | <i>1</i> | <i>04/15/20 15:26</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>72 %</i> | | <i>55-130 %</i> | | <i>1</i> | <i>04/15/20 15:26</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-05-06-191014 (A0D0212-03RE2) | | | Matrix: Sediment | | Batch: 0040379 | | C-05, H-08 | |
| 2,4'-DDT | ND | 1.56 | 3.12 | ug/kg dry | 1 | 04/17/20 14:21 | EPA 8081B | |

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Darwin Thomas, Business Development Director



| | | |
|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|------------------------|-----------------|-------------------------|----------|-----------------------|-------------|-------------------|
| PDI-077SC-A-05-06-191014 (A0D0212-03RE2) | | | | Matrix: Sediment | | Batch: 0040379 | | C-05, H-08 |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 77 %</i> | | <i>Limits: 42-129 %</i> | 1 | 04/17/20 14:21 | EPA 8081B | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>77 %</i> | | <i>55-130 %</i> | 1 | 04/17/20 14:21 | EPA 8081B | |
| PDI-077SC-A-06-07-191014 (A0D0212-04RE1) | | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 |
| 2,4'-DDD | 54.4 | 7.82 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | |
| 2,4'-DDE | 22.2 | 7.82 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | |
| 2,4'-DDT | ND | 15.6 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | |
| 4,4'-DDD | 140 | 7.82 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | |
| 4,4'-DDE | 22.7 | 7.82 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | P-11 |
| 4,4'-DDT | 56.9 | 7.82 | 15.6 | ug/kg dry | 5 | 04/20/20 18:14 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 96 %</i> | | <i>Limits: 42-129 %</i> | 5 | 04/20/20 18:14 | EPA 8081B | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>108 %</i> | | <i>55-130 %</i> | 5 | 04/20/20 18:14 | EPA 8081B | |
| PDI-077SC-A-07-08-191014 (A0D0212-05RE1) | | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 |
| 2,4'-DDD | 141 | 8.16 | 16.3 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | |
| 2,4'-DDE | 58.2 | 8.16 | 16.3 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | |
| 2,4'-DDT | ND | 17.9 | 17.9 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | R-02 |
| 4,4'-DDD | 278 | 8.16 | 16.3 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | |
| 4,4'-DDE | 65.9 | 8.16 | 16.3 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | P-11 |
| 4,4'-DDT | 127 | 8.16 | 16.3 | ug/kg dry | 5 | 04/20/20 18:52 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 100 %</i> | | <i>Limits: 42-129 %</i> | 5 | 04/20/20 18:52 | EPA 8081B | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>103 %</i> | | <i>55-130 %</i> | 5 | 04/20/20 18:52 | EPA 8081B | |
| PDI-077SC-A-08-09-191014 (A0D0212-06RE1) | | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 |
| 2,4'-DDD | 93.1 | 3.00 | 6.00 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | |
| 2,4'-DDE | 31.2 | 3.00 | 6.00 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | |
| 2,4'-DDT | ND | 6.90 | 6.90 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | R-02 |
| 4,4'-DDD | 198 | 3.00 | 6.00 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | |
| 4,4'-DDE | 28.0 | 3.00 | 6.00 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | P-11 |
| 4,4'-DDT | 52.5 | 3.00 | 6.00 | ug/kg dry | 2 | 04/20/20 19:30 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 73 %</i> | | <i>Limits: 42-129 %</i> | 2 | 04/20/20 19:30 | EPA 8081B | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>110 %</i> | | <i>55-130 %</i> | 2 | 04/20/20 19:30 | EPA 8081B | |
| PDI-077SC-A-09-10-191014 (A0D0212-07RE1) | | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 |

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Darwin Thomas, Business Development Director



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|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|---|---------------|-----------------------|-------------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|
| PDI-077SC-A-09-10-191014 (A0D0212-07RE1) | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 | |
| 2,4'-DDD | 6.33 | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| 2,4'-DDE | ND | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| 2,4'-DDT | ND | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| 4,4'-DDD | 19.6 | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| 4,4'-DDE | ND | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| 4,4'-DDT | 7.43 | 2.49 | 4.99 | ug/kg dry | 2 | 04/20/20 20:08 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 93 %</i> | | <i>Limits: 42-129 %</i> | | <i>2</i> | <i>04/20/20 20:08</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>111 %</i> | | <i>55-130 %</i> | | <i>2</i> | <i>04/20/20 20:08</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-10-11-191014 (A0D0212-08RE1) | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 | |
| 2,4'-DDD | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| 2,4'-DDE | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| 2,4'-DDT | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| 4,4'-DDD | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| 4,4'-DDE | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| 4,4'-DDT | ND | 1.22 | 2.45 | ug/kg dry | 1 | 04/20/20 14:15 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 60 %</i> | | <i>Limits: 42-129 %</i> | | <i>1</i> | <i>04/20/20 14:15</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>80 %</i> | | <i>55-130 %</i> | | <i>1</i> | <i>04/20/20 14:15</i> | <i>EPA 8081B</i> |
| PDI-077SC-A-11-12-191014 (A0D0212-09RE1) | | | Matrix: Sediment | | Batch: 0040473 | | C-05, H-08 | |
| 2,4'-DDD | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| 2,4'-DDE | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| 2,4'-DDT | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| 4,4'-DDD | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| 4,4'-DDE | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| 4,4'-DDT | ND | 1.27 | 2.55 | ug/kg dry | 1 | 04/20/20 14:32 | EPA 8081B | |
| <i>Surrogate: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 59 %</i> | | <i>Limits: 42-129 %</i> | | <i>1</i> | <i>04/20/20 14:32</i> | <i>EPA 8081B</i> |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>82 %</i> | | <i>55-130 %</i> | | <i>1</i> | <i>04/20/20 14:32</i> | <i>EPA 8081B</i> |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | |
|--|---------------|------------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|-------------|
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | Matrix: Sediment | | Batch: 0040357 | | H-08 | |
| Acenaphthene | 12900 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Acenaphthylene | ND | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Anthracene | 10900 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Benz(a)anthracene | 7840 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Benzo(a)pyrene | 8160 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Benzo(b)fluoranthene | 6530 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Benzo(k)fluoranthene | ND | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Benzo(g,h,i)perylene | 5170 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Chrysene | 8990 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Dibenz(a,h)anthracene | ND | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Fluoranthene | 29400 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| Fluorene | 10800 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Indeno(1,2,3-cd)pyrene | 4640 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | Q-42 | |
| 2-Methylnaphthalene | ND | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Naphthalene | ND | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Phenanthrene | 47700 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| Pyrene | 28200 | --- | 4280 | ug/kg dry | 1000 | 04/10/20 20:39 | EPA 8270D | | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 222 %</i> | | <i>Limits: 44-120 %</i> | | <i>1000</i> | <i>04/10/20 20:39</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>451 %</i> | | <i>54-127 %</i> | | <i>1000</i> | <i>04/10/20 20:39</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|---|-------|-----|------|-------------------------|-----|-----------------------|-----------|-------------|
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) | | | | Matrix: Sediment | | Batch: 0040356 | | H-08 |
| Acenaphthene | 14500 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Acenaphthylene | ND | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Anthracene | 7400 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Benz(a)anthracene | 4760 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Benzo(a)pyrene | 4670 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Benzo(b)fluoranthene | 3920 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Benzo(k)fluoranthene | ND | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Benzo(g,h,i)perylene | 3050 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Chrysene | 5440 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Fluoranthene | 17900 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |
| Fluorene | 11000 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | |
|---|---------------|------------------------|-------------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|-------------|
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) | | | Matrix: Sediment | | Batch: 0040356 | | H-08 | | |
| Indeno(1,2,3-cd)pyrene | 2630 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | | |
| 2-Methylnaphthalene | ND | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | | |
| Naphthalene | ND | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | | |
| Phenanthrene | 34900 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | | |
| Pyrene | 17800 | --- | 1940 | ug/kg dry | 400 | 04/13/20 18:19 | EPA 8270D | | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 132 %</i> | | <i>Limits: 44-120 %</i> | | <i>400</i> | <i>04/13/20 18:19</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>216 %</i> | | <i>54-127 %</i> | | <i>400</i> | <i>04/13/20 18:19</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | | |
|--|--------|------------------------|-------------------------|-------------------------|-----------------------|----------------|-----------------------|------------------|-------------|
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | Matrix: Sediment | | Batch: 0040356 | | H-08 | | |
| Acenaphthene | 49900 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Acenaphthylene | 6220 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Anthracene | 35200 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Benz(a)anthracene | 25600 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Benzo(a)pyrene | 30000 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Benzo(b)fluoranthene | 24000 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Benzo(k)fluoranthene | 7660 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | M-05 | |
| Benzo(g,h,i)perylene | 21100 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Chrysene | 29700 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Dibenz(a,h)anthracene | ND | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Fluoranthene | 84700 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Fluorene | 29300 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Indeno(1,2,3-cd)pyrene | 17700 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| 2-Methylnaphthalene | 41000 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Naphthalene | 4430 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Phenanthrene | 159000 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| Pyrene | 100000 | --- | 3850 | ug/kg dry | 1000 | 04/13/20 10:48 | EPA 8270D | | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 220 %</i> | | <i>Limits: 44-120 %</i> | | <i>1000</i> | <i>04/13/20 10:48</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>320 %</i> | | <i>54-127 %</i> | | <i>1000</i> | <i>04/13/20 10:48</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|--|-------|-----|-------------------------|-----------|-----------------------|----------------|-------------|--|
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | Matrix: Sediment | | Batch: 0040356 | | H-08 | |
| Acenaphthene | 33500 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | |
| Acenaphthylene | 5050 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | |
| Anthracene | 26000 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | |

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Darwin Thomas, Business Development Director



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|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes | |
|--|---------------|------------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|-------------|
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | | Matrix: Sediment | | Batch: 0040356 | | H-08 | |
| Benz(a)anthracene | 20800 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Benzo(a)pyrene | 27400 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Benzo(b)fluoranthene | 22100 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Benzo(k)fluoranthene | 6830 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | M-05 | |
| Benzo(g,h,i)perylene | 21400 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Chrysene | 24100 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Dibenz(a,h)anthracene | ND | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Fluoranthene | 69200 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Fluorene | 20100 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Indeno(1,2,3-cd)pyrene | 17300 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| 2-Methylnaphthalene | 20600 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Naphthalene | 6280 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Phenanthrene | 116000 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| Pyrene | 83100 | --- | 3830 | ug/kg dry | 1000 | 04/13/20 11:20 | EPA 8270D | | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 190 %</i> | | <i>Limits: 44-120 %</i> | | <i>1000</i> | <i>04/13/20 11:20</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>300 %</i> | | <i>54-127 %</i> | | <i>1000</i> | <i>04/13/20 11:20</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|--|-------|-----|------|-------------------------|------|-----------------------|-----------|-------------|
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | | Matrix: Sediment | | Batch: 0040356 | | H-08 |
| Acenaphthene | 41900 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Acenaphthylene | 4810 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Anthracene | 29800 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Benz(a)anthracene | 22100 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Benzo(a)pyrene | 26600 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Benzo(b)fluoranthene | 22100 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Benzo(k)fluoranthene | 6550 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | M-05 |
| Benzo(g,h,i)perylene | 18700 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Chrysene | 27300 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Fluoranthene | 81700 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Fluorene | 24300 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 16000 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| 2-Methylnaphthalene | 16200 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Naphthalene | 6030 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |

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|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|------------------------|-------------------------|------------------------------|-----------------------|-----------------------|------------------|-------------|
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | Matrix: Sediment | | Batch: 0040356 | | H-08 | |
| Phenanthrene | 138000 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| Pyrene | 95800 | --- | 3960 | ug/kg dry | 1000 | 04/13/20 11:52 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 210 %</i> | | <i>Limits: 44-120 % 1000</i> | | <i>04/13/20 11:52</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>320 %</i> | | <i>54-127 % 1000</i> | | <i>04/13/20 11:52</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|--|-------|------------------------|-------------------------|------------------------------|-----------------------|-----------------------|------------------|-------------|
| PDI-077SC-A-08-09-191014 (A0D0212-06) | | | Matrix: Sediment | | Batch: 0040357 | | H-08 | |
| Acenaphthene | 13000 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Acenaphthylene | ND | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Anthracene | 8100 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Benz(a)anthracene | 7130 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Benzo(a)pyrene | 9610 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Benzo(b)fluoranthene | 7440 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Benzo(k)fluoranthene | ND | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Benzo(g,h,i)perylene | 7030 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Chrysene | 9010 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Fluoranthene | 26400 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Fluorene | 7560 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 6160 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| 2-Methylnaphthalene | ND | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Naphthalene | ND | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Phenanthrene | 42600 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| Pyrene | 31300 | --- | 3870 | ug/kg dry | 1000 | 04/13/20 12:24 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 180 %</i> | | <i>Limits: 44-120 % 1000</i> | | <i>04/13/20 12:24</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>200 %</i> | | <i>54-127 % 1000</i> | | <i>04/13/20 12:24</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|--|------|-----|-------------------------|-----------|-----------------------|----------------|-------------|--|
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | Matrix: Sediment | | Batch: 0040357 | | H-08 | |
| Acenaphthene | 5990 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Acenaphthylene | ND | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Anthracene | 4710 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Benz(a)anthracene | 5490 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Benzo(a)pyrene | 6960 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Benzo(b)fluoranthene | 5730 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |

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|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|------------------------|-------------------------|------------------------------|----------|-----------------------|------------------|-------------|
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | Matrix: Sediment | | | Batch: 0040357 | | H-08 |
| Benzo(k)fluoranthene | ND | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Benzo(g,h,i)perylene | 5180 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Chrysene | 6650 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Fluoranthene | 18200 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Fluorene | 3760 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 4320 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| 2-Methylnaphthalene | ND | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Naphthalene | ND | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Phenanthrene | 27200 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| Pyrene | 22800 | --- | 3130 | ug/kg dry | 1000 | 04/13/20 12:56 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 240 %</i> | | <i>Limits: 44-120 % 1000</i> | | <i>04/13/20 12:56</i> | <i>EPA 8270D</i> | <i>S-05</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>270 %</i> | | <i>54-127 % 1000</i> | | <i>04/13/20 12:56</i> | <i>EPA 8270D</i> | <i>S-05</i> |

| | | | | | | | | |
|--|-------------|-----------------------|-------------------------|---------------------------|---|-----------------------|------------------|-------------|
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | Matrix: Sediment | | | Batch: 0040357 | | H-08 |
| Acenaphthene | 15.8 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Acenaphthylene | ND | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Anthracene | 8.52 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Benz(a)anthracene | 11.5 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Benzo(a)pyrene | 13.3 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Benzo(b)fluoranthene | 10.7 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Benzo(k)fluoranthene | 3.54 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | M-05 |
| Benzo(g,h,i)perylene | 9.47 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Chrysene | 13.8 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Fluoranthene | 38.3 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Fluorene | 10.0 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | 8.08 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| 2-Methylnaphthalene | 7.71 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Naphthalene | 17.3 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Phenanthrene | 63.7 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| Pyrene | 46.4 | --- | 3.14 | ug/kg dry | 1 | 04/13/20 17:14 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 75 %</i> | | <i>Limits: 44-120 % 1</i> | | <i>04/13/20 17:14</i> | <i>EPA 8270D</i> | |

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|--|---|--|

ANALYTICAL SAMPLE RESULTS

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

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------------|-----------------|-------------------------|----------|-----------------------|-----------------------|------------------|
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | | Matrix: Sediment | | Batch: 0040357 | | H-08 |
| <i>Surrogate: p-Terphenyl-d14 (Surr)</i> | | <i>Recovery: 81 %</i> | | <i>Limits: 54-127 %</i> | | <i>1</i> | <i>04/13/20 17:14</i> | <i>EPA 8270D</i> |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | | Matrix: Sediment | | Batch: 0040357 | | H-08 |
| Acenaphthene | 5.40 | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Acenaphthylene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Anthracene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Benz(a)anthracene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Benzo(a)pyrene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Benzo(b)fluoranthene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Benzo(k)fluoranthene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Benzo(g,h,i)perylene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Chrysene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Dibenz(a,h)anthracene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Fluoranthene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Fluorene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Indeno(1,2,3-cd)pyrene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| 2-Methylnaphthalene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Naphthalene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Phenanthrene | 4.38 | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| Pyrene | ND | --- | 3.02 | ug/kg dry | 1 | 04/13/20 17:47 | EPA 8270D | |
| <i>Surrogate: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 76 %</i> | | <i>Limits: 44-120 %</i> | | <i>1</i> | <i>04/13/20 17:47</i> | <i>EPA 8270D</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>85 %</i> | | <i>54-127 %</i> | | <i>1</i> | <i>04/13/20 17:47</i> | <i>EPA 8270D</i> |

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|--|---|--|

ANALYTICAL SAMPLE RESULTS

| Demand Parameters | | | | | | | | |
|--|---------------|-----------------|-----------------|-------------------------|----------|----------------|---------------|-------------|
| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 2.0 | --- | 0.020 | % by Weight | 1 | 04/18/20 00:19 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-04-05-191014 (A0D0212-02) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 2.3 | --- | 0.020 | % by Weight | 1 | 04/18/20 01:13 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 2.7 | --- | 0.020 | % by Weight | 1 | 04/18/20 01:24 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 2.6 | --- | 0.020 | % by Weight | 1 | 04/18/20 01:34 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 3.9 | --- | 0.020 | % by Weight | 1 | 04/18/20 01:45 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-08-09-191014 (A0D0212-06) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 2.8 | --- | 0.020 | % by Weight | 1 | 04/18/20 01:56 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 0.69 | --- | 0.020 | % by Weight | 1 | 04/18/20 02:07 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 0.059 | --- | 0.020 | % by Weight | 1 | 04/18/20 02:18 | SM 5310 B MOD | H-08 |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | | Matrix: Sediment | | | | |
| Batch: 0040469 | | | | | | | | |
| Total Organic Carbon | 0.048 | --- | 0.020 | % by Weight | 1 | 04/18/20 02:29 | SM 5310 B MOD | H-08 |

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| | | |
|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

| Analyte | Sample Result | Detection Limit | Reporting Limit | Units | Dilution | Date Analyzed | Method Ref. | Notes |
|--|---------------|-----------------|-----------------|-------------------------|----------|----------------|-------------|-------------|
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 56.7 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-04-05-191014 (A0D0212-02) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 51.5 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 62.1 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 61.8 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 60.3 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-08-09-191014 (A0D0212-06) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 62.8 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 77.8 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 76.7 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | | Matrix: Sediment | | | | |
| Batch: 0040460 | | | | | | | | |
| Total Solids | 76.5 | 1.00 | 1.00 | % by Weight | 1 | 04/17/20 16:03 | SM 2540 G | H-08 |

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| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-----------------|------------------|----------|---|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040376 - EPA 3546 | | | | | | Sediment | | | | | | |
| Blank (0040376-BLK1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 08:15 | | | | | | C-07 |
| <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 | --- | --- | --- | --- | --- | --- | |
| Surr: Decachlorobiphenyl (Surr) | | Recovery: 84 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| LCS (0040376-BS1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 08:32 | | | | | | C-07 |
| <u>EPA 8082A</u> | | | | | | | | | | | | |
| Aroclor 1016 | 42.9 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 51 | 47-134% | --- | --- | |
| Aroclor 1260 | 61.8 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 74 | 53-140% | --- | --- | |
| Surr: Decachlorobiphenyl (Surr) | | Recovery: 73 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| Duplicate (0040376-DUP1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 09:25 | | | | | | C-07 |
| <u>QC Source Sample: Non-SDG (A0D0196-01)</u> | | | | | | | | | | | | |
| Aroclor 1016 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1221 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1232 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1242 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1248 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1254 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1260 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1262 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1268 | ND | 0.793 | 1.57 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Surr: Decachlorobiphenyl (Surr) | | Recovery: 82 % | | Limits: 43-120 % | | Dilution: 1x | | | | | | |
| Matrix Spike (0040376-MS1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 10:00 | | | | | | C-07 |
| <u>QC Source Sample: Non-SDG (A0D0196-01)</u> | | | | | | | | | | | | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------|
| Batch 0040376 - EPA 3546 | | | | | | Sediment | | | | | | |
| Matrix Spike (0040376-MS1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 10:00 | | | | | | C-07 |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| EPA 8082A | | | | | | | | | | | | |
| Aroclor 1016 | 57.0 | 0.798 | 1.58 | ug/kg dry | 1 | 99.2 | ND | 57 | 47-134% | --- | --- | |
| Aroclor 1260 | 77.5 | 0.798 | 1.58 | ug/kg dry | 1 | 99.2 | ND | 78 | 53-140% | --- | --- | |
| <i>Surr: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 89 %</i> | | <i>Limits: 43-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| Matrix Spike Dup (0040376-MSD1) | | | | | | Prepared: 04/10/20 10:37 Analyzed: 04/13/20 10:35 | | | | | | C-07 |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| Aroclor 1016 | 55.2 | 0.795 | 1.58 | ug/kg dry | 1 | 98.9 | ND | 56 | 47-134% | 3 | 30% | |
| Aroclor 1260 | 73.2 | 0.795 | 1.58 | ug/kg dry | 1 | 98.9 | ND | 74 | 53-140% | 6 | 30% | |
| <i>Surr: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 84 %</i> | | <i>Limits: 43-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|---|-------------|-----------------|-----------------|-----------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040417 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Blank (0040417-BLK1) Prepared: 04/13/20 09:27 Analyzed: 04/14/20 10:10 C-07 | | | | | | | | | | | | |
| <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 | --- | --- | --- | --- | --- | --- | |
| Surr: Decachlorobiphenyl (Surr) Recovery: 80 % Limits: 43-120 % Dilution: 1x | | | | | | | | | | | | |
| LCS (0040417-BS1) Prepared: 04/13/20 09:27 Analyzed: 04/14/20 10:27 C-07 | | | | | | | | | | | | |
| <u>EPA 8082A</u> | | | | | | | | | | | | |
| Aroclor 1016 | 45.3 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 54 | 47-134% | --- | --- | |
| Aroclor 1260 | 60.9 | 0.670 | 1.33 | ug/kg wet | 1 | 83.3 | --- | 73 | 53-140% | --- | --- | |
| Surr: Decachlorobiphenyl (Surr) Recovery: 77 % Limits: 43-120 % Dilution: 1x | | | | | | | | | | | | |
| Duplicate (0040417-DUP1) Prepared: 04/13/20 09:27 Analyzed: 04/14/20 11:20 C-07 | | | | | | | | | | | | |
| <u>QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01)</u> | | | | | | | | | | | | |
| <u>EPA 8082A</u> | | | | | | | | | | | | |
| Aroclor 1016 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1221 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1232 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1242 | 11.6 | 1.16 | 2.30 | ug/kg dry | 1 | --- | 12.5 | --- | --- | 7 | 30% | P-10 |
| Aroclor 1248 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1254 | 20.0 | 1.16 | 2.30 | ug/kg dry | 1 | --- | 19.5 | --- | --- | 2 | 30% | P-10 |
| Aroclor 1260 | 13.6 | 1.16 | 2.30 | ug/kg dry | 1 | --- | 12.9 | --- | --- | 5 | 30% | P-10 |
| Aroclor 1262 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Aroclor 1268 | ND | 1.16 | 2.30 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Surr: Decachlorobiphenyl (Surr) Recovery: 53 % Limits: 43-120 % Dilution: 1x | | | | | | | | | | | | |
| Matrix Spike (0040417-MS1) Prepared: 04/13/20 09:27 Analyzed: 04/14/20 11:55 C-07 | | | | | | | | | | | | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------|
| Batch 0040417 - EPA 3546 | | | | | | Sediment | | | | | | |
| Matrix Spike (0040417-MS1) | | | | | | Prepared: 04/13/20 09:27 Analyzed: 04/14/20 11:55 | | | | | | C-07 |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| EPA 8082A | | | | | | | | | | | | |
| Aroclor 1016 | 95.2 | 1.16 | 2.30 | ug/kg dry | 1 | 144 | ND | 66 | 47-134% | --- | --- | |
| Aroclor 1260 | 89.3 | 1.16 | 2.30 | ug/kg dry | 1 | 144 | 12.9 | 53 | 53-140% | --- | --- | |
| <i>Surr: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 45 %</i> | | <i>Limits: 43-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| Matrix Spike Dup (0040417-MSD1) | | | | | | Prepared: 04/13/20 09:28 Analyzed: 04/14/20 12:31 | | | | | | C-07 |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| EPA 8082A | | | | | | | | | | | | |
| Aroclor 1016 | 102 | 1.16 | 2.30 | ug/kg dry | 1 | 144 | ND | 71 | 47-134% | 7 | 30% | |
| Aroclor 1260 | 93.4 | 1.16 | 2.30 | ug/kg dry | 1 | 144 | 12.9 | 56 | 53-140% | 4 | 30% | |
| <i>Surr: Decachlorobiphenyl (Surr)</i> | | <i>Recovery: 53 %</i> | | <i>Limits: 43-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes | |
|--|--------|-----------------|---|------------------|----------|-----------------|---------------|-------|-------------------|-----|-----------|-------|--|
| Batch 0040379 - EPA 3546/3640A (GPC) | | | | | | Sediment | | | | | | | |
| Blank (0040379-BLK1) | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 13:13 | | | | | | C-05 | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | | |
| 2,4'-DDD | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| 2,4'-DDE | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| 2,4'-DDT | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| 4,4'-DDD | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| 4,4'-DDE | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| 4,4'-DDT | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 68 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 85 % | | 55-130 % | | " | | | | | | | |
| LCS (0040379-BS1) | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 13:30 | | | | | | C-05 | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | | |
| 2,4'-DDD | 48.4 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 97 | 50-150% | --- | --- | | |
| 2,4'-DDE | 43.5 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 87 | 50-150% | --- | --- | | |
| 2,4'-DDT | 57.2 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 114 | 50-150% | --- | --- | | |
| 4,4'-DDD | 48.5 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 97 | 50-150% | --- | --- | | |
| 4,4'-DDE | 48.0 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 96 | 50-150% | --- | --- | | |
| 4,4'-DDT | 58.9 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 118 | 50-150% | --- | --- | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 70 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 85 % | | 55-130 % | | " | | | | | | | |
| Duplicate (0040379-DUP1) | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 14:05 | | | | | | C-05, H-08 | | | | |
| <u>QC Source Sample: Non-SDG (A0D0196-01RE1)</u> | | | | | | | | | | | | | |
| 2,4'-DDD | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| 2,4'-DDE | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| 2,4'-DDT | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| 4,4'-DDD | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| 4,4'-DDE | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| 4,4'-DDT | ND | 1.17 | 2.34 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 66 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 84 % | | 55-130 % | | " | | | | | | | |
| Matrix Spike (0040379-MS1) | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 14:22 | | | | | | C-05, H-08 | | | | |

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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:
A0D0212 - 04 27 20 0933

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes | |
|--|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------------|--|
| Batch 0040379 - EPA 3546/3640A (GPC) | | | | | | Sediment | | | | | | | |
| Matrix Spike (0040379-MS1) | | | | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 14:22 | | | | | | C-05, H-08 | |
| QC Source Sample: Non-SDG (A0D0196-01RE1) | | | | | | | | | | | | | |
| EPA 8081B | | | | | | | | | | | | | |
| 2,4'-DDD | 57.0 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 98 | 50-150% | --- | --- | | |
| 2,4'-DDE | 52.6 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 91 | 50-150% | --- | --- | | |
| 2,4'-DDT | 69.7 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 120 | 50-150% | --- | --- | | |
| 4,4'-DDD | 58.1 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 100 | 50-150% | --- | --- | | |
| 4,4'-DDE | 57.7 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 99 | 50-150% | --- | --- | | |
| 4,4'-DDT | 69.5 | 1.16 | 2.32 | ug/kg dry | 1 | 58.0 | ND | 120 | 50-150% | --- | --- | | |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 74 %</i> | | <i>Limits: 42-129 %</i> | | <i>Dilution: 1x</i> | | | | | | | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>84 %</i> | | <i>55-130 %</i> | | <i>"</i> | | | | | | | |

| | | | | | | | | | | | | | |
|--|------|-----------------------|------|-------------------------|---|---|----|-----|---------|----|-----|-------------------|--|
| Matrix Spike Dup (0040379-MSD1) | | | | | | Prepared: 04/10/20 08:28 Analyzed: 04/14/20 14:39 | | | | | | C-05, H-08 | |
| QC Source Sample: Non-SDG (A0D0196-01RE1) | | | | | | | | | | | | | |
| 2,4'-DDD | 54.9 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 96 | 50-150% | 4 | 30% | | |
| 2,4'-DDE | 47.5 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 83 | 50-150% | 10 | 30% | | |
| 2,4'-DDT | 65.3 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 114 | 50-150% | 7 | 30% | | |
| 4,4'-DDD | 55.5 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 97 | 50-150% | 5 | 30% | | |
| 4,4'-DDE | 53.2 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 93 | 50-150% | 8 | 30% | | |
| 4,4'-DDT | 67.2 | 1.14 | 2.29 | ug/kg dry | 1 | 57.1 | ND | 118 | 50-150% | 3 | 30% | | |
| <i>Surr: 2,4,5,6-TCMX (Surr)</i> | | <i>Recovery: 75 %</i> | | <i>Limits: 42-129 %</i> | | <i>Dilution: 1x</i> | | | | | | | |
| <i>Decachlorobiphenyl (Surr)</i> | | <i>86 %</i> | | <i>55-130 %</i> | | <i>"</i> | | | | | | | |

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| | | |
|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|-------------|-----------------|-----------------|------------------|----------|--------------|---------------|-------|--------------|-----------|------------|---------|
| Batch 0040473 - EPA 3546/3640A (GPC) Sediment | | | | | | | | | | | | |
| Blank (0040473-BLK1) Prepared: 04/10/20 08:43 Analyzed: 04/20/20 13:40 C-05 | | | | | | | | | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | |
| 2,4'-DDD | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 2,4'-DDE | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 2,4'-DDT | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDD | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDE | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 4,4'-DDT | ND | 0.909 | 1.82 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 52 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | |
| Decachlorobiphenyl (Surr) | | 86 % | | 55-130 % | | " | | | | | | |
| LCS (0040473-BS1) Prepared: 04/10/20 08:43 Analyzed: 04/20/20 13:57 C-05 | | | | | | | | | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | |
| 2,4'-DDD | 47.8 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 96 | 50-150% | --- | --- | |
| 2,4'-DDE | 38.2 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 76 | 50-150% | --- | --- | |
| 2,4'-DDT | 55.1 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 110 | 50-150% | --- | --- | |
| 4,4'-DDD | 50.7 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 101 | 50-150% | --- | --- | |
| 4,4'-DDE | 47.1 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 94 | 50-150% | --- | --- | |
| 4,4'-DDT | 58.3 | 1.00 | 2.00 | ug/kg wet | 1 | 50.0 | --- | 117 | 50-150% | --- | --- | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 50 % | | Limits: 42-129 % | | Dilution: 1x | | | | | | |
| Decachlorobiphenyl (Surr) | | 86 % | | 55-130 % | | " | | | | | | |
| Duplicate (0040473-DUP1) Prepared: 04/10/20 08:43 Analyzed: 04/20/20 15:27 C-05, H-08 | | | | | | | | | | | | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01RE1) | | | | | | | | | | | | |
| <u>EPA 8081B</u> | | | | | | | | | | | | |
| 2,4'-DDD | ND | 6.72 | 6.72 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | |
| 2,4'-DDE | ND | 6.72 | 6.72 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | |
| 2,4'-DDT | ND | 3.36 | 6.72 | ug/kg dry | 2 | --- | ND | --- | --- | --- | 30% | |
| 4,4'-DDD | 19.3 | 3.36 | 6.72 | ug/kg dry | 2 | --- | 19.1 | --- | --- | 1 | 30% | |
| 4,4'-DDE | 10.9 | 3.36 | 6.72 | ug/kg dry | 2 | --- | 13.9 | --- | --- | 24 | 30% | |
| 4,4'-DDT | 5.91 | 3.36 | 6.72 | ug/kg dry | 2 | --- | 11.2 | --- | --- | 62 | 30% | J, Q-05 |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 67 % | | Limits: 42-129 % | | Dilution: 2x | | | | | | |
| Decachlorobiphenyl (Surr) | | 90 % | | 55-130 % | | " | | | | | | |

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| | | |
|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes | |
|---|--------|-----------------|-----------------|------------------|----------|---|---------------|-------|--------------|-----|-----------|------------|--|
| Batch 0040473 - EPA 3546/3640A (GPC) | | | | | | Sediment | | | | | | | |
| Matrix Spike (0040473-MS1) | | | | | | Prepared: 04/10/20 08:43 Analyzed: 04/20/20 16:06 | | | | | | C-05, H-08 | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01RE1) | | | | | | | | | | | | | |
| EPA 8081B | | | | | | | | | | | | | |
| 2,4'-DDD | 84.1 | 6.78 | 6.78 | ug/kg dry | 2 | 84.8 | ND | 99 | 50-150% | --- | --- | | |
| 2,4'-DDE | 78.9 | 6.78 | 6.78 | ug/kg dry | 2 | 84.8 | ND | 93 | 50-150% | --- | --- | | |
| 2,4'-DDT | 87.7 | 6.78 | 6.78 | ug/kg dry | 2 | 84.8 | ND | 103 | 50-150% | --- | --- | | |
| 4,4'-DDD | 95.2 | 3.39 | 6.78 | ug/kg dry | 2 | 84.8 | 19.1 | 90 | 50-150% | --- | --- | | |
| 4,4'-DDE | 83.5 | 3.39 | 6.78 | ug/kg dry | 2 | 84.8 | 13.9 | 82 | 50-150% | --- | --- | | |
| 4,4'-DDT | 93.0 | 3.39 | 6.78 | ug/kg dry | 2 | 84.8 | 11.2 | 96 | 50-150% | --- | --- | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 72 % | | Limits: 42-129 % | | Dilution: 2x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 88 % | | 55-130 % | | " | | | | | | | |

| | | | | | | | | | | | | | |
|---|------|----------------|------|------------------|---|---|------|-----|---------|----|-----|------------|--|
| Matrix Spike Dup (0040473-MSD1) | | | | | | Prepared: 04/10/20 08:43 Analyzed: 04/20/20 16:44 | | | | | | C-05, H-08 | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01RE1) | | | | | | | | | | | | | |
| EPA 8081B | | | | | | | | | | | | | |
| 2,4'-DDD | 95.5 | 6.86 | 6.86 | ug/kg dry | 2 | 85.8 | ND | 111 | 50-150% | 13 | 30% | | |
| 2,4'-DDE | 87.6 | 6.86 | 6.86 | ug/kg dry | 2 | 85.8 | ND | 102 | 50-150% | 10 | 30% | | |
| 2,4'-DDT | 95.8 | 6.86 | 6.86 | ug/kg dry | 2 | 85.8 | ND | 112 | 50-150% | 9 | 30% | | |
| 4,4'-DDD | 108 | 3.43 | 6.86 | ug/kg dry | 2 | 85.8 | 19.1 | 103 | 50-150% | 12 | 30% | | |
| 4,4'-DDE | 93.6 | 3.43 | 6.86 | ug/kg dry | 2 | 85.8 | 13.9 | 93 | 50-150% | 11 | 30% | | |
| 4,4'-DDT | 101 | 3.43 | 6.86 | ug/kg dry | 2 | 85.8 | 11.2 | 104 | 50-150% | 8 | 30% | | |
| Surr: 2,4,5,6-TCMX (Surr) | | Recovery: 81 % | | Limits: 42-129 % | | Dilution: 2x | | | | | | | |
| Decachlorobiphenyl (Surr) | | 98 % | | 55-130 % | | " | | | | | | | |

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| | | |
|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

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 |
|--------------------------------------|--------|-----------------------|---|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040356 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Blank (0040356-BLK1) | | | Prepared: 04/10/20 07:04 Analyzed: 04/10/20 16:25 | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Acenaphthylene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benz(a)anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(a)pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(b)fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(k)fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(g,h,i)perylene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Chrysene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Dibenz(a,h)anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluorene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Indeno(1,2,3-cd)pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 2-Methylnaphthalene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Naphthalene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Phenanthrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 75 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>89 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

| | | | | | | | | | | | | |
|---|------|-----|------|-----------|---|------|-----|----|---------|-----|-----|--|
| LCS (0040356-BS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:04 Analyzed: 04/10/20 16:57 | | | | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | 15.5 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 78 | 40-123% | --- | --- | |
| Acenaphthylene | 16.6 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 83 | 32-132% | --- | --- | |
| Anthracene | 16.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 47-123% | --- | --- | |
| Benz(a)anthracene | 16.1 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 81 | 49-126% | --- | --- | |
| Benzo(a)pyrene | 16.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 85 | 45-129% | --- | --- | |
| Benzo(b)fluoranthene | 16.1 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 80 | 45-132% | --- | --- | |
| Benzo(k)fluoranthene | 16.0 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 80 | 47-132% | --- | --- | |
| Benzo(g,h,i)perylene | 15.7 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 78 | 43-134% | --- | --- | |
| Chrysene | 15.8 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 79 | 50-124% | --- | --- | |
| Dibenz(a,h)anthracene | 15.0 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 75 | 45-134% | --- | --- | |
| Fluoranthene | 16.8 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 50-127% | --- | --- | |

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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:
A0D0212 - 04 27 20 0933

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 |
|---|--------|-----------------|-----------------|------------------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040356 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| LCS (0040356-BS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:04 Analyzed: 04/10/20 16:57 | | | | | | | | | | | | |
| Fluorene | 16.2 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 81 | 43-125% | --- | --- | |
| Indeno(1,2,3-cd)pyrene | 15.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 80 | 45-133% | --- | --- | |
| 2-Methylnaphthalene | 16.2 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 81 | 38-122% | --- | --- | |
| Naphthalene | 14.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 75 | 35-123% | --- | --- | |
| Phenanthrene | 15.2 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 76 | 50-121% | --- | --- | |
| Pyrene | 16.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 47-127% | --- | --- | |
| Surr: 2-Fluorobiphenyl (Surr) | | Recovery: 77 % | | Limits: 44-120 % | | Dilution: 1x | | | | | | |
| p-Terphenyl-d14 (Surr) | | 86 % | | 54-127 % | | " | | | | | | |

| | | | | | | | | | | | | |
|---|-------------|----------------|------|------------------|---|--------------|------|-----|-----|-----|-----|--|
| Duplicate (0040356-DUP1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:04 Analyzed: 04/10/20 18:01 | | | | | | | | | | | | |
| H-08 | | | | | | | | | | | | |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| Acenaphthene | ND | --- | 2.89 | ug/kg dry | 1 | --- | 2.77 | --- | --- | *** | 30% | |
| Acenaphthylene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Anthracene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Benz(a)anthracene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Benzo(a)pyrene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Benzo(b)fluoranthene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Benzo(k)fluoranthene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Benzo(g,h,i)perylene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Chrysene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Dibenz(a,h)anthracene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Fluoranthene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Fluorene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Indeno(1,2,3-cd)pyrene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| 2-Methylnaphthalene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Naphthalene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Phenanthrene | 2.99 | --- | 2.89 | ug/kg dry | 1 | --- | 3.06 | --- | --- | 2 | 30% | |
| Pyrene | ND | --- | 2.89 | ug/kg dry | 1 | --- | ND | --- | --- | --- | 30% | |
| Surr: 2-Fluorobiphenyl (Surr) | | Recovery: 74 % | | Limits: 44-120 % | | Dilution: 1x | | | | | | |
| p-Terphenyl-d14 (Surr) | | 78 % | | 54-127 % | | " | | | | | | |

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Matrix Spike (0040356-MS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:04 Analyzed: 04/10/20 18:33 | | | | | | | | | | | | |
| H-08 | | | | | | | | | | | | |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |

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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

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 |
|---|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040356 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Matrix Spike (0040356-MS1) | | | | | | | | | | | | |
| | | | | | | Prepared: 04/10/20 07:04 Analyzed: 04/10/20 18:33 | | | | | | H-08 |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 22.4 | --- | 2.91 | ug/kg dry | 1 | 23.3 | 2.77 | 84 | 40-123% | --- | --- | |
| Acenaphthylene | 18.9 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 81 | 32-132% | --- | --- | |
| Anthracene | 19.6 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 84 | 47-123% | --- | --- | |
| Benz(a)anthracene | 18.5 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 80 | 49-126% | --- | --- | |
| Benzo(a)pyrene | 19.6 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 84 | 45-129% | --- | --- | |
| Benzo(b)fluoranthene | 18.4 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 79 | 45-132% | --- | --- | |
| Benzo(k)fluoranthene | 17.8 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 77 | 47-132% | --- | --- | |
| Benzo(g,h,i)perylene | 17.8 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 77 | 43-134% | --- | --- | |
| Chrysene | 17.8 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 76 | 50-124% | --- | --- | |
| Dibenz(a,h)anthracene | 16.4 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 71 | 45-134% | --- | --- | |
| Fluoranthene | 20.3 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 87 | 50-127% | --- | --- | |
| Fluorene | 21.0 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 90 | 43-125% | --- | --- | |
| Indeno(1,2,3-cd)pyrene | 17.8 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 77 | 45-133% | --- | --- | |
| 2-Methylnaphthalene | 18.4 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 79 | 38-122% | --- | --- | |
| Naphthalene | 17.3 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 75 | 35-123% | --- | --- | |
| Phenanthrene | 21.6 | --- | 2.91 | ug/kg dry | 1 | 23.3 | 3.06 | 80 | 50-121% | --- | --- | |
| Pyrene | 19.3 | --- | 2.91 | ug/kg dry | 1 | 23.3 | ND | 83 | 47-127% | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 72 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>79 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

| | | | | | | | | | | | | |
|---|------|-----|------|-----------|---|---|------|----|---------|-----|-----|------|
| Matrix Spike Dup (0040356-MSD1) | | | | | | | | | | | | |
| | | | | | | Prepared: 04/10/20 07:04 Analyzed: 04/10/20 19:04 | | | | | | H-08 |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| Acenaphthene | 20.2 | --- | 2.88 | ug/kg dry | 1 | 23.0 | 2.77 | 76 | 40-123% | 10 | 30% | |
| Acenaphthylene | 18.7 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 81 | 32-132% | 1 | 30% | |
| Anthracene | 19.5 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 85 | 47-123% | 0.4 | 30% | |
| Benz(a)anthracene | 18.2 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 79 | 49-126% | 2 | 30% | |
| Benzo(a)pyrene | 19.6 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 85 | 45-129% | 0.3 | 30% | |
| Benzo(b)fluoranthene | 18.4 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 80 | 45-132% | 0.2 | 30% | |
| Benzo(k)fluoranthene | 17.6 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 76 | 47-132% | 1 | 30% | |
| Benzo(g,h,i)perylene | 17.8 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 77 | 43-134% | 0.2 | 30% | |
| Chrysene | 17.6 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 77 | 50-124% | 0.6 | 30% | |
| Dibenz(a,h)anthracene | 16.5 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 72 | 45-134% | 0.7 | 30% | |

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Darwin Thomas, Business Development Director



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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

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 |
|---|--------|-----------------------|-----------------|-------------------------|----------|---|---------------|-------|--------------|-----|-----------|-------------|
| Batch 0040356 - EPA 3546 | | | | | | Sediment | | | | | | |
| Matrix Spike Dup (0040356-MSD1) | | | | | | Prepared: 04/10/20 07:04 Analyzed: 04/10/20 19:04 | | | | | | H-08 |
| QC Source Sample: Non-SDG (A0D0196-01) | | | | | | | | | | | | |
| Fluoranthene | 19.9 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 87 | 50-127% | 2 | 30% | |
| Fluorene | 20.1 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 87 | 43-125% | 5 | 30% | |
| Indeno(1,2,3-cd)pyrene | 17.8 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 77 | 45-133% | 0.2 | 30% | |
| 2-Methylnaphthalene | 18.3 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 79 | 38-122% | 0.5 | 30% | |
| Naphthalene | 17.1 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 74 | 35-123% | 1 | 30% | |
| Phenanthrene | 20.5 | --- | 2.88 | ug/kg dry | 1 | 23.0 | 3.06 | 76 | 50-121% | 5 | 30% | |
| Pyrene | 18.9 | --- | 2.88 | ug/kg dry | 1 | 23.0 | ND | 82 | 47-127% | 2 | 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>81 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

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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:
A0D0212 - 04 27 20 0933

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 |
|---|--------|-----------------------|-----------------|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040357 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Blank (0040357-BLK1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:19 Analyzed: 04/10/20 19:36 | | | | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Acenaphthylene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benz(a)anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(a)pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(b)fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(k)fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Benzo(g,h,i)perylene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Chrysene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Dibenz(a,h)anthracene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluoranthene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Fluorene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Indeno(1,2,3-cd)pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| 2-Methylnaphthalene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Naphthalene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Phenanthrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| Pyrene | ND | --- | 2.27 | ug/kg wet | 1 | --- | --- | --- | --- | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 74 %</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> | | | | | | |

| | | | | | | | | | | | | |
|---|------|-----|------|-----------|---|------|-----|----|---------|-----|-----|--|
| LCS (0040357-BS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:19 Analyzed: 04/10/20 20:07 | | | | | | | | | | | | |
| <u>EPA 8270D</u> | | | | | | | | | | | | |
| Acenaphthene | 15.4 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 77 | 40-123% | --- | --- | |
| Acenaphthylene | 16.8 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 32-132% | --- | --- | |
| Anthracene | 17.5 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 88 | 47-123% | --- | --- | |
| Benz(a)anthracene | 16.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 49-126% | --- | --- | |
| Benzo(a)pyrene | 18.4 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 92 | 45-129% | --- | --- | |
| Benzo(b)fluoranthene | 17.7 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 88 | 45-132% | --- | --- | |
| Benzo(k)fluoranthene | 16.8 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 47-132% | --- | --- | |
| Benzo(g,h,i)perylene | 17.2 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 86 | 43-134% | --- | --- | |
| Chrysene | 16.6 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 83 | 50-124% | --- | --- | |
| Dibenz(a,h)anthracene | 15.7 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 78 | 45-134% | --- | --- | |
| Fluoranthene | 18.1 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 91 | 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 |
|---|--------|-----------------------|-----------------|-------------------------|----------|---------------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040357 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| LCS (0040357-BS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:19 Analyzed: 04/10/20 20:07 | | | | | | | | | | | | |
| Fluorene | 16.7 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 43-125% | --- | --- | |
| Indeno(1,2,3-cd)pyrene | 16.9 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 84 | 45-133% | --- | --- | |
| 2-Methylnaphthalene | 16.1 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 81 | 38-122% | --- | --- | |
| Naphthalene | 15.0 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 75 | 35-123% | --- | --- | |
| Phenanthrene | 16.0 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 80 | 50-121% | --- | --- | |
| Pyrene | 17.2 | --- | 2.50 | ug/kg wet | 1 | 20.0 | --- | 86 | 47-127% | --- | --- | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 76 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>89 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

| | | | | | | | | | | | | |
|--|--------------|------------------------|------|-------------------------|------|------------------------|-------|-----|-----|-----------|------------|------|
| Duplicate (0040357-DUP1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:19 Analyzed: 04/10/20 21:11 | | | | | | | | | | | | |
| H-08 | | | | | | | | | | | | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 9980 | --- | 4260 | ug/kg dry | 1000 | --- | 12900 | --- | --- | 25 | 30% | |
| Acenaphthylene | ND | --- | 4260 | ug/kg dry | 1000 | --- | ND | --- | --- | --- | 30% | |
| Anthracene | 8140 | --- | 4260 | ug/kg dry | 1000 | --- | 10900 | --- | --- | 29 | 30% | |
| Benz(a)anthracene | 5650 | --- | 4260 | ug/kg dry | 1000 | --- | 7840 | --- | --- | 32 | 30% | Q-17 |
| Benzo(a)pyrene | 5230 | --- | 4260 | ug/kg dry | 1000 | --- | 8160 | --- | --- | 44 | 30% | Q-17 |
| Benzo(b)fluoranthene | 4390 | --- | 4260 | ug/kg dry | 1000 | --- | 6530 | --- | --- | 39 | 30% | Q-17 |
| Benzo(k)fluoranthene | ND | --- | 4260 | ug/kg dry | 1000 | --- | 2380 | --- | --- | *** | 30% | Q-17 |
| Benzo(g,h,i)perylene | ND | --- | 4260 | ug/kg dry | 1000 | --- | 5170 | --- | --- | *** | 30% | Q-17 |
| Chrysene | 6700 | --- | 4260 | ug/kg dry | 1000 | --- | 8990 | --- | --- | 29 | 30% | |
| Dibenz(a,h)anthracene | ND | --- | 4260 | ug/kg dry | 1000 | --- | ND | --- | --- | --- | 30% | |
| Fluoranthene | 21000 | --- | 4260 | ug/kg dry | 1000 | --- | 29400 | --- | --- | 34 | 30% | Q-17 |
| Fluorene | 8080 | --- | 4260 | ug/kg dry | 1000 | --- | 10800 | --- | --- | 29 | 30% | |
| Indeno(1,2,3-cd)pyrene | ND | --- | 4260 | ug/kg dry | 1000 | --- | 4640 | --- | --- | *** | 30% | Q-17 |
| 2-Methylnaphthalene | ND | --- | 4260 | ug/kg dry | 1000 | --- | ND | --- | --- | --- | 30% | |
| Naphthalene | ND | --- | 4260 | ug/kg dry | 1000 | --- | ND | --- | --- | --- | 30% | |
| Phenanthrene | 37100 | --- | 4260 | ug/kg dry | 1000 | --- | 47700 | --- | --- | 25 | 30% | |
| Pyrene | 24000 | --- | 4260 | ug/kg dry | 1000 | --- | 28200 | --- | --- | 16 | 30% | |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 161 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1000x</i> | | | | | | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>311 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | | |

| | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Matrix Spike (0040357-MS1) | | | | | | | | | | | | |
| Prepared: 04/10/20 07:19 Analyzed: 04/10/20 21:42 | | | | | | | | | | | | |
| 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 |
|--|--------|-----------------|-----------------|-----------|----------|--------------|---------------|--------|--------------|-----|-----------|-------|
| Batch 0040357 - EPA 3546 | | | | | | | | | | | | |
| Sediment | | | | | | | | | | | | |
| Matrix Spike (0040357-MS1) Prepared: 04/10/20 07:19 Analyzed: 04/10/20 21:42 H-08 | | | | | | | | | | | | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 10600 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 12900 | -6540 | 40-123% | --- | --- | Q-11 |
| Acenaphthylene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | ND | | 32-132% | --- | --- | Q-11 |
| Anthracene | 9490 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 10900 | -4070 | 47-123% | --- | --- | Q-11 |
| Benz(a)anthracene | 5420 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 7840 | -7110 | 49-126% | --- | --- | Q-11 |
| Benzo(a)pyrene | 5130 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 8160 | -8900 | 45-129% | --- | --- | Q-11 |
| Benzo(b)fluoranthene | 4320 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 6530 | -6500 | 45-132% | --- | --- | Q-11 |
| Benzo(k)fluoranthene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | 2380 | -6980 | 47-132% | --- | --- | Q-11 |
| Benzo(g,h,i)perylene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | 5170 | -5790 | 43-134% | --- | --- | Q-11 |
| Chrysene | 6420 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 8990 | -7530 | 50-124% | --- | --- | Q-11 |
| Dibenz(a,h)anthracene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | ND | | 45-134% | --- | --- | Q-11 |
| Fluoranthene | 21400 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 29400 | -23400 | 50-127% | --- | --- | Q-11 |
| Fluorene | 8590 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 10800 | -6550 | 43-125% | --- | --- | Q-11 |
| Indeno(1,2,3-cd)pyrene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | 4640 | -5190 | 45-133% | --- | --- | Q-11 |
| 2-Methylnaphthalene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | ND | | 38-122% | --- | --- | Q-11 |
| Naphthalene | ND | --- | 4260 | ug/kg dry | 1000 | 34.1 | ND | 6310 | 35-123% | --- | --- | Q-11 |
| Phenanthrene | 38400 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 47700 | -27300 | 50-121% | --- | --- | Q-11 |
| Pyrene | 23000 | --- | 4260 | ug/kg dry | 1000 | 34.1 | 28200 | -15200 | 47-127% | --- | --- | Q-11 |
| <i>Surr: 2-Fluorobiphenyl (Surr) Recovery: 181 % Limits: 44-120 % Dilution: 1000x S-05</i> | | | | | | | | | | | | |
| <i>p-Terphenyl-d14 (Surr) 270 % 54-127 % " S-05</i> | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|-------|-----|------|-----------|------|------|-------|--------|---------|-----|-----|------|
| Matrix Spike Dup (0040357-MSD1) Prepared: 04/10/20 07:19 Analyzed: 04/10/20 22:13 H-08 | | | | | | | | | | | | |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| EPA 8270D | | | | | | | | | | | | |
| Acenaphthene | 10400 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 12900 | -7170 | 40-123% | 2 | 30% | Q-11 |
| Acenaphthylene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | ND | | 32-132% | | 30% | Q-11 |
| Anthracene | 7400 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 10900 | -10200 | 47-123% | 25 | 30% | Q-11 |
| Benz(a)anthracene | 5260 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 7840 | -7540 | 49-126% | 3 | 30% | Q-11 |
| Benzo(a)pyrene | 5140 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 8160 | -8830 | 45-129% | 0.3 | 30% | Q-11 |
| Benzo(b)fluoranthene | 4390 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 6530 | -6260 | 45-132% | 2 | 30% | Q-11 |
| Benzo(k)fluoranthene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | 2380 | -6960 | 47-132% | | 30% | Q-11 |
| Benzo(g,h,i)perylene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | 5170 | -4640 | 43-134% | 11 | 30% | Q-11 |
| Chrysene | 6020 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 8990 | -8680 | 50-124% | 6 | 30% | Q-11 |

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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 |
|--|--------|------------------------|-----------------|-------------------------|----------|---|---------------|---------------|----------------|------------|------------|-------------|
| Batch 0040357 - EPA 3546 | | | | | | Sediment | | | | | | |
| Matrix Spike Dup (0040357-MSD1) | | | | | | Prepared: 04/10/20 07:19 Analyzed: 04/10/20 22:13 | | | | | | H-08 |
| QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01) | | | | | | | | | | | | |
| Dibenz(a,h)anthracene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | ND | | 45-134% | | 30% | Q-11 |
| Fluoranthene | 19900 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 29400 | -28000 | 50-127% | 8 | 30% | Q-11 |
| Fluorene | 8000 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 10800 | -8240 | 43-125% | 7 | 30% | Q-11 |
| Indeno(1,2,3-cd)pyrene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | 4640 | -4330 | 45-133% | 10 | 30% | Q-11 |
| 2-Methylnaphthalene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | ND | | 38-122% | | 30% | Q-11 |
| Naphthalene | ND | --- | 4270 | ug/kg dry | 1000 | 34.2 | ND | | 35-123% | 200 | 30% | Q-11 |
| Phenanthrene | 34700 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 47700 | -38100 | 50-121% | 10 | 30% | Q-11 |
| Pyrene | 20400 | --- | 4270 | ug/kg dry | 1000 | 34.2 | 28200 | -22900 | 47-127% | 12 | 30% | Q-11 |
| <i>Surr: 2-Fluorobiphenyl (Surr)</i> | | <i>Recovery: 172 %</i> | | <i>Limits: 44-120 %</i> | | <i>Dilution: 1000x</i> | | | | | S-05 | |
| <i>p-Terphenyl-d14 (Surr)</i> | | <i>363 %</i> | | <i>54-127 %</i> | | <i>"</i> | | | | | S-05 | |

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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:
A0D0212 - 04 27 20 0933

QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|---|-------------|----------|--------------|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040469 - PSEP-5310B TOC | | | | | | Soil | | | | | | |
| Blank (0040469-BLK1) | | | Prepared: 04/14/20 13:18 Analyzed: 04/17/20 21:48 | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | ND | --- | 0.020 | % by Weight | 1 | --- | --- | --- | --- | --- | --- | |
| LCS (0040469-BS1) | | | Prepared: 04/14/20 13:18 Analyzed: 04/17/20 21:58 | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 9500 | --- | | mg/kg | 1 | 10000 | --- | 95 | 90-110% | --- | --- | |
| Duplicate (0040469-DUP1) | | | Prepared: 04/14/20 13:18 Analyzed: 04/18/20 00:29 | | | | | | | | | |
| <u>QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01)</u> | | | | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 2.0 | --- | 0.020 | % by Weight | 1 | --- | 2.0 | --- | --- | 0.6 | 20% | H-08 |
| Duplicate (0040469-DUP2) | | | Prepared: 04/14/20 13:18 Analyzed: 04/18/20 00:40 | | | | | | | | | |
| <u>QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01)</u> | | | | | | | | | | | | |
| <u>SM 5310 B MOD</u> | | | | | | | | | | | | |
| Total Organic Carbon | 2.0 | --- | 0.020 | % by Weight | 1 | --- | 2.0 | --- | --- | 2 | 20% | H-08 |
| Duplicate (0040469-DUP3) | | | Prepared: 04/14/20 13:18 Analyzed: 04/17/20 22:20 | | | | | | | | | |
| <u>QC Source Sample: Non-SDG (A0D0207-01)</u> | | | | | | | | | | | | |
| Total Organic Carbon | 0.22 | --- | 0.020 | % by Weight | 1 | --- | 0.21 | --- | --- | 2 | 20% | H-08 |
| Duplicate (0040469-DUP4) | | | Prepared: 04/14/20 13:18 Analyzed: 04/17/20 23:57 | | | | | | | | | |
| <u>QC Source Sample: Non-SDG (A0D0210-01)</u> | | | | | | | | | | | | |
| Total Organic Carbon | 3.9 | --- | 0.020 | % by Weight | 1 | --- | 4.0 | --- | --- | 3 | 20% | H-08 |

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 503-718-2323
 EPA ID: OR01039

| | | |
|--|---|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Spike Amount | Source Result | % REC | % REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------------|-------------|----------|---|---------------|-------|--------------|-----|-----------|-------|
| Batch 0040460 - Total Solids (SM2540G/PSEP) | | | | | | Sediment | | | | | | |
| Duplicate (0040460-DUP1) | | | | | | Prepared: 04/14/20 11:06 Analyzed: 04/17/20 16:03 | | | | | | |
| <u>QC Source Sample: PDI-077SC-A-03-04-191014 (A0D0212-01)</u> | | | | | | | | | | | | |
| <u>SM 2540 G</u> | | | | | | | | | | | | |
| Total Solids | 56.4 | 1.00 | 1.00 | % by Weight | 1 | --- | 56.7 | --- | --- | 0.5 | 10% | H-08 |
| Duplicate (0040460-DUP2) | | | | | | Prepared: 04/14/20 11:06 Analyzed: 04/17/20 16:03 | | | | | | |
| <u>QC Source Sample: Non-SDG (A0D0210-01)</u> | | | | | | | | | | | | |
| Total Solids | 61.3 | 1.00 | 1.00 | % by Weight | 1 | --- | 61.9 | --- | --- | 1 | 10% | H-08 |

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Portland, OR 97219

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0212 - 04 27 20 0933

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0040376</u> | | | | | | | |
| A0D0212-02 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/10/20 10:37 | 30.9g/2mL | 30g/2mL | 0.97 |
| A0D0212-03 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/10/20 10:37 | 30.64g/2mL | 30g/2mL | 0.98 |
| A0D0212-04 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/10/20 10:37 | 30.18g/2mL | 30g/2mL | 0.99 |
| A0D0212-05 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/10/20 10:37 | 30.68g/2mL | 30g/2mL | 0.98 |
| <u>Batch: 0040417</u> | | | | | | | |
| A0D0212-01 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/13/20 09:27 | 30.56g/2mL | 30g/2mL | 0.98 |
| A0D0212-06RE1 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/13/20 09:27 | 30.56g/2mL | 30g/2mL | 0.98 |
| A0D0212-07 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/13/20 09:27 | 30.33g/2mL | 30g/2mL | 0.99 |
| A0D0212-08 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/13/20 09:27 | 30.48g/2mL | 30g/2mL | 0.98 |
| A0D0212-09 | Sediment | EPA 8082A | 10/14/19 08:36 | 04/13/20 09:27 | 30.27g/2mL | 30g/2mL | 0.99 |

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0040379</u> | | | | | | | |
| A0D0212-02RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:28 | 10.16g/10mL | 10g/5mL | 1.97 |
| A0D0212-02RE2 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:28 | 10.16g/10mL | 10g/5mL | 1.97 |
| A0D0212-03RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:28 | 10.32g/10mL | 10g/5mL | 1.94 |
| A0D0212-03RE2 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:28 | 10.32g/10mL | 10g/5mL | 1.94 |
| <u>Batch: 0040473</u> | | | | | | | |
| A0D0212-01RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.32g/10mL | 10g/5mL | 1.94 |
| A0D0212-04RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.34g/10mL | 10g/5mL | 1.93 |
| A0D0212-05RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.17g/10mL | 10g/5mL | 1.97 |
| A0D0212-06RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.61g/10mL | 10g/5mL | 1.89 |
| A0D0212-07RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.31g/10mL | 10g/5mL | 1.94 |
| A0D0212-08RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.66g/10mL | 10g/5mL | 1.88 |
| A0D0212-09RE1 | Sediment | EPA 8081B | 10/14/19 08:36 | 04/10/20 08:43 | 10.26g/10mL | 10g/5mL | 1.95 |

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

Prep: EPA 3546

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0040356</u> | | | | | | | |
| A0D0212-02RE1 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:18 | 10.01g/5mL | 10g/5mL | 1.00 |

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

Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0212 - 04 27 20 0933

SAMPLE PREPARATION INFORMATION

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

Prep: EPA 3546

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| A0D0212-03 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:18 | 10.47g/5mL | 10g/5mL | 0.96 |
| A0D0212-04 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:18 | 10.56g/5mL | 10g/5mL | 0.95 |
| A0D0212-05 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:22 | 10.48g/5mL | 10g/5mL | 0.95 |
| <u>Batch: 0040357</u> | | | | | | | |
| A0D0212-01 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:19 | 10.3g/5mL | 10g/5mL | 0.97 |
| A0D0212-06 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:19 | 10.27g/5mL | 10g/5mL | 0.97 |
| A0D0212-07 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:19 | 10.27g/5mL | 10g/5mL | 0.97 |
| A0D0212-08 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:19 | 10.39g/5mL | 10g/5mL | 0.96 |
| A0D0212-09 | Sediment | EPA 8270D | 10/14/19 08:36 | 04/10/20 07:19 | 10.83g/5mL | 10g/5mL | 0.92 |

Demand Parameters

Prep: PSEP-5310B TOC

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|---------------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0040469</u> | | | | | | | |
| A0D0212-01 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-02 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-03 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-04 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-05 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-06 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-07 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-08 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |
| A0D0212-09 | Sediment | SM 5310 B MOD | 10/14/19 08:36 | 04/14/20 13:18 | | | NA |

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|-----------------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| <u>Batch: 0040460</u> | | | | | | | |
| A0D0212-01 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-02 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-03 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-04 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-05 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-06 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-07 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |

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Darwin Thomas, Business Development Director



Apex Laboratories, LLC

6700 S.W. Sandburg Street
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EPA ID: OR01039

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:

A0D0212 - 04 27 20 0933

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

| Lab Number | Matrix | Method | Sampled | Prepared | Sample Initial/Final | Default Initial/Final | RL Prep Factor |
|------------|----------|-----------|----------------|----------------|----------------------|-----------------------|----------------|
| A0D0212-08 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |
| A0D0212-09 | Sediment | SM 2540 G | 10/14/19 08:36 | 04/14/20 11:06 | | | NA |

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Darwin Thomas, Business Development Director



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

Project Number: [none]

Project Manager: **Ryan Barth**

Report ID:

A0D0212 - 04 27 20 0933

QUALIFIER DEFINITIONS

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

Apex Laboratories

- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- 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.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- P-10** Result estimated due to the presence of multiple PCB Aroclors and/or matrix interference.
- P-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- Q-05** Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
- Q-11** Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
- Q-17** RPD between original and duplicate sample is outside of established control limits.
- 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.)
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

QC Source:

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

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

Miscellaneous Notes:

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

Blanks:

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

Apex Laboratories

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

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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| | | |
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| 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: A0D0212 - 04 27 20 0933 |
|--|---|--|

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

| Matrix | Analysis | TNI_ID | Analyte | TNI_ID | Accreditation |
|---|----------|--------|---------|--------|---------------|
| <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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Anchor QEA, LLC
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Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0212 - 04 27 20 0933

A0D0212
A9J0594

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191014-145320
Sample Custodian: CO, SN, BI, DL
Lab: Apex - Archive

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected Date | Time | Containers # | Lab OC | Test Request | Method | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|-------|--------------|--------------------------|----------------|---------|-------|--------------|
| 011 | PDI-0285C-A-10-11-191014 | N | SE | 10/14/2019 | 11:01 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 012 | PDI-0285C-B-00-02-181014 | N | SE | 10/14/2019 | 11:04 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 013 | PDI-0285C-B-02-04-181014 | N | SE | 10/14/2019 | 11:05 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 014 | PDI-0285C-B-04-06-181014 | N | SE | 10/14/2019 | 11:05 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 015 | PDI-0285C-B-06-08-181014 | N | SE | 10/14/2019 | 11:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 016 | PDI-0775C-A-00-01-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 017 | PDI-0775C-A-01-02-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 018 | PDI-0775C-A-02-03-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 019 | PDI-0775C-A-03-04-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 020 | PDI-0775C-A-04-05-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 021 | PDI-0775C-A-05-06-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Signature: [Signature] Date: 10/15/19
Print Name: Ryan Barth
Company: Apex Lab
Date/Time: 10/15/19 10:10

Signature: [Signature] Date: 10/14/2019
Print Name: Delaney Peterson
Company: Apex Lab
Date/Time: 10/14/2019 11:01

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

Apex Laboratories

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

Darwin Thomas



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:
A0D0212 - 04 27 20 0933

A0D0212
A9J0594

COC ID: APEX1-20191014-145320
Sample Custodian: CO, SN, DL, BJ
Lab: Apex - Archive

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



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 OC* | Test Request | Method | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|------|------------|--------------------------|----------------|---------|-------|--------------|
| 021 | PDI-077SC-A-05-05-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 022 | PDI-077SC-A-05-07-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 023 | PDI-077SC-A-07-08-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 024 | PDI-077SC-A-08-09-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 025 | PDI-077SC-A-08-10-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 026 | PDI-077SC-A-10-11-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 027 | PDI-077SC-A-11-12-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 028 | PDI-077SC-A-12-13-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 029 | PDI-077SC-A-13-14-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 030 | PDI-077SC-B-02-02-191014 | N | SE | 10/14/2019 | 8:41 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 031 | PDI-077SC-B-02-04-191014 | N | SE | 10/14/2019 | 8:41 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

| Requested By: | Requested By: | Requested By: | Requested By: |
|--------------------------|--------------------------|------------------------|------------------------|
| Signature: [Signature] | Signature: [Signature] | Signature: [Signature] | Signature: [Signature] |
| Print Name: CORELEC | Print Name: Eli Jordan | Print Name: [Name] | Print Name: [Name] |
| Company: AQ | Company: APEX LAB | Company: [Company] | Company: [Company] |
| Date/Time: 10/15/19 0855 | Date/Time: 10/15/19 1016 | Date/Time: [Date/Time] | Date/Time: [Date/Time] |

Date Printed: 10/14/2019
* Lab OC Requested for sample when box is checked ** TAT = Turn-Around Time in DAYS # POC = Project Point of Contact
Page 3 of 5

Apex Laboratories

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

Darwin Thomas

| | | |
|--|--|--|
| 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: A0D0212 - 04 27 20 0933 |
|--|--|--|

APEX LABS COOLER RECEIPT FORM A0D0212

Client: Anchor QEA Element WO#: A9 J0594

Project/Project #: Gasco PDI Archive

Delivery Info:
 Date/time received: 10/15/19 @ 1010 By: ES
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 10/15/19 @ 1055 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>2.4</u> | <u>1.3</u> | | | | | |
| Received on ice? (Y/N) | <u>Y</u> | <u>Y</u> | | | | | |
| Temp. blanks? (Y/N) | <u>Y</u> | <u>Y</u> | | | | | |
| Ice type: (Gel/Real/Other) | <u>Real</u> | <u>Real</u> | | | | | |
| Condition: | <u>Good</u> | <u>Good</u> | | | | | |

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

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

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

Samples Inspection: Date/time inspected: 10/16/19 @ 2148 By: AKK

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: AKK Witness: TJZ Cooler Inspected by: CFH See Project Contact Form: Y



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

A0D0212

Apex Laboratories

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

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

| | |
|--|--------------------------------|
| Date Due: 04/22/20 17:00 (131 day TAT) | |
| Received By: Eli S. Joyner | Date Received: 10/15/19 10:10 |
| Logged In By: Susan L. Treat | Date Logged In: 04/09/20 11:09 |

| | | | | | | | | | |
|------------------------------------|-----|-------------------|-----|------------------|-----|--------------|----|-----------------|-----|
| Cooler #1 received at 2.4°C | | | | | | | | | |
| Custody Seals | Yes | Containers Intact | Yes | COC/Labels Agree | Yes | PH Confirmed | No | Received On Ice | Yes |
| Temperature OK | Yes | | | | | | | | |
| Cooler #2 received at 1.3°C | | | | | | | | | |
| Custody Seals | Yes | Containers Intact | Yes | COC/Labels Agree | Yes | PH Confirmed | No | Received On Ice | Yes |
| Temperature OK | Yes | | | | | | | | |

| Analysis | Due | TAT | Expires | Comments |
|---|----------------|-----|----------------|---|
| A0D0212-01 PDI-077SC-A-03-04-191014 [Sediment] Sampled 10/14/19 A9J0594-19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Project Mgmt | | | | |
| Data Package | 04/22/20 17:00 | 20 | 01/21/20 08:36 | |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MS/MSD/DUP, MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | MS/MSD/DUP, +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MS/MSD/DUP |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | MS/MSD/DUP |

A0D0212

Apex Laboratories

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

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

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-02 PDI-077SC-A-04-05-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-03 PDI-077SC-A-05-06-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-04 PDI-077SC-A-06-07-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

A0D0212

Apex Laboratories

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

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-05 PDI-077SC-A-07-08-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |
| A0D0212-06 PDI-077SC-A-08-09-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |
| A0D0212-07 PDI-077SC-A-09-10-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

A0D0212

Apex Laboratories

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

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

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-08 PDI-077SC-A-10-11-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

| Analysis | Due | TAT | Expires | Comments |
|--|----------------|-----|----------------|---|
| A0D0212-09 PDI-077SC-A-11-12-191014 [Sediment] Sampled 10/14/19 | | | | |
| 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers | | | | |
| Dry Weight | | | | |
| Dry Weight | 04/22/20 17:00 | 3 | 04/11/20 08:36 | Use Results from TS.. Make NR once completed. |
| Semivols (ECD) | | | | |
| 8081B 2,4+4,4-DDx Only (+Add) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | MDL. Use Custom Spike. |
| 8082 PCBs - Low Level (30g/2mL) | 04/22/20 17:00 | 10 | 10/13/20 08:36 | +1262,1268 |
| Semivols (Scan) | | | | |
| 8270D LL PAH Only (Scan) | 04/22/20 17:00 | 10 | 10/28/19 08:36 | |
| Wet Chem | | | | |
| Solids, Total (SM 2540 G,B) | 04/22/20 17:00 | 10 | 04/11/20 08:36 | Use Results for Dry Weight (Not for Waters) |
| Total Organic Carbon - Soil (5310 B) | 04/22/20 17:00 | 10 | 11/11/19 08:36 | |

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0D0212
A9J0594

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191014-145320
Sample Custodian: CO, SN, BJ, DL
Lab: Apex - Archive

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected Date | Time | Containers # | Lab QC* | Test Request | Method | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|-------|--------------|--------------------------|----------------|---------|-------|--------------|
| 011 | PDI-026SC-A-10-11-191014 | N | SE | 10/14/2019 | 11:01 | 1 | <input type="checkbox"/> | | | | |
| 012 | PDI-026SC-B-00-02-191014 | N | SE | 10/14/2019 | 11:04 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 013 | PDI-026SC-B-02-04-191014 | N | SE | 10/14/2019 | 11:05 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 014 | PDI-026SC-B-04-06-191014 | N | SE | 10/14/2019 | 11:05 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 015 | PDI-026SC-B-06-08-191014 | N | SE | 10/14/2019 | 11:06 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 016 | PDI-077SC-A-00-01-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 017 | PDI-077SC-A-01-02-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 018 | PDI-077SC-A-02-03-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 019 | PDI-077SC-A-03-04-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 020 | PDI-077SC-A-04-05-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 021 | PDI-077SC-A-05-06-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Comment:

| | | | | | |
|---|---|---|---|---|---|
| Relinquished By: Signature: <i>[Signature]</i> Print Name: C. OREIRO Company: AQ Date/Time: 10/15/19 0955 | Received By: Signature: <i>[Signature]</i> Print Name: Eli Jordan Company: APEX LABS Date/Time: 10/15/19 1010 | Relinquished By: Signature: Print Name: Company: Date/Time: | Received By: Signature: Print Name: Company: Date/Time: | Relinquished By: Signature: Print Name: Company: Date/Time: | Received By: Signature: Print Name: Company: Date/Time: |
|---|---|---|---|---|---|

Date Printed: 10/14/2019

* 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

A000212
A9J0594

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191014-145320
Sample Custodian: CO, SN, DL, BJ
Lab: Apex - Archive

| COC Sample Number | Field Sample ID | Sample Type | Matrix | Collected Date | Time | Containers # | Lab QC* | Test Request | Method | TAT** | Preservative |
|-------------------|--------------------------|-------------|--------|----------------|------|--------------|--------------------------|----------------|---------|-------|--------------|
| 021 | PDI-077SC-A-05-06-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 022 | PDI-077SC-A-06-07-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 023 | PDI-077SC-A-07-08-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 024 | PDI-077SC-A-08-09-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 025 | PDI-077SC-A-09-10-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 026 | PDI-077SC-A-10-11-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 027 | PDI-077SC-A-11-12-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 028 | PDI-077SC-A-12-13-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 029 | PDI-077SC-A-13-14-191014 | N | SE | 10/14/2019 | 8:36 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 030 | PDI-077SC-B-00-02-191014 | N | SE | 10/14/2019 | 8:41 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |
| 031 | PDI-077SC-B-02-04-191014 | N | SE | 10/14/2019 | 8:41 | 1 | <input type="checkbox"/> | Archive (APEX) | ARCHIVE | -1 | -10°C |

Comment:

| Relinquished By | Received By | Relinquished By | Received By | Relinquished By | Received By |
|-------------------------------|-------------------------------|-----------------|-------------|-----------------|-------------|
| Signature: <i>[Signature]</i> | Signature: <i>[Signature]</i> | Signature: | Signature: | Signature: | Signature: |
| Print Name: COBEIRO | Print Name: Eli Jordan | Print Name: | Print Name: | Print Name: | Print Name: |
| Company: AQ | Company: APEX LAB | Company: | Company: | Company: | Company: |
| Date/Time: 10/15/19 0955 | Date/Time: 10/15/19 1016 | Date/Time: | Date/Time: | Date/Time: | Date/Time: |

Date Printed: 10/14/2019

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

APEX LABS COOLER RECEIPT FORM

A0D0212

Client: Anchor QEA Element WO#: A9 J0594

Project/Project #: Gasco PDI Achve

Delivery Info:

Date/time received: 10/15/19 @ 1010 By: EJ

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

Cooler Inspection Date/time inspected: 10/15/19 @ 1055 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>2.4</u> | <u>1.3</u> | | | | | |
| Received on ice? (Y/N) | <u>Y</u> | <u>Y</u> | | | | | |
| Temp. blanks? (Y/N) | <u>Y</u> | <u>Y</u> | | | | | |
| Ice type: (Gel/Real/Other) | <u>Real</u> | <u>Real</u> | | | | | |
| Condition: | <u>Good</u> | <u>Good</u> | | | | | |

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

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

Samples Inspection: Date/time inspected: 10/16/19 @ 2148 By: AKK

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: AKK Witness: TJL Cooler Inspected by: CFH See Project Contact Form: Y

AKK
10/16/19

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

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|-----------------|
| <u>PDI-077SC-A-03-04-191014</u> | <u>A0D0212-01</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-04-05-191014</u> | <u>A0D0212-02</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-05-06-191014</u> | <u>A0D0212-03</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-06-07-191014</u> | <u>A0D0212-04</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-07-08-191014</u> | <u>A0D0212-05</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-08-09-191014</u> | <u>A0D0212-06</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-09-10-191014</u> | <u>A0D0212-07</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-10-11-191014</u> | <u>A0D0212-08</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-11-12-191014</u> | <u>A0D0212-09</u> | <u>Sediment</u> |

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

Signature:



Name:

David G. Jack

Forms Created:

5/4/2020 12:47PM

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-077SC-A-03-04-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-01</u> | File ID: <u>ECD2F014.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/13/20 09:27</u> | Analyzed: <u>04/14/20 10:45</u> |
| Solids: <u>56.71</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.56 g / 2 mL</u> |
| Batch: <u>0040417</u> | Sequence: <u>0D14026</u> | Calibration: <u>A0D1302</u> Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 1.16 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 1.16 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 1.16 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 12.5 | |
| 12672-29-6 | Aroclor 1248 | 1 | 1.16 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 19.5 | |
| 11096-82-5 | Aroclor 1260 | 1 | 12.9 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.16 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.16 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 28.9 | 14.6 | 51 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-04-05-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-02</u> | File ID: <u>ECD2R029.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 10:37</u> | Analyzed: <u>04/13/20 15:17</u> |
| Solids: <u>51.54</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.9 g / 2 mL</u> |
| Batch: <u>0040376</u> | Sequence: <u>0D13025</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 1.26 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 1.26 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 1.26 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 16.4 | |
| 12672-29-6 | Aroclor 1248 | 1 | 1.26 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 37.2 | |
| 11096-82-5 | Aroclor 1260 | 1 | 17.6 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.26 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.26 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 31.4 | 23.7 | 75 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-05-06-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-03</u> | File ID: <u>ECD2R031.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 10:37</u> | Analyzed: <u>04/13/20 15:52</u> |
| Solids: <u>62.06</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.64 g / 2 mL</u> |
| Batch: <u>0040376</u> | Sequence: <u>0D13025</u> | Calibration: <u>A0D1002</u> |
| | | Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 1.06 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 1.06 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 1.06 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 14.5 | |
| 12672-29-6 | Aroclor 1248 | 1 | 1.06 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 21.7 | |
| 11096-82-5 | Aroclor 1260 | 1 | 14.1 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.06 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.06 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 26.3 | 14.8 | 56 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-06-07-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-04</u> | File ID: <u>ECD2R033.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 10:37</u> | Analyzed: <u>04/13/20 16:28</u> |
| Solids: <u>61.82</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.18 g / 2 mL</u> |
| Batch: <u>0040376</u> | Sequence: <u>0D13025</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 1.08 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 1.08 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 1.08 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 12.0 | |
| 12672-29-6 | Aroclor 1248 | 1 | 1.08 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 21.2 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 16.1 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.08 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.08 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 26.8 | 21.7 | 81 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-07-08-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-05</u> | File ID: <u>ECD2R035.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 10:37</u> | Analyzed: <u>04/13/20 17:03</u> |
| Solids: <u>60.27</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.68 g / 2 mL</u> |
| Batch: <u>0040376</u> | Sequence: <u>0D13025</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 4.87 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 3.24 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 6.81 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 6.49 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 11.4 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 22.6 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 25.4 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.09 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.09 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 27.0 | 17.9 | 66 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-08-09-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-06RE1</u> | File ID: <u>ECD2F005.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/13/20 09:27</u> | Analyzed: <u>04/17/20 07:59</u> |
| Solids: <u>62.83</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.56 g / 2 mL</u> |
| Batch: <u>0040417</u> | Sequence: <u>0D17014</u> | Calibration: <u>A0D1302</u> Instrument: <u>DUALECD2F</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 2.19 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 16.7 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 4.22 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 2.81 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 9.22 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 26.6 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 36.0 | |
| 37324-23-5 | Aroclor 1262 | 1 | 1.05 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 1.05 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 26.0 | 13.7 | 53 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-09-10-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-07</u> | File ID: <u>ECD2R015.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/13/20 09:27</u> | Analyzed: <u>04/14/20 11:03</u> |
| Solids: <u>77.81</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.33 g / 2 mL</u> |
| Batch: <u>0040417</u> | Sequence: <u>0D14027</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.852 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.852 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 0.852 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 2.19 | |
| 12672-29-6 | Aroclor 1248 | 1 | 0.852 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 3.02 | |
| 11096-82-5 | Aroclor 1260 | 1 | 2.49 | |
| 37324-23-5 | Aroclor 1262 | 1 | 0.852 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.852 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 21.2 | 14.5 | 68 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-10-11-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-08</u> | File ID: <u>ECD2R017.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/13/20 09:27</u> | Analyzed: <u>04/14/20 11:38</u> |
| Solids: <u>76.73</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.48 g / 2 mL</u> |
| Batch: <u>0040417</u> | Sequence: <u>0D14027</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.859 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.859 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 0.859 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 0.859 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 0.859 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 0.859 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 0.859 | U |
| 37324-23-5 | Aroclor 1262 | 1 | 0.859 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.859 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 21.4 | 14.9 | 70 | 43 - 120 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-077SC-A-11-12-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-09</u> | File ID: <u>ECD2R019.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/13/20 09:27</u> | Analyzed: <u>04/14/20 12:13</u> |
| Solids: <u>76.46</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>30.27 g / 2 mL</u> |
| Batch: <u>0040417</u> | Sequence: <u>0D14027</u> | Calibration: <u>A0D1002</u> Instrument: <u>DUALECD2R</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|------------|--------------|----------|-------------------|---|
| 12674-11-2 | Aroclor 1016 | 1 | 0.868 | U |
| 11104-28-2 | Aroclor 1221 | 1 | 0.868 | U |
| 11141-16-5 | Aroclor 1232 | 1 | 0.868 | U |
| 53469-21-9 | Aroclor 1242 | 1 | 0.868 | U |
| 12672-29-6 | Aroclor 1248 | 1 | 0.868 | U |
| 11097-69-1 | Aroclor 1254 | 1 | 0.868 | U |
| 11096-82-5 | Aroclor 1260 | 1 | 0.868 | U |
| 37324-23-5 | Aroclor 1262 | 1 | 0.868 | U |
| 11100-14-4 | Aroclor 1268 | 1 | 0.868 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| Decachlorobiphenyl (Surr) | 21.6 | 14.6 | 68 | 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: 0040376

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------|---------------|-------------|----------------|--------------|
| Blank | 0040376-BLK1 | ECD2R005.D | 04/10/20 10:37 | |
| LCS | 0040376-BS1 | ECD2R006.D | 04/10/20 10:37 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | ECD2R029.D | 04/10/20 10:37 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | ECD2R031.D | 04/10/20 10:37 | |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | ECD2R033.D | 04/10/20 10:37 | |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | ECD2R035.D | 04/10/20 10:37 | |

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

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

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0040417

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank | 0040417-BLK1 | ECD2F012.D | 04/13/20 09:27 | |
| LCS | 0040417-BS1 | ECD2F013.D | 04/13/20 09:27 | |
| PDI-077SC-A-03-04-191014 (Dup) | 0040417-DUP1 | ECD2F016.D | 04/13/20 09:27 | |
| PDI-077SC-A-03-04-191014 (MS) | 0040417-MS1 | ECD2F018.D | 04/13/20 09:27 | |
| PDI-077SC-A-03-04-191014 (MSD) | 0040417-MSD1 | ECD2F020.D | 04/13/20 09:28 | |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | ECD2F014.D | 04/13/20 09:27 | |
| PDI-077SC-A-08-09-191014 | A0D0212-06RE1 | ECD2F005.D | 04/13/20 09:27 | |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | ECD2R015.D | 04/13/20 09:27 | |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | ECD2R017.D | 04/13/20 09:27 | |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | ECD2R019.D | 04/13/20 09:27 | |

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>0040376-BLK1</u> | File ID: <u>ECD2R005.D</u> |
| Prepared: <u>04/10/20 10:37</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>31 g / 2 mL</u> |
| Analyzed: <u>04/13/20 08:15</u> | Instrument: <u>DUALECD2R</u> | |
| Batch: <u>0040376</u> | Sequence: <u>0D13025</u> | Calibration: <u>A0D1002</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) | 16.1 | 13.5 | 84 | 43 - 120 | |

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>0040417-BLK1</u> | File ID: <u>ECD2F012.D</u> |
| Prepared: <u>04/13/20 09:27</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>31 g / 2 mL</u> |
| Analyzed: <u>04/14/20 10:10</u> | Instrument: <u>DUALECD2F</u> | |
| Batch: <u>0040417</u> | Sequence: <u>0D14026</u> | Calibration: <u>A0D1302</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) | 16.1 | 12.8 | 80 | 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: 0040376

Laboratory ID: 0040376-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

| COMPOUND | SPIKE ADDED (ug/kg wet) | LCS CONCENTRATION (ug/kg wet) | LCS % REC. (* = Out) | QC LIMITS REC. |
|--------------|-------------------------------|-------------------------------------|----------------------------|----------------------|
| Aroclor 1016 | 83.3 | 42.9 | 51 | 47 - 134 |
| Aroclor 1260 | 83.3 | 61.8 | 74 | 53 - 140 |

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0040417

Laboratory ID: 0040417-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

| COMPOUND | SPIKE ADDED (ug/kg wet) | LCS CONCENTRATION (ug/kg wet) | LCS % REC. (*=Out) | QC LIMITS REC. |
|--------------|-------------------------------|-------------------------------------|--------------------------|----------------------|
| Aroclor 1016 | 83.3 | 45.3 | 54 | 47 - 134 |
| Aroclor 1260 | 83.3 | 60.9 | 73 | 53 - 140 |

* = Values outside of QC limits

DUPLICATES

PDI-077SC-A-03-04-191014

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: 0040417-DUP1

Batch: 0040417

Lab Source ID: A0D0212-01

Preparation: EPA 3546

Initial/Final: 30.58 g / 2 mL

Source Sample Name: PDI-077SC-A-03-04-191014

% Solids: 56.71

| 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 | 12.5 | | 11.6 | | 7 | | EPA 8082A |
| Aroclor 1248 | 30 | 0.00 | | ND | | | | EPA 8082A |
| Aroclor 1254 | 30 | 19.5 | | 20.0 | | 2 | | EPA 8082A |
| Aroclor 1260 | 30 | 12.9 | | 13.6 | | 5 | | 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-077SC-A-03-04-191014

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Batch: 0040417

Laboratory ID: 0040417-MS1

Preparation: EPA 3546

Initial/Final: 30.6 g / 2 mL

Source Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | SAMPLE CONCENTRATION (ug/kg dry) | MS CONCENTRATION (ug/kg dry) | MS % REC. (* = Out) | QC LIMITS REC. |
|--------------|-------------------------------|--|------------------------------------|---------------------------|----------------------|
| Aroclor 1016 | 144 | ND | 95.2 | 66 | 47 - 134 |
| Aroclor 1260 | 144 | 12.9 | 89.3 | 53 | 53 - 140 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

PDI-077SC-A-03-04-191014

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: 0040417

Laboratory ID: 0040417-MSD1

Preparation: EPA 3546

Initial/Final: 30.61 g / 2 mL

Source Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | MSD CONCENTRATION (ug/kg dry) | MSD % RECOVERY | % RPD | QC LIMITS | |
|--------------|-------------------------------|-------------------------------------|----------------------|----------|-----------|----------|
| | | | | | RPD | REC. |
| Aroclor 1016 | 144 | 102 | 71 | 7 | 30 | 47 - 134 |
| Aroclor 1260 | 144 | 93.4 | 56 | 4 | 30 | 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: 0D09025

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0D1002

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| Initial Cal Blank | 0D09025-ICB1 | ECD2R008.D | 04/09/20 10:04 |
| Cal Standard | 0D09025-CAL1 | ECD2R009.D | 04/09/20 10:21 |
| Cal Standard | 0D09025-CAL2 | ECD2R010.D | 04/09/20 10:39 |
| Cal Standard | 0D09025-CAL3 | ECD2R011.D | 04/09/20 10:57 |
| Cal Standard | 0D09025-CAL4 | ECD2R012.D | 04/09/20 11:14 |
| Cal Standard | 0D09025-CAL5 | ECD2R013.D | 04/09/20 11:32 |
| Cal Standard | 0D09025-CAL6 | ECD2R014.D | 04/09/20 11:49 |
| Cal Standard | 0D09025-CAL7 | ECD2R015.D | 04/09/20 12:07 |
| Initial Cal Check | 0D09025-ICV1 | ECD2R017.D | 04/09/20 12:42 |
| Cal Standard | 0D09025-CAL8 | ECD2R018.D | 04/09/20 13:00 |
| Cal Standard | 0D09025-CAL9 | ECD2R019.D | 04/09/20 13:18 |
| Cal Standard | 0D09025-CALA | ECD2R020.D | 04/09/20 13:35 |
| Cal Standard | 0D09025-CALB | ECD2R021.D | 04/09/20 13:53 |
| Cal Standard | 0D09025-CALC | ECD2R022.D | 04/09/20 14:11 |
| Cal Standard | 0D09025-CALD | ECD2R023.D | 04/09/20 14:28 |
| Cal Standard | 0D09025-CALE | ECD2R024.D | 04/09/20 14:46 |
| Initial Cal Check | 0D09025-ICV2 | ECD2R025.D | 04/09/20 15:03 |
| Initial Cal Check | 0D09025-ICV3 | ECD2R026.D | 04/09/20 15:21 |
| Initial Cal Check | 0D09025-ICV4 | ECD2R027.D | 04/09/20 15:39 |
| Initial Cal Check | 0D09025-ICV5 | ECD2R028.D | 04/09/20 15:57 |

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

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

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: 0D10012

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D1302

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-------------|--------------------|
| Initial Cal Blank | 0D10012-ICB1 | ECD2F005.D | 04/10/20 14:04 |
| Cal Standard | 0D10012-CAL1 | ECD2F006.D | 04/10/20 14:22 |
| Cal Standard | 0D10012-CAL2 | ECD2F007.D | 04/10/20 14:40 |
| Cal Standard | 0D10012-CAL3 | ECD2F008.D | 04/10/20 14:57 |
| Cal Standard | 0D10012-CAL4 | ECD2F009.D | 04/10/20 15:15 |
| Cal Standard | 0D10012-CAL5 | ECD2F010.D | 04/10/20 15:33 |
| Cal Standard | 0D10012-CAL6 | ECD2F011.D | 04/10/20 15:50 |
| Cal Standard | 0D10012-CAL7 | ECD2F012.D | 04/10/20 16:08 |
| Initial Cal Check | 0D10012-ICV1 | ECD2F014.D | 04/10/20 16:43 |
| Cal Standard | 0D10012-CAL8 | ECD2F015.D | 04/10/20 17:01 |
| Cal Standard | 0D10012-CAL9 | ECD2F016.D | 04/10/20 17:19 |
| Cal Standard | 0D10012-CALA | ECD2F017.D | 04/10/20 17:36 |
| Cal Standard | 0D10012-CALB | ECD2F018.D | 04/10/20 17:54 |
| Cal Standard | 0D10012-CALC | ECD2F019.D | 04/10/20 18:11 |
| Cal Standard | 0D10012-CALD | ECD2F020.D | 04/10/20 18:29 |
| Cal Standard | 0D10012-CALE | ECD2F021.D | 04/10/20 18:47 |
| Initial Cal Check | 0D10012-ICV2 | ECD2F022.D | 04/10/20 19:04 |
| Initial Cal Check | 0D10012-ICV3 | ECD2F023.D | 04/10/20 19:22 |
| Initial Cal Check | 0D10012-ICV4 | ECD2F024.D | 04/10/20 19:39 |
| Initial Cal Check | 0D10012-ICV5 | ECD2F025.D | 04/10/20 19:57 |

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

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

ANALYSIS BATCH (SEQUENCE) 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 C</u> |
| Sequence: <u>0D13025</u> | Instrument: <u>DUALECD2R</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1002</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-------------|--------------------|
| Calibration Check | 0D13025-CCV1 | ECD2R003.D | 04/13/20 07:40 |
| Calibration Blank | 0D13025-CCB1 | ECD2R004.D | 04/13/20 07:57 |
| Blank | 0040376-BLK1 | ECD2R005.D | 04/13/20 08:15 |
| LCS | 0040376-BS1 | ECD2R006.D | 04/13/20 08:32 |
| Calibration Check | 0D13025-CCV2 | ECD2R019.D | 04/13/20 12:21 |
| Calibration Blank | 0D13025-CCB2 | ECD2R020.D | 04/13/20 12:38 |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | ECD2R029.D | 04/13/20 15:17 |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | ECD2R031.D | 04/13/20 15:52 |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | ECD2R033.D | 04/13/20 16:28 |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | ECD2R035.D | 04/13/20 17:03 |
| Calibration Check | 0D13025-CCV3 | ECD2R037.D | 04/13/20 17:38 |
| Calibration Blank | 0D13025-CCB3 | ECD2R038.D | 04/13/20 17:56 |

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

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

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: 0D14026

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D1302

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-------------|--------------------|
| Calibration Check | 0D14026-CCV2 | ECD2F010.D | 04/14/20 09:35 |
| Calibration Blank | 0D14026-CCB2 | ECD2F011.D | 04/14/20 09:52 |
| Blank | 0040417-BLK1 | ECD2F012.D | 04/14/20 10:10 |
| LCS | 0040417-BS1 | ECD2F013.D | 04/14/20 10:27 |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | ECD2F014.D | 04/14/20 10:45 |
| PDI-077SC-A-03-04-191014 (Dup) | 0040417-DUP1 | ECD2F016.D | 04/14/20 11:20 |
| PDI-077SC-A-03-04-191014 (MS) | 0040417-MS1 | ECD2F018.D | 04/14/20 11:55 |
| PDI-077SC-A-03-04-191014 (MSD) | 0040417-MSD1 | ECD2F020.D | 04/14/20 12:31 |
| Calibration Check | 0D14026-CCV3 | ECD2F022.D | 04/14/20 13:06 |
| Calibration Blank | 0D14026-CCB3 | ECD2F023.D | 04/14/20 13:23 |

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 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: 0D14027

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0D1002

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-------------|--------------------|
| Calibration Check | 0D14027-CCV2 | ECD2R011.D | 04/14/20 09:52 |
| Calibration Blank | 0D14027-CCB2 | ECD2R012.D | 04/14/20 10:10 |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | ECD2R015.D | 04/14/20 11:03 |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | ECD2R017.D | 04/14/20 11:38 |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | ECD2R019.D | 04/14/20 12:13 |
| Calibration Check | 0D14027-CCV3 | ECD2R021.D | 04/14/20 12:48 |
| Calibration Blank | 0D14027-CCB3 | ECD2R022.D | 04/14/20 13:06 |

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: 0D17014

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D1302

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-------------|--------------------|
| Calibration Check | 0D17014-CCV1 | ECD2F003.D | 04/17/20 07:23 |
| Calibration Blank | 0D17014-CCB1 | ECD2F004.D | 04/17/20 07:41 |
| PDI-077SC-A-08-09-191014 | A0D0212-06RE1 | ECD2F005.D | 04/17/20 07:59 |
| Calibration Check | 0D17014-CCV2 | ECD2F012.D | 04/17/20 10:02 |
| Calibration Blank | 0D17014-CCB2 | ECD2F013.D | 04/17/20 10:20 |

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

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

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: A0D1002

Date: 04/10/20 09:42

Instrument: DUALECD2R

| 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) | 166967.2 | Ave | 8.614429 | 10.43543 | 0.015285 | | | 20 | |

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D1002

Instrument: DUALECD2R

Calibration Date: 04/10/20 09:42

| 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 | 11415.25 | 50 | 10613.6 | 100 | 9864.11 | 200 | 9259.355 | 500 | 8364.734 | 1000 | 8523.19 |
| 1016 (2) | 20 | 18341.3 | 50 | 17587.92 | 100 | 16560.65 | 200 | 16764.03 | 500 | 15431.64 | 1000 | 16205.98 |
| 1016 (3) | 20 | 9061.05 | 50 | 8498.7 | 100 | 7798.57 | 200 | 7440.915 | 500 | 7042.354 | 1000 | 7188.564 |
| 1016 (4) | 20 | 9993.8 | 50 | 8911.5 | 100 | 8241.02 | 200 | 7817.04 | 500 | 6924.018 | 1000 | 7244.607 |
| 1016 (5) | 20 | 10455.9 | 50 | 9436.8 | 100 | 8934.65 | 200 | 8440.48 | 500 | 7697.556 | 1000 | 7770.215 |
| 1016 (6) | 20 | 10422.95 | 50 | 9718.44 | 100 | 8917.68 | 200 | 8341.245 | 500 | 8167.954 | 1000 | 8021.413 |
| Aroclor 1016 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| 1260 (1) | 20 | 18635.9 | 50 | 17668.5 | 100 | 17174.89 | 200 | 16717.58 | 500 | 15193.82 | 1000 | 15715.63 |
| 1260 (2) | 20 | 23169.7 | 50 | 21739.06 | 100 | 20502.32 | 200 | 20172.12 | 500 | 19709.47 | 1000 | 20242.7 |
| 1260 (3) | 20 | 21451.7 | 50 | 21489.58 | 100 | 20712.43 | 200 | 20989.11 | 500 | 19648.73 | 1000 | 20278.82 |
| 1260 (4) | 20 | 33235.05 | 50 | 33864.92 | 100 | 33216.16 | 200 | 34537.71 | 500 | 32725.54 | 1000 | 33671.17 |
| 1260 (5) | 20 | 20344.45 | 50 | 20491.74 | 100 | 19247.31 | 200 | 19961.32 | 500 | 19293.84 | 1000 | 19024.17 |
| 1260 (6) | 20 | 8744.5 | 50 | 8448.64 | 100 | 7594.05 | 200 | 7502.885 | 500 | 7188.462 | 1000 | 7276.838 |
| Aroclor 1260 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| Decachlorobiphenyl (Surr) | 10 | 154970.3 | 25 | 162527.1 | 50 | 159805.1 | 100 | 163268.1 | 250 | 155257.2 | 500 | 178898.1 |

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: A0D1002

Instrument: DUALECD2R

Matrix:

Calibration Date: 04/10/20 09:42

| 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 | 8777.84 | | | | | | | | | | |
| 1016 (2) | 1500 | 16036.83 | | | | | | | | | | |
| 1016 (3) | 1500 | 7068.82 | | | | | | | | | | |
| 1016 (4) | 1500 | 7030.827 | | | | | | | | | | |
| 1016 (5) | 1500 | 8052.327 | | | | | | | | | | |
| 1016 (6) | 1500 | 7925.533 | | | | | | | | | | |
| Aroclor 1016 | 1500 | ϕ | | | | | | | | | | |
| 1254 (1) | | | | | | | | | | | 500 | 12896.13 |
| 1254 (2) | | | | | | | | | | | 500 | 20446.32 |
| 1254 (3) | | | | | | | | | | | 500 | 22091.52 |
| 1254 (4) | | | | | | | | | | | 500 | 17356.64 |
| 1254 (5) | | | | | | | | | | | 500 | 16545.45 |
| 1254 (6) | | | | | | | | | | | 500 | 5026.034 |
| Aroclor 1254 | | | | | | | | | | | 500 | ϕ |
| 1260 (1) | 1500 | 15684.29 | | | | | | | | | | |
| 1260 (2) | 1500 | 19481.93 | | | | | | | | | | |
| 1260 (3) | 1500 | 21123.63 | | | | | | | | | | |
| 1260 (4) | 1500 | 36399.36 | | | | | | | | | | |
| 1260 (5) | 1500 | 20180.3 | | | | | | | | | | |
| 1260 (6) | 1500 | 7733.08 | | | | | | | | | | |
| Aroclor 1260 | 1500 | ϕ | | | | | | | | | | |
| Decachlorobiphenyl (Surr) | 800 | 194044.5 | | | 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: A0D1002

Instrument: DUALECD2R

Matrix:

Calibration Date: 04/10/20 09:42

| 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 | 16270.73 | | | | | | | | | | |
| 1262 (2) | 500 | 21838.5 | | | | | | | | | | |
| 1262 (3) | 500 | 17947.76 | | | | | | | | | | |
| 1262 (4) | 500 | 38677.38 | | | | | | | | | | |
| 1262 (5) | 500 | 23339.54 | | | | | | | | | | |
| 1262 (6) | 500 | 10397.75 | | | | | | | | | | |
| Aroclor 1262 | 500 | 0 | | | | | | | | | | |
| Decachlorobiphenyl (Surr) | 200 | 0 | 200 | 0 | | | | | | | | |

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: A0D1302

Date: 04/13/20 10:12

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) | 152089.5 | Ave | 4.457129 | 9.484143 | 6.450119E-03 | | | 20 | |

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0D1302

Instrument: DUALECD2F

Calibration Date: 04/13/20 10:12

| 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 | 5635.8 | 50 | 5316.12 | 100 | 4796.62 | 200 | 4596.265 | 500 | 4343.592 | 1000 | 4293.628 |
| 1016 (2) | 20 | 10835.7 | 50 | 10751.06 | 100 | 9971.33 | 200 | 9949.92 | 500 | 9969.572 | 1000 | 10051.2 |
| 1016 (3) | 20 | 6053.4 | 50 | 5935.26 | 100 | 5436.35 | 200 | 5048.26 | 500 | 4973.506 | 1000 | 4831.278 |
| 1016 (4) | 20 | 5690.3 | 50 | 5364.9 | 100 | 4797.61 | 200 | 4587.445 | 500 | 4462.102 | 1000 | 4347.874 |
| 1016 (5) | 20 | 6870.85 | 50 | 6249.56 | 100 | 5657.22 | 200 | 5388.81 | 500 | 5394.974 | 1000 | 5043.851 |
| 1016 (6) | 20 | 4897.95 | 50 | 4469.7 | 100 | 4086.08 | 200 | 3909.9 | 500 | 3760.244 | 1000 | 3670.234 |
| Aroclor 1016 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| 1260 (1) | 20 | 12932.95 | 50 | 11785.86 | 100 | 10979.18 | 200 | 10706.18 | 500 | 10617.27 | 1000 | 10695.71 |
| 1260 (2) | 20 | 15324.05 | 50 | 14599.32 | 100 | 14270.6 | 200 | 14054.14 | 500 | 13649.59 | 1000 | 13330.36 |
| 1260 (3) | 20 | 12195.6 | 50 | 11205.66 | 100 | 10560.8 | 200 | 10173.68 | 500 | 9843.184 | 1000 | 10197.05 |
| 1260 (4) | 20 | 26608.55 | 50 | 26171.02 | 100 | 25507.77 | 200 | 25352.61 | 500 | 25813.54 | 1000 | 25942.9 |
| 1260 (5) | 20 | 18094.85 | 50 | 17009.42 | 100 | 16834.64 | 200 | 16838.22 | 500 | 16452.47 | 1000 | 16754.15 |
| 1260 (6) | 20 | 7977.05 | 50 | 7417.82 | 100 | 6765.53 | 200 | 6750.395 | 500 | 6638.51 | 1000 | 6589.832 |
| Aroclor 1260 | 20 | θ | 50 | θ | 100 | θ | 200 | θ | 500 | θ | 1000 | θ |
| Decachlorobiphenyl (Surr) | 10 | 147890.5 | 25 | 152379.5 | 50 | 149965.3 | 100 | 152882.8 | 250 | 141528.1 | 500 | 157120 |

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: A0D1302

Instrument: DUALECD2F

Matrix:

Calibration Date: 04/13/20 10:12

| 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 | 4340.97 | | | | | | | | | | |
| 1016 (2) | 1500 | 10506.61 | | | | | | | | | | |
| 1016 (3) | 1500 | 5093.079 | | | | | | | | | | |
| 1016 (4) | 1500 | 4519.765 | | | | | | | | | | |
| 1016 (5) | 1500 | 5023.771 | | | | | | | | | | |
| 1016 (6) | 1500 | 3722.185 | | | | | | | | | | |
| Aroclor 1016 | 1500 | ϕ | | | | | | | | | | |
| 1254 (1) | | | | | | | | | | | 500 | 8688.99 |
| 1254 (2) | | | | | | | | | | | 500 | 11235.9 |
| 1254 (3) | | | | | | | | | | | 500 | 16811.18 |
| 1254 (4) | | | | | | | | | | | 500 | 10678.19 |
| 1254 (5) | | | | | | | | | | | 500 | 11749.49 |
| 1254 (6) | | | | | | | | | | | 500 | 3770.14 |
| Aroclor 1254 | | | | | | | | | | | 500 | ϕ |
| 1260 (1) | 1500 | 10848.91 | | | | | | | | | | |
| 1260 (2) | 1500 | 13738.72 | | | | | | | | | | |
| 1260 (3) | 1500 | 10038.19 | | | | | | | | | | |
| 1260 (4) | 1500 | 27268.07 | | | | | | | | | | |
| 1260 (5) | 1500 | 16542.79 | | | | | | | | | | |
| 1260 (6) | 1500 | 6911.187 | | | | | | | | | | |
| Aroclor 1260 | 1500 | ϕ | | | | | | | | | | |
| Decachlorobiphenyl (Surr) | 800 | 162860.3 | | | 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: A0D1302

Instrument: DUALECD2F

Matrix:

Calibration Date: 04/13/20 10:12

| 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 | 11049.09 | | | | | | | | | | |
| 1262 (2) | 500 | 15182.49 | | | | | | | | | | |
| 1262 (3) | 500 | 13169.83 | | | | | | | | | | |
| 1262 (4) | 500 | 29420.98 | | | | | | | | | | |
| 1262 (5) | 500 | 18125.6 | | | | | | | | | | |
| 1262 (6) | 500 | 9658.112 | | | | | | | | | | |
| 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: DUALECD2R Calibration: A0D1002
Lab File ID: ECD2R017.D
Sequence: 0D09025 Inject Date: 04/09/20
Lab Sample ID: 0D09025-ICV1 Inject Time: 12:42

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1016 | 500 | 443 | -11.4 | 70 - 130 |
| Aroclor 1260 | 500 | 464 | -7.1 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 200 | 201 | 0.3 | 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: DUALECD2R Calibration: A0D1002
Lab File ID: ECD2R025.D
Sequence: 0D09025 Inject Date: 04/09/20
Lab Sample ID: 0D09025-ICV2 Inject Time: 15:03

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1221 | 1000 | 985 | -1.5 | 70 - 130 |
| Aroclor 1254 | 500 | 514 | 2.7 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 80.0 | 0.06 | 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: DUALECD2R Calibration: A0D1002
Lab File ID: ECD2R026.D
Sequence: 0D09025 Inject Date: 04/09/20
Lab Sample ID: 0D09025-ICV3 Inject Time: 15:21

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1232 | 500 | 568 | 13.7 | 70 - 130 |
| Aroclor 1262 | 500 | 528 | 5.7 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 85.8 | 7.2 | 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: DUALECD2R Calibration: A0D1002
Lab File ID: ECD2R027.D
Sequence: 0D09025 Inject Date: 04/09/20
Lab Sample ID: 0D09025-ICV4 Inject Time: 15:39

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1242 | 500 | 530 | 5.9 | 70 - 130 |
| Aroclor 1268 | 500 | 500 | 0.01 | 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: A0D1302
Lab File ID: ECD2F014.D
Sequence: 0D10012 Inject Date: 04/10/20
Lab Sample ID: 0D10012-ICV1 Inject Time: 16:43

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1016 | 500 | 481 | -3.8 | 70 - 130 |
| Aroclor 1260 | 500 | 474 | -5.3 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 200 | 207 | 3.3 | 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: A0D1302
Lab File ID: ECD2F022.D
Sequence: 0D10012 Inject Date: 04/10/20
Lab Sample ID: 0D10012-ICV2 Inject Time: 19:04

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1221 | 1000 | 988 | -1.2 | 70 - 130 |
| Aroclor 1254 | 500 | 488 | -2.4 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 85.7 | 7.1 | 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: A0D1302
Lab File ID: ECD2F023.D
Sequence: 0D10012 Inject Date: 04/10/20
Lab Sample ID: 0D10012-ICV3 Inject Time: 19:22

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------------------|---------------------|------------------|---------|----------|
| Aroclor 1232 | 500 | 561 | 12.3 | 70 - 130 |
| Aroclor 1262 | 500 | 538 | 7.5 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 80.0 | 92.0 | 15.0 | 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: A0D1302
Lab File ID: ECD2F024.D
Sequence: 0D10012 Inject Date: 04/10/20
Lab Sample ID: 0D10012-ICV4 Inject Time: 19:39

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1242 | 500 | 538 | 7.7 | 70 - 130 |
| Aroclor 1268 | 500 | 501 | 0.3 | 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: A0D1302
Lab File ID: ECD2F025.D
Sequence: 0D10012 Inject Date: 04/10/20
Lab Sample ID: 0D10012-ICV5 Inject Time: 19:57

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------|---------------------|------------------|---------|----------|
| Aroclor 1248 | 500 | 537 | 7.4 | 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>DUALECD2R</u> | Calibration: <u>A0D1002</u> |
| Lab File ID: <u>ECD2R003.D</u> | Calibration Date: <u>04/10/20 09:42</u> |
| Sequence: <u>0D13025</u> | Injection Date: <u>04/13/20</u> |
| Lab Sample ID: <u>0D13025-CCV1</u> | Injection Time: <u>07:40</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 | 477 | | | | -4.5 | 20 |
| Aroclor 1260 | Ave | 500 | 491 | | | | -1.8 | 20 |

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

* = 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>DUALECD2R</u> | Calibration: <u>A0D1002</u> |
| Lab File ID: <u>ECD2R019.D</u> | Calibration Date: <u>04/10/20 09:42</u> |
| Sequence: <u>0D13025</u> | Injection Date: <u>04/13/20</u> |
| Lab Sample ID: <u>0D13025-CCV2</u> | Injection Time: <u>12:21</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 | 492 | | | | -1.6 | 20 |
| Aroclor 1260 | Ave | 500 | 521 | | | | 4.3 | 20 |

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

* = 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>DUALECD2R</u> | Calibration: <u>A0D1002</u> |
| Lab File ID: <u>ECD2R037.D</u> | Calibration Date: <u>04/10/20 09:42</u> |
| Sequence: <u>0D13025</u> | Injection Date: <u>04/13/20</u> |
| Lab Sample ID: <u>0D13025-CCV3</u> | Injection Time: <u>17:38</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 | 444 | | | | -11.3 | 20 |
| Aroclor 1260 | Ave | 500 | 444 | | | | -11.1 | 20 |

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

* = 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>A0D1302</u> |
| Lab File ID: <u>ECD2F010.D</u> | Calibration Date: <u>04/13/20 10:12</u> |
| Sequence: <u>0D14026</u> | Injection Date: <u>04/14/20</u> |
| Lab Sample ID: <u>0D14026-CCV2</u> | Injection Time: <u>09:35</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 | 455 | | | | -8.9 | 20 |
| Aroclor 1260 | Ave | 500 | 462 | | | | -7.6 | 20 |

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

* = 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>A0D1302</u> |
| Lab File ID: <u>ECD2F022.D</u> | Calibration Date: <u>04/13/20 10:12</u> |
| Sequence: <u>0D14026</u> | Injection Date: <u>04/14/20</u> |
| Lab Sample ID: <u>0D14026-CCV3</u> | Injection Time: <u>13:06</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 | 441 | | | | -11.8 | 20 |
| Aroclor 1260 | Ave | 500 | 452 | | | | -9.7 | 20 |

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

* = 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>DUALECD2R</u> | Calibration: <u>A0D1002</u> |
| Lab File ID: <u>ECD2R011.D</u> | Calibration Date: <u>04/10/20 09:42</u> |
| Sequence: <u>0D14027</u> | Injection Date: <u>04/14/20</u> |
| Lab Sample ID: <u>0D14027-CCV2</u> | Injection Time: <u>09:52</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 | 454 | | | | -9.1 | 20 |
| Aroclor 1260 | Ave | 500 | 486 | | | | -2.9 | 20 |

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

* = 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>DUALECD2R</u> | Calibration: <u>A0D1002</u> |
| Lab File ID: <u>ECD2R021.D</u> | Calibration Date: <u>04/10/20 09:42</u> |
| Sequence: <u>0D14027</u> | Injection Date: <u>04/14/20</u> |
| Lab Sample ID: <u>0D14027-CCV3</u> | Injection Time: <u>12:48</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 | 480 | | | | -4.0 | 20 |
| Aroclor 1260 | Ave | 500 | 508 | | | | 1.6 | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD2F

Calibration: A0D1302

Lab File ID: ECD2F003.D

Calibration Date: 04/13/20 10:12

Sequence: 0D17014

Injection Date: 04/17/20

Lab Sample ID: 0D17014-CCV1

Injection Time: 07:23

| 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 | 435 | | | | -12.9 | 20 |
| Aroclor 1260 | Ave | 500 | 460 | | | | -8.1 | 20 |

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

* = 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>A0D1302</u> |
| Lab File ID: <u>ECD2F012.D</u> | Calibration Date: <u>04/13/20 10:12</u> |
| Sequence: <u>0D17014</u> | Injection Date: <u>04/17/20</u> |
| Lab Sample ID: <u>0D17014-CCV2</u> | Injection Time: <u>10:02</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 | 440 | | | | -12.0 | 20 |
| Aroclor 1260 | Ave | 500 | 448 | | | | -10.5 | 20 |

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 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> |
| Sequence: <u>0D09025</u> | Instrument: <u>DUALECD2R</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1002</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-------------------------|--------|--------------------------|---------|---------------|---|
| Initial Cal Check (0D09025-ICV1) | | | Lab File ID: ECD2R017.D | | Analyzed: 04/09/20 12:42 | | | |
| Decachlorobiphenyl (Surr) | 200 | 100 | 70 - 130 | 10.435 | 10.43543 | -0.0004 | +/-1.0 | |
| Initial Cal Check (0D09025-ICV2) | | | Lab File ID: ECD2R025.D | | Analyzed: 04/09/20 15:03 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 100 | 70 - 130 | 10.436 | 10.43543 | 0.0006 | +/-1.0 | |
| Initial Cal Check (0D09025-ICV3) | | | Lab File ID: ECD2R026.D | | Analyzed: 04/09/20 15:21 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 107 | 70 - 130 | 10.435 | 10.43543 | -0.0004 | +/-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>0D10012</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1302</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Initial Cal Check (0D10012-ICV1) | | | Lab File ID: ECD2F014.D | | Analyzed: 04/10/20 16:43 | | | |
| Decachlorobiphenyl (Surr) | 200 | 103 | 70 - 130 | 9.484 | 9.484143 | -0.0001 | +/-1.0 | |
| Initial Cal Check (0D10012-ICV2) | | | Lab File ID: ECD2F022.D | | Analyzed: 04/10/20 19:04 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 107 | 70 - 130 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| Initial Cal Check (0D10012-ICV3) | | | Lab File ID: ECD2F023.D | | Analyzed: 04/10/20 19:22 | | | |
| Decachlorobiphenyl (Surr) | 80.0 | 115 | 70 - 130 | 9.482 | 9.484143 | -0.0021 | +/-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 C</u> |
| Sequence: <u>0D13025</u> | Instrument: <u>DUALECD2R</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1002</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|-------------------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D13025-CCV1) | | | Lab File ID: ECD2R003.D | | Analyzed: 04/13/20 07:40 | | | |
| Decachlorobiphenyl (Surr) | 250 | 102 | 80 - 120 | 10.433 | 10.43543 | -0.0024 | +/-1.0 | |
| Calibration Blank (0D13025-CCB1) | | | Lab File ID: ECD2R004.D | | Analyzed: 04/13/20 07:57 | | | |
| Decachlorobiphenyl (Surr) | 100 | 86 | 43 - 120 | 10.434 | 10.43543 | -0.0014 | +/-1.0 | |
| Blank (0040376-BLK1) | | | Lab File ID: ECD2R005.D | | Analyzed: 04/13/20 08:15 | | | |
| Decachlorobiphenyl (Surr) | 16.1 | 84 | 43 - 120 | 10.433 | 10.43543 | -0.0024 | +/-1.0 | |
| LCS (0040376-BS1) | | | Lab File ID: ECD2R006.D | | Analyzed: 04/13/20 08:32 | | | |
| Decachlorobiphenyl (Surr) | 16.7 | 73 | 43 - 120 | 10.432 | 10.43543 | -0.0034 | +/-1.0 | |
| Calibration Check (0D13025-CCV2) | | | Lab File ID: ECD2R019.D | | Analyzed: 04/13/20 12:21 | | | |
| Decachlorobiphenyl (Surr) | 250 | 107 | 80 - 120 | 10.431 | 10.43543 | -0.0044 | +/-1.0 | |
| Calibration Blank (0D13025-CCB2) | | | Lab File ID: ECD2R020.D | | Analyzed: 04/13/20 12:38 | | | |
| Decachlorobiphenyl (Surr) | 100 | 91 | 43 - 120 | 10.43 | 10.43543 | -0.0054 | +/-1.0 | |
| PDI-077SC-A-04-05-191014 (A0D0212-02) | | | Lab File ID: ECD2R029.D | | Analyzed: 04/13/20 15:17 | | | |
| Decachlorobiphenyl (Surr) | 31.4 | 75 | 43 - 120 | 10.433 | 10.43543 | -0.0024 | +/-1.0 | |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | Lab File ID: ECD2R031.D | | Analyzed: 04/13/20 15:52 | | | |
| Decachlorobiphenyl (Surr) | 26.3 | 56 | 43 - 120 | 10.433 | 10.43543 | -0.0024 | +/-1.0 | |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | Lab File ID: ECD2R033.D | | Analyzed: 04/13/20 16:28 | | | |
| Decachlorobiphenyl (Surr) | 26.8 | 81 | 43 - 120 | 10.433 | 10.43543 | -0.0024 | +/-1.0 | |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | Lab File ID: ECD2R035.D | | Analyzed: 04/13/20 17:03 | | | |
| Decachlorobiphenyl (Surr) | 27.0 | 66 | 43 - 120 | 10.434 | 10.43543 | -0.0014 | +/-1.0 | |
| Calibration Check (0D13025-CCV3) | | | Lab File ID: ECD2R037.D | | Analyzed: 04/13/20 17:38 | | | |
| Decachlorobiphenyl (Surr) | 250 | 98 | 80 - 120 | 10.431 | 10.43543 | -0.0044 | +/-1.0 | |
| Calibration Blank (0D13025-CCB3) | | | Lab File ID: ECD2R038.D | | Analyzed: 04/13/20 17:56 | | | |
| Decachlorobiphenyl (Surr) | 100 | 82 | 43 - 120 | 10.431 | 10.43543 | -0.0044 | +/-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 C</u> |
| Sequence: <u>0D14026</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1302</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (0D14026-CCV2) | | | Lab File ID: ECD2F010.D | | Analyzed: 04/14/20 09:35 | | | |
| Decachlorobiphenyl (Surr) | 250 | 96 | 80 - 120 | 9.483 | 9.484143 | -0.0011 | +/-1.0 | |
| Calibration Blank (0D14026-CCB2) | | | Lab File ID: ECD2F011.D | | Analyzed: 04/14/20 09:52 | | | |
| Decachlorobiphenyl (Surr) | 100 | 87 | 40 - 135 | 9.483 | 9.484143 | -0.0011 | +/-1.0 | |
| Blank (0040417-BLK1) | | | Lab File ID: ECD2F012.D | | Analyzed: 04/14/20 10:10 | | | |
| Decachlorobiphenyl (Surr) | 16.1 | 80 | 43 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| LCS (0040417-BS1) | | | Lab File ID: ECD2F013.D | | Analyzed: 04/14/20 10:27 | | | |
| Decachlorobiphenyl (Surr) | 16.7 | 77 | 43 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | Lab File ID: ECD2F014.D | | Analyzed: 04/14/20 10:45 | | | |
| Decachlorobiphenyl (Surr) | 28.9 | 51 | 43 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| Duplicate (0040417-DUP1) | | | Lab File ID: ECD2F016.D | | Analyzed: 04/14/20 11:20 | | | |
| Decachlorobiphenyl (Surr) | 28.8 | 53 | 43 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| Matrix Spike (0040417-MS1) | | | Lab File ID: ECD2F018.D | | Analyzed: 04/14/20 11:55 | | | |
| Decachlorobiphenyl (Surr) | 28.8 | 45 | 43 - 120 | 9.484 | 9.484143 | -0.0001 | +/-1.0 | |
| Matrix Spike Dup (0040417-MSD1) | | | Lab File ID: ECD2F020.D | | Analyzed: 04/14/20 12:31 | | | |
| Decachlorobiphenyl (Surr) | 28.8 | 53 | 43 - 120 | 9.483 | 9.484143 | -0.0011 | +/-1.0 | |
| Calibration Check (0D14026-CCV3) | | | Lab File ID: ECD2F022.D | | Analyzed: 04/14/20 13:06 | | | |
| Decachlorobiphenyl (Surr) | 250 | 94 | 80 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| Calibration Blank (0D14026-CCB3) | | | Lab File ID: ECD2F023.D | | Analyzed: 04/14/20 13:23 | | | |
| Decachlorobiphenyl (Surr) | 100 | 81 | 40 - 135 | 9.481 | 9.484143 | -0.0031 | +/-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 C</u> |
| Sequence: <u>0D14027</u> | Instrument: <u>DUALECD2R</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1002</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-------------------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D14027-CCV2) | | | Lab File ID: ECD2R011.D | | Analyzed: 04/14/20 09:52 | | | |
| Decachlorobiphenyl (Surr) | 250 | 103 | 80 - 120 | 10.432 | 10.43543 | -0.0034 | +/-1.0 | |
| Calibration Blank (0D14027-CCB2) | | | Lab File ID: ECD2R012.D | | Analyzed: 04/14/20 10:10 | | | |
| Decachlorobiphenyl (Surr) | 100 | 89 | 40 - 135 | 10.43 | 10.43543 | -0.0054 | +/-1.0 | |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | Lab File ID: ECD2R015.D | | Analyzed: 04/14/20 11:03 | | | |
| Decachlorobiphenyl (Surr) | 21.2 | 68 | 43 - 120 | 10.431 | 10.43543 | -0.0044 | +/-1.0 | |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | Lab File ID: ECD2R017.D | | Analyzed: 04/14/20 11:38 | | | |
| Decachlorobiphenyl (Surr) | 21.4 | 70 | 43 - 120 | 10.43 | 10.43543 | -0.0054 | +/-1.0 | |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | Lab File ID: ECD2R019.D | | Analyzed: 04/14/20 12:13 | | | |
| Decachlorobiphenyl (Surr) | 21.6 | 68 | 43 - 120 | 10.43 | 10.43543 | -0.0054 | +/-1.0 | |
| Calibration Check (0D14027-CCV3) | | | Lab File ID: ECD2R021.D | | Analyzed: 04/14/20 12:48 | | | |
| Decachlorobiphenyl (Surr) | 250 | 104 | 80 - 120 | 10.429 | 10.43543 | -0.0064 | +/-1.0 | |
| Calibration Blank (0D14027-CCB3) | | | Lab File ID: ECD2R022.D | | Analyzed: 04/14/20 13:06 | | | |
| Decachlorobiphenyl (Surr) | 100 | 89 | 40 - 135 | 10.429 | 10.43543 | -0.0064 | +/-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 C</u> |
| Sequence: <u>0D17014</u> | Instrument: <u>DUALECD2F</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D1302</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|----------------------|------------|-------------------------|-------|--------------------------|---------|---------------|---|
| Calibration Check (0D17014-CCV1) | | | Lab File ID: ECD2F003.D | | Analyzed: 04/17/20 07:23 | | | |
| Decachlorobiphenyl (Surr) | 250 | 98 | 80 - 120 | 9.487 | 9.484143 | 0.0029 | +/-1.0 | |
| Calibration Blank (0D17014-CCB1) | | | Lab File ID: ECD2F004.D | | Analyzed: 04/17/20 07:41 | | | |
| Decachlorobiphenyl (Surr) | 100 | 85 | 40 - 135 | 9.485 | 9.484143 | 0.0009 | +/-1.0 | |
| PDI-077SC-A-08-09-191014 (A0D0212-06RE1) | | | Lab File ID: ECD2F005.D | | Analyzed: 04/17/20 07:59 | | | |
| Decachlorobiphenyl (Surr) | 26.0 | 53 | 43 - 120 | 9.487 | 9.484143 | 0.0029 | +/-1.0 | |
| Calibration Check (0D17014-CCV2) | | | Lab File ID: ECD2F012.D | | Analyzed: 04/17/20 10:02 | | | |
| Decachlorobiphenyl (Surr) | 250 | 95 | 80 - 120 | 9.482 | 9.484143 | -0.0021 | +/-1.0 | |
| Calibration Blank (0D17014-CCB2) | | | Lab File ID: ECD2F013.D | | Analyzed: 04/17/20 10:20 | | | |
| Decachlorobiphenyl (Surr) | 100 | 86 | 40 - 135 | 9.484 | 9.484143 | -0.0001 | +/-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-077SC-A-03-04-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/13/20 09:27 | 182.04 | 365.00 | 04/14/20 10:45 | 1.05 | 40.00 | |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 10:37 | 179.08 | 365.00 | 04/13/20 15:17 | 3.19 | 40.00 | |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 10:37 | 179.08 | 365.00 | 04/13/20 15:52 | 3.22 | 40.00 | |
| PDI-077SC-A-06-07-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 10:37 | 179.08 | 365.00 | 04/13/20 16:28 | 3.24 | 40.00 | |
| PDI-077SC-A-07-08-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 10:37 | 179.08 | 365.00 | 04/13/20 17:03 | 3.27 | 40.00 | |
| PDI-077SC-A-08-09-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/13/20 09:27 | 182.04 | 365.00 | 04/17/20 07:59 | 3.94 | 40.00 | |
| PDI-077SC-A-09-10-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/13/20 09:27 | 182.04 | 365.00 | 04/14/20 11:03 | 1.07 | 40.00 | |
| PDI-077SC-A-10-11-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/13/20 09:27 | 182.04 | 365.00 | 04/14/20 11:38 | 1.09 | 40.00 | |
| PDI-077SC-A-11-12-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/13/20 09:27 | 182.04 | 365.00 | 04/14/20 12:13 | 1.12 | 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 C

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|-----------------|
| <u>PDI-077SC-A-03-04-191014</u> | <u>A0D0212-01</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-04-05-191014</u> | <u>A0D0212-02</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-05-06-191014</u> | <u>A0D0212-03</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-06-07-191014</u> | <u>A0D0212-04</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-07-08-191014</u> | <u>A0D0212-05</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-08-09-191014</u> | <u>A0D0212-06</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-09-10-191014</u> | <u>A0D0212-07</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-10-11-191014</u> | <u>A0D0212-08</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-11-12-191014</u> | <u>A0D0212-09</u> | <u>Sediment</u> |

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

Signature:



Name:

David G. Jack

Forms Created:

5/4/2020 12:47PM

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 | 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-077SC-A-03-04-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-01RE1</u> | File ID: <u>ECD5-04202011.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 14:49</u> |
| Solids: <u>56.71</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.32 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 2 | 6.83 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 2 | 6.83 | U |
| 789-02-6 | 2,4'-DDT | 2 | 6.83 | U |
| 72-54-8 | 4,4'-DDD | 2 | 19.1 | D |
| 72-55-9 | 4,4'-DDE | 2 | 13.9 | D |
| 50-29-3 | 4,4'-DDT | 2 | 11.2 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 85.4 | 59.6 | 70 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 85.4 | 79.6 | 93 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-04-05-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-02RE1</u> | File ID: <u>ECD5-04152025.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:28</u> | Analyzed: <u>04/15/20 19:08</u> |
| Solids: <u>51.54</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.16 g / 10 mL</u> |
| Batch: <u>0040379</u> | Sequence: <u>0D15038</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 2 | 7.64 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 2 | 7.64 | U |
| 72-54-8 | 4,4'-DDD | 2 | 22.8 | D |
| 72-55-9 | 4,4'-DDE | 2 | 11.3 | D |
| 50-29-3 | 4,4'-DDT | 2 | 7.64 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 95.5 | 88.2 | 92 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 95.5 | 90.8 | 95 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-04-05-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-02RE2</u> | File ID: <u>ECD5-04172023.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:28</u> | Analyzed: <u>04/17/20 18:06</u> |
| Solids: <u>51.54</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.16 g / 10 mL</u> |
| Batch: <u>0040379</u> | Sequence: <u>0D17030</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|----------|----------|-------------------|---|
| 789-02-6 | 2,4'-DDT | 2 | 3.82 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 95.5 | 95.2 | 100 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 95.5 | 98.2 | 103 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-05-06-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-03RE1</u> | File ID: <u>ECD5-04152013.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:28</u> | Analyzed: <u>04/15/20 15:26</u> |
| Solids: <u>62.06</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.32 g / 10 mL</u> |
| Batch: <u>0040379</u> | Sequence: <u>0D15038</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 1 | 1.56 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 1 | 1.56 | U |
| 72-54-8 | 4,4'-DDD [2C] | 1 | 1.56 | U |
| 72-55-9 | 4,4'-DDE [2C] | 1 | 1.56 | U |
| 50-29-3 | 4,4'-DDT | 1 | 1.56 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 78.1 | 54.5 | 70 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 78.1 | 56.4 | 72 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-05-06-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-03RE2</u> | File ID: <u>ECD5-04172011.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:28</u> | Analyzed: <u>04/17/20 14:21</u> |
| Solids: <u>62.06</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.32 g / 10 mL</u> |
| Batch: <u>0040379</u> | Sequence: <u>0D17030</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|---------------|----------|-------------------|---|
| 789-02-6 | 2,4'-DDT [2C] | 1 | 1.56 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 78.1 | 60.0 | 77 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 78.1 | 60.3 | 77 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-06-07-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-04RE1</u> | File ID: <u>ECD5-04202022.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 18:14</u> |
| Solids: <u>61.82</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.34 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD | 5 | 54.4 | D |
| 3424-82-6 | 2,4'-DDE | 5 | 22.2 | D |
| 789-02-6 | 2,4'-DDT [2C] | 5 | 15.6 | U |
| 72-54-8 | 4,4'-DDD | 5 | 140 | D |
| 72-55-9 | 4,4'-DDE | 5 | 22.7 | D |
| 50-29-3 | 4,4'-DDT | 5 | 56.9 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 78.2 | 75.5 | 96 | 42 - 129 | |
| Decachlorobiphenyl (Surr) | 78.2 | 84.9 | 108 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-07-08-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-05RE1</u> | File ID: <u>ECD5-04202024.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 18:52</u> |
| Solids: <u>60.27</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.17 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD | 5 | 141 | D |
| 3424-82-6 | 2,4'-DDE | 5 | 58.2 | D |
| 789-02-6 | 2,4'-DDT [2C] | 5 | 17.9 | U |
| 72-54-8 | 4,4'-DDD | 5 | 278 | D |
| 72-55-9 | 4,4'-DDE | 5 | 65.9 | D |
| 50-29-3 | 4,4'-DDT | 5 | 127 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 81.6 | 81.5 | 100 | 42 - 129 | |
| Decachlorobiphenyl (Surr) | 81.6 | 84.3 | 103 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-08-09-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-06RE1</u> | File ID: <u>ECD5-04202026.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 19:30</u> |
| Solids: <u>62.83</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.61 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|----------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD | 2 | 93.1 | D |
| 3424-82-6 | 2,4'-DDE | 2 | 31.2 | D |
| 789-02-6 | 2,4'-DDT | 2 | 6.90 | U |
| 72-54-8 | 4,4'-DDD | 2 | 198 | D |
| 72-55-9 | 4,4'-DDE | 2 | 28.0 | D |
| 50-29-3 | 4,4'-DDT | 2 | 52.5 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 75.0 | 54.5 | 73 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 75.0 | 82.3 | 110 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-09-10-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-07RE1</u> | File ID: <u>ECD5-04202028.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 20:08</u> |
| Solids: <u>77.81</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.31 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD | 2 | 6.33 | D |
| 3424-82-6 | 2,4'-DDE [2C] | 2 | 2.49 | U |
| 789-02-6 | 2,4'-DDT [2C] | 2 | 2.49 | U |
| 72-54-8 | 4,4'-DDD | 2 | 19.6 | D |
| 72-55-9 | 4,4'-DDE | 2 | 2.49 | U |
| 50-29-3 | 4,4'-DDT | 2 | 7.43 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 62.3 | 57.9 | 93 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 62.3 | 69.3 | 111 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-10-11-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-08RE1</u> | File ID: <u>ECD5-04202009.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 14:15</u> |
| Solids: <u>76.73</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.66 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 1 | 1.22 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 1 | 1.22 | U |
| 789-02-6 | 2,4'-DDT [2C] | 1 | 1.22 | U |
| 72-54-8 | 4,4'-DDD [2C] | 1 | 1.22 | U |
| 72-55-9 | 4,4'-DDE [2C] | 1 | 1.22 | U |
| 50-29-3 | 4,4'-DDT [2C] | 1 | 1.22 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 61.1 | 36.9 | 60 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 61.1 | 48.7 | 80 | 55 - 130 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-077SC-A-11-12-191014

| | | |
|--------------------------------------|--|---------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-09RE1</u> | File ID: <u>ECD5-04202010.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 08:43</u> | Analyzed: <u>04/20/20 14:32</u> |
| Solids: <u>76.46</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>10.26 g / 10 mL</u> |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |
| | | Instrument: <u>DUALECD5</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|-----------|---------------|----------|-------------------|---|
| 53-19-0 | 2,4'-DDD [2C] | 1 | 1.27 | U |
| 3424-82-6 | 2,4'-DDE [2C] | 1 | 1.27 | U |
| 789-02-6 | 2,4'-DDT [2C] | 1 | 1.27 | U |
| 72-54-8 | 4,4'-DDD [2C] | 1 | 1.27 | U |
| 72-55-9 | 4,4'-DDE [2C] | 1 | 1.27 | U |
| 50-29-3 | 4,4'-DDT [2C] | 1 | 1.27 | U |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 63.7 | 37.7 | 59 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 63.7 | 52.0 | 82 | 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: 0040379

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------|---------------|-----------------|----------------|--------------|
| Blank | 0040379-BLK1 | ECD5-04142007.D | 04/10/20 08:28 | |
| LCS | 0040379-BS1 | ECD5-04142008.D | 04/10/20 08:28 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE1 | ECD5-04152025.D | 04/10/20 08:28 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE2 | ECD5-04172023.D | 04/10/20 08:28 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03RE1 | ECD5-04152013.D | 04/10/20 08:28 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03RE2 | ECD5-04172011.D | 04/10/20 08:28 | |

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.

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 0040473

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank | 0040473-BLK1 | ECD5-04202007.D | 04/10/20 08:43 | |
| LCS | 0040473-BS1 | ECD5-04202008.D | 04/10/20 08:43 | |
| PDI-077SC-A-03-04-191014 (Dup) | 0040473-DUP1 | ECD5-04202013.D | 04/10/20 08:43 | |
| PDI-077SC-A-03-04-191014 (MS) | 0040473-MS1 | ECD5-04202015.D | 04/10/20 08:43 | |
| PDI-077SC-A-03-04-191014 (MSD) | 0040473-MSD1 | ECD5-04202017.D | 04/10/20 08:43 | |
| PDI-077SC-A-03-04-191014 | A0D0212-01RE1 | ECD5-04202011.D | 04/10/20 08:43 | |
| PDI-077SC-A-06-07-191014 | A0D0212-04RE1 | ECD5-04202022.D | 04/10/20 08:43 | |
| PDI-077SC-A-07-08-191014 | A0D0212-05RE1 | ECD5-04202024.D | 04/10/20 08:43 | |
| PDI-077SC-A-08-09-191014 | A0D0212-06RE1 | ECD5-04202026.D | 04/10/20 08:43 | |
| PDI-077SC-A-09-10-191014 | A0D0212-07RE1 | ECD5-04202028.D | 04/10/20 08:43 | |
| PDI-077SC-A-10-11-191014 | A0D0212-08RE1 | ECD5-04202009.D | 04/10/20 08:43 | |
| PDI-077SC-A-11-12-191014 | A0D0212-09RE1 | ECD5-04202010.D | 04/10/20 08:43 | |

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

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

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD_DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix: Sediment Laboratory ID: 0040379-BLK1 File ID: ECD5-04142007.D
Prepared: 04/10/20 08:28 Preparation: EPA 3546/3640A (GPC) Initial/Final: 11 g / 10 mL
Analyzed: 04/14/20 13:13 Instrument: DUALECD5
Batch: 0040379 Sequence: 0D14043 Calibration: A0C2504

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

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg wet) | CONC (ug/kg wet) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 45.5 | 30.9 | 68 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 38.5 | 85 | 55 - 130 | |

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>0040473-BLK1</u> | File ID: <u>ECD5-04202007.D</u> |
| Prepared: <u>04/10/20 08:43</u> | Preparation: <u>EPA 3546/3640A (GPC)</u> | Initial/Final: <u>11 g / 10 mL</u> |
| Analyzed: <u>04/20/20 13:40</u> | Instrument: <u>DUALECD5</u> | |
| Batch: <u>0040473</u> | Sequence: <u>0D20044</u> | Calibration: <u>A0C2504</u> |

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

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg wet) | CONC (ug/kg wet) | % REC | QC LIMITS | Q |
|--------------------------------|-------------------|------------------|-------|-----------|---|
| 2,4,5,6-TCMX (Surr) [2C] | 45.5 | 23.6 | 52 | 42 - 129 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 39.2 | 86 | 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: 0040379

Laboratory ID: 0040379-BS1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10 g / 10 mL

| COMPOUND | SPIKE ADDED (ug/kg wet) | LCS CONCENTRATION (ug/kg wet) | LCS % REC. (* = Out) | QC LIMITS REC. |
|---------------|-------------------------------|-------------------------------------|----------------------------|----------------------|
| 2,4'-DDD [2C] | 50.0 | 48.4 | 97 | 50 - 150 |
| 2,4'-DDE [2C] | 50.0 | 43.5 | 87 | 50 - 150 |
| 2,4'-DDT [2C] | 50.0 | 57.2 | 114 | 50 - 150 |
| 4,4'-DDD [2C] | 50.0 | 48.5 | 97 | 50 - 150 |
| 4,4'-DDE [2C] | 50.0 | 48.0 | 96 | 50 - 150 |
| 4,4'-DDT [2C] | 50.0 | 58.9 | 118 | 50 - 150 |

* = Values outside of QC limits

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: 0040473

Laboratory ID: 0040473-BS1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10 g / 10 mL

| COMPOUND | SPIKE ADDED (ug/kg wet) | LCS CONCENTRATION (ug/kg wet) | LCS % REC. (* = Out) | QC LIMITS REC. |
|---------------|-------------------------------|-------------------------------------|----------------------------|----------------------|
| 2,4'-DDD [2C] | 50.0 | 47.8 | 96 | 50 - 150 |
| 2,4'-DDE [2C] | 50.0 | 38.2 | 76 | 50 - 150 |
| 2,4'-DDT [2C] | 50.0 | 55.1 | 110 | 50 - 150 |
| 4,4'-DDD [2C] | 50.0 | 50.7 | 101 | 50 - 150 |
| 4,4'-DDE [2C] | 50.0 | 47.1 | 94 | 50 - 150 |
| 4,4'-DDT [2C] | 50.0 | 58.3 | 117 | 50 - 150 |

* = Values outside of QC limits

DUPLICATES

PDI-077SC-A-03-04-191014

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: 0040473-DUP1

Batch: 0040473

Lab Source ID: A0D0212-01RE1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.5 g / 10 mL

Source Sample Name: PDI-077SC-A-03-04-191014

% Solids: 56.71

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD |
|---------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| 2,4'-DDD [2C] | 30 | 6.73 | | ND | | | | EPA 8081B |
| 2,4'-DDE [2C] | 30 | 4.96 | | ND | | | | EPA 8081B |
| 2,4'-DDT | 30 | 4.17 | | ND | | | | EPA 8081B |
| 4,4'-DDD | 30 | 19.1 | | 19.3 | | 1 | | EPA 8081B |
| 4,4'-DDE | 30 | 13.9 | | 10.9 | | 24 | | EPA 8081B |
| 4,4'-DDT | 30 | 11.2 | | 5.91 | | 62 | * | EPA 8081B |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**PDI-077SC-A-03-04-191014****EPA 8081B**Laboratory: Apex LaboratoriesSDG: Gasco PreRD_DG 2019Client: Anchor QEA, LLCProject: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing CMatrix: SedimentBatch: 0040473Laboratory ID: 0040473-MS1Preparation: EPA 3546/3640A (GPC)Initial/Final: 10.4 g / 10 mLSource Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | SAMPLE CONCENTRATION (ug/kg dry) | MS CONCENTRATION (ug/kg dry) | MS % REC. (* = Out) | QC LIMITS REC. |
|---------------|-------------------------------|--|------------------------------------|---------------------------|----------------------|
| 2,4'-DDD [2C] | 84.8 | ND | 84.1 | 99 | 50 - 150 |
| 2,4'-DDE [2C] | 84.8 | ND | 78.9 | 93 | 50 - 150 |
| 2,4'-DDT | 84.8 | ND | 87.7 | 103 | 50 - 150 |
| 4,4'-DDD | 84.8 | 19.1 | 95.2 | 90 | 50 - 150 |
| 4,4'-DDE | 84.8 | 13.9 | 83.5 | 82 | 50 - 150 |
| 4,4'-DDT | 84.8 | 11.2 | 93.0 | 96 | 50 - 150 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

PDI-077SC-A-03-04-191014

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: 0040473

Laboratory ID: 0040473-MSD1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.28 g / 10 mL

Source Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | MSD CONCENTRATION (ug/kg dry) | MSD % RECOVERY | % RPD | QC LIMITS | |
|---------------|-------------------------------|-------------------------------------|----------------------|----------|-----------|----------|
| | | | | | RPD | REC. |
| 2,4'-DDD [2C] | 85.8 | 95.5 | 111 | 13 | 30 | 50 - 150 |
| 2,4'-DDE [2C] | 85.8 | 87.6 | 102 | 10 | 30 | 50 - 150 |
| 2,4'-DDT | 85.8 | 95.8 | 112 | 9 | 30 | 50 - 150 |
| 4,4'-DDD | 85.8 | 108 | 103 | 12 | 30 | 50 - 150 |
| 4,4'-DDE | 85.8 | 93.6 | 93 | 11 | 30 | 50 - 150 |
| 4,4'-DDT | 85.8 | 101 | 104 | 8 | 30 | 50 - 150 |

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>0C24036</u> | Instrument: <u>DUALECD5</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0C2504</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Initial Cal Blank | 0C24036-ICB1 | ECD5-03242006.D | 03/24/20 13:58 |
| Cal Standard | 0C24036-CAL1 | ECD5-03242007.D | 03/24/20 14:15 |
| Cal Standard | 0C24036-CAL2 | ECD5-03242008.D | 03/24/20 14:33 |
| Cal Standard | 0C24036-CAL3 | ECD5-03242009.D | 03/24/20 14:50 |
| Cal Standard | 0C24036-CAL4 | ECD5-03242010.D | 03/24/20 15:07 |
| Cal Standard | 0C24036-CAL5 | ECD5-03242011.D | 03/24/20 15:24 |
| Cal Standard | 0C24036-CAL6 | ECD5-03242012.D | 03/24/20 15:41 |
| Cal Standard | 0C24036-CAL7 | ECD5-03242013.D | 03/24/20 15:59 |
| Cal Standard | 0C24036-CAL8 | ECD5-03242014.D | 03/24/20 16:16 |
| Cal Standard | 0C24036-CAL9 | ECD5-03242015.D | 03/24/20 16:33 |
| Initial Cal Check | 0C24036-ICV1 | ECD5-03242017.D | 03/24/20 17:07 |
| Cal Standard | 0C24036-CALA | ECD5-03242018.D | 03/24/20 17:24 |
| Cal Standard | 0C24036-CALB | ECD5-03242019.D | 03/24/20 17:42 |
| Cal Standard | 0C24036-CALC | ECD5-03242022.D | 03/24/20 18:31 |
| Cal Standard | 0C24036-CALD | ECD5-03242023.D | 03/24/20 18:48 |
| Cal Standard | 0C24036-CALE | ECD5-03242024.D | 03/24/20 19:05 |
| Cal Standard | 0C24036-CALF | ECD5-03242025.D | 03/24/20 19:22 |
| Cal Standard | 0C24036-CALG | ECD5-03242026.D | 03/24/20 19:40 |
| Cal Standard | 0C24036-CALH | ECD5-03242027.D | 03/24/20 19:57 |
| Cal Standard | 0C24036-CALI | ECD5-03242028.D | 03/24/20 20:14 |
| Initial Cal Check | 0C24036-ICV2 | ECD5-03242030.D | 03/24/20 20:48 |

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D14043

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C2504

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Calibration Check | 0D14043-CCV1 | ECD5-04142004.D | 04/14/20 12:22 |
| Calibration Check | 0D14043-CCV2 | ECD5-04142005.D | 04/14/20 12:39 |
| Calibration Blank | 0D14043-CCB1 | ECD5-04142006.D | 04/14/20 12:56 |
| Blank | 0040379-BLK1 | ECD5-04142007.D | 04/14/20 13:13 |
| LCS | 0040379-BS1 | ECD5-04142008.D | 04/14/20 13:30 |
| Calibration Check | 0D14043-CCV3 | ECD5-04142013.D | 04/14/20 14:56 |
| Calibration Check | 0D14043-CCV4 | ECD5-04142014.D | 04/14/20 15:14 |
| Calibration Blank | 0D14043-CCB2 | ECD5-04142015.D | 04/14/20 15:31 |
| Calibration Check | 0D14043-CCV5 | ECD5-04142023.D | 04/14/20 17:48 |
| Calibration Check | 0D14043-CCV6 | ECD5-04142024.D | 04/14/20 18:06 |
| Calibration Blank | 0D14043-CCB3 | ECD5-04142025.D | 04/14/20 18:23 |

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D15038

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C2504

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0D15038-CCV1 | ECD5-04152006.D | 04/15/20 13:26 |
| Calibration Check | 0D15038-CCV2 | ECD5-04152007.D | 04/15/20 13:43 |
| Calibration Blank | 0D15038-CCB1 | ECD5-04152008.D | 04/15/20 14:00 |
| PDI-077SC-A-05-06-191014 | A0D0212-03RE1 | ECD5-04152013.D | 04/15/20 15:26 |
| Calibration Check | 0D15038-CCV3 | ECD5-04152014.D | 04/15/20 15:44 |
| Calibration Check | 0D15038-CCV4 | ECD5-04152015.D | 04/15/20 16:01 |
| Calibration Blank | 0D15038-CCB2 | ECD5-04152016.D | 04/15/20 16:18 |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE1 | ECD5-04152025.D | 04/15/20 19:08 |
| Calibration Check | 0D15038-CCV5 | ECD5-04152027.D | 04/15/20 19:46 |
| Calibration Check | 0D15038-CCV6 | ECD5-04152028.D | 04/15/20 20:03 |
| Calibration Blank | 0D15038-CCB3 | ECD5-04152029.D | 04/15/20 20:20 |

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

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

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: 0D17030

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C2504

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0D17030-CCV1 | ECD5-04172004.D | 04/17/20 12:19 |
| Calibration Check | 0D17030-CCV2 | ECD5-04172005.D | 04/17/20 12:36 |
| Calibration Blank | 0D17030-CCB1 | ECD5-04172006.D | 04/17/20 12:53 |
| PDI-077SC-A-05-06-191014 | A0D0212-03RE2 | ECD5-04172011.D | 04/17/20 14:21 |
| Calibration Check | 0D17030-CCV3 | ECD5-04172012.D | 04/17/20 14:38 |
| Calibration Check | 0D17030-CCV4 | ECD5-04172013.D | 04/17/20 14:55 |
| Calibration Blank | 0D17030-CCB2 | ECD5-04172014.D | 04/17/20 15:12 |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE2 | ECD5-04172023.D | 04/17/20 18:06 |
| Calibration Check | 0D17030-CCV5 | ECD5-04172025.D | 04/17/20 18:44 |
| Calibration Check | 0D17030-CCV6 | ECD5-04172026.D | 04/17/20 19:01 |
| Calibration Blank | 0D17030-CCB3 | ECD5-04172027.D | 04/17/20 19:18 |

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.

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: 0D20044

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C2504

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0D20044-CCV1 | ECD5-04202004.D | 04/20/20 12:49 |
| Calibration Check | 0D20044-CCV2 | ECD5-04202005.D | 04/20/20 13:06 |
| Calibration Blank | 0D20044-CCB1 | ECD5-04202006.D | 04/20/20 13:23 |
| Blank | 0040473-BLK1 | ECD5-04202007.D | 04/20/20 13:40 |
| LCS | 0040473-BS1 | ECD5-04202008.D | 04/20/20 13:57 |
| PDI-077SC-A-10-11-191014 | A0D0212-08RE1 | ECD5-04202009.D | 04/20/20 14:15 |
| PDI-077SC-A-11-12-191014 | A0D0212-09RE1 | ECD5-04202010.D | 04/20/20 14:32 |
| PDI-077SC-A-03-04-191014 | A0D0212-01RE1 | ECD5-04202011.D | 04/20/20 14:49 |
| PDI-077SC-A-03-04-191014 (Dup) | 0040473-DUP1 | ECD5-04202013.D | 04/20/20 15:27 |
| PDI-077SC-A-03-04-191014 (MS) | 0040473-MS1 | ECD5-04202015.D | 04/20/20 16:06 |
| PDI-077SC-A-03-04-191014 (MSD) | 0040473-MSD1 | ECD5-04202017.D | 04/20/20 16:44 |
| Calibration Check | 0D20044-CCV3 | ECD5-04202019.D | 04/20/20 17:22 |
| Calibration Check | 0D20044-CCV4 | ECD5-04202020.D | 04/20/20 17:39 |
| Calibration Blank | 0D20044-CCB2 | ECD5-04202021.D | 04/20/20 17:57 |
| PDI-077SC-A-06-07-191014 | A0D0212-04RE1 | ECD5-04202022.D | 04/20/20 18:14 |
| PDI-077SC-A-07-08-191014 | A0D0212-05RE1 | ECD5-04202024.D | 04/20/20 18:52 |
| PDI-077SC-A-08-09-191014 | A0D0212-06RE1 | ECD5-04202026.D | 04/20/20 19:30 |
| PDI-077SC-A-09-10-191014 | A0D0212-07RE1 | ECD5-04202028.D | 04/20/20 20:08 |
| Calibration Check | 0D20044-CCV5 | ECD5-04202030.D | 04/20/20 20:46 |
| Calibration Check | 0D20044-CCV6 | ECD5-04202031.D | 04/20/20 21:03 |
| Calibration Blank | 0D20044-CCB3 | ECD5-04202032.D | 04/20/20 21:20 |

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

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

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: A0C2504

Date: 03/25/20 16:36

Instrument: DUALECD5

| Compound | Mean RF | FIT | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|--------------------------------|----------|-----|----------|----------|--------------|----------|----------|-------|---|
| 2,4'-DDD | 119843 | XXX | 16.76852 | 7.700778 | 2.189637E-02 | | | | |
| 2,4'-DDD [2C] | 186374.4 | XXX | 15.08586 | 8.498111 | 1.125328E-02 | | | | |
| 2,4'-DDE | 133132.8 | XXX | 12.76476 | 7.327667 | 2.015601E-02 | | | | |
| 2,4'-DDE [2C] | 205762 | XXX | 11.9861 | 8.124778 | 8.192782E-03 | | | | |
| 2,4'-DDT | 112325.9 | XXX | 11.63844 | 7.882667 | 4.762088E-03 | | | | |
| 2,4'-DDT [2C] | 162965.8 | XXX | 12.52737 | 8.722889 | 1.726622E-02 | | | | |
| 4,4'-DDD | 163430.5 | Ave | 5.833706 | 8.000445 | 2.030346E-02 | | | 20 | |
| 4,4'-DDD [2C] | 240614.9 | Ave | 7.807911 | 8.763556 | 1.175072E-02 | | | 20 | |
| 4,4'-DDE | 197110.9 | Ave | 4.178565 | 7.578778 | 2.491117E-02 | | | 20 | |
| 4,4'-DDE [2C] | 286340.9 | Ave | 8.284494 | 8.347222 | 1.246625E-02 | | | 20 | |
| 4,4'-DDT | 132118.7 | XXX | 11.06481 | 8.197555 | 2.235224E-02 | | | | |
| 4,4'-DDT [2C] | 178991.9 | XXX | 21.1019 | 8.99 | 1.641069E-02 | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 285848.9 | Ave | 7.954123 | 5.986444 | 8.366451E-03 | | | 20 | |
| Decachlorobiphenyl (Surr) | 159963.7 | XXX | 11.78693 | 9.588889 | 7.587142E-03 | | | | |
| Decachlorobiphenyl (Surr) [2C] | 169828.9 | Ave | 6.733244 | 10.55289 | 0.0107996 | | | 20 | |

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0C2504

Instrument: DUALECD5

Calibration Date: 03/25/20 16:36

| 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 | 178678 | 1 | 171895 | 2 | 162491.5 | 5 | 155935.2 | 10 | 152826.8 | 25 | 153270.9 |
| 4,4'-DDD [2C] | 0.5 | 242706 | 1 | 235370 | 2 | 229740.5 | 5 | 230089.8 | 10 | 224708.9 | 25 | 221839.9 |
| 4,4'-DDE | 0.5 | 208388 | 1 | 200955 | 2 | 188703.5 | 5 | 193266 | 10 | 189922.6 | 25 | 187161.6 |
| 4,4'-DDE [2C] | 0.5 | 275068 | 1 | 269052 | 2 | 267691.5 | 5 | 276686 | 10 | 268206.6 | 25 | 276707.5 |
| 4,4'-DDT | 0.5 | 128320 | 1 | 121352 | 2 | 119714 | 5 | 125793.2 | 10 | 124016.5 | 25 | 121616.6 |
| 4,4'-DDT [2C] | 0.5 | 150566 | 1 | 143366 | 2 | 146638 | 5 | 165310.4 | 10 | 162162 | 25 | 169931 |
| 2,4,5,6-TCMX (Surr) | 0.5 | 221072 | 1 | 207645 | 2 | 194623 | 5 | 192948.6 | 10 | 187144 | 25 | 180504.9 |
| 2,4,5,6-TCMX (Surr) [2C] | 0.5 | 328912 | 1 | 286301 | 2 | 274864.5 | 5 | 267191.8 | 10 | 267285.2 | 25 | 260838.2 |
| Decachlorobiphenyl (Surr) | 0.5 | 196232 | 1 | 181183 | 2 | 169179.5 | 5 | 159806.8 | 10 | 147675.1 | 25 | 139880.8 |
| Decachlorobiphenyl (Surr) [2C] | 0.5 | 180580 | 1 | 178563 | 2 | 170701.5 | 5 | 167293.6 | 10 | 153956.7 | 25 | 154681.2 |

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: A0C2504

Instrument: DUALECD5

Matrix:

Calibration Date: 03/25/20 16:36

| 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 | 159250 | 1 | 148717 | 2 | 119932.5 |
| 2,4'-DDD [2C] | | | | | | | 0.5 | 242152 | 1 | 222099 | 2 | 183045 |
| 2,4'-DDE | | | | | | | 0.5 | 166420 | 1 | 156744 | 2 | 133603.5 |
| 2,4'-DDE [2C] | | | | | | | 0.5 | 249946 | 1 | 238501 | 2 | 198749 |
| 2,4'-DDT | | | | | | | 0.5 | 135582 | 1 | 129911 | 2 | 104336.5 |
| 2,4'-DDT [2C] | | | | | | | 0.5 | 187458 | 1 | 174701 | 2 | 146594 |
| 4,4'-DDD | 50 | 157731.2 | 100 | 163764.8 | 200 | 174281.3 | | | | | | |
| 4,4'-DDD [2C] | 50 | 245495.2 | 100 | 252688.5 | 200 | 282895 | | | | | | |
| 4,4'-DDE | 50 | 197512 | 100 | 198200 | 200 | 209889.1 | | | | | | |
| 4,4'-DDE [2C] | 50 | 296194.6 | 100 | 311080.9 | 200 | 336381 | | | | | | |
| 4,4'-DDT | 50 | 143032.8 | 100 | 141421.1 | 200 | 163801.7 | | | | | | |
| 4,4'-DDT [2C] | 50 | 203535.6 | 100 | 213200.1 | 200 | 256218 | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50 | 184832.3 | 100 | 183544.7 | 200 | 186439 | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 50 | 280355.8 | 100 | 293630.2 | 200 | 313261.3 | | | | | | |
| Decachlorobiphenyl (Surr) | 50 | 149520.8 | 100 | 143176.2 | 200 | 153019.5 | | | | | | |
| Decachlorobiphenyl (Surr) [2C] | 50 | 164631.8 | 100 | 169821.9 | 200 | 188230.6 | | | | | | |

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: AOC2504

Instrument: DUALECD5

Matrix:

Calibration Date: 03/25/20 16:36

| Compound | Level 13 | | Level 14 | | Level 15 | | Level 16 | | Level 17 | | Level 18 | |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | ng/mL | RF | ng/mL | RF | ng/mL | RF | ng/mL | RF | ng/mL | RF | ng/mL | RF |
| 2,4'-DDD | 5 | 111355.6 | 10 | 107743 | 25 | 107807.8 | 50 | 102410.7 | 100 | 108538 | 200 | 112832.1 |
| 2,4'-DDD [2C] | 5 | 169589.8 | 10 | 166409.6 | 25 | 165195.9 | 50 | 162749.7 | 100 | 172652.7 | 200 | 193475.6 |
| 2,4'-DDE | 5 | 125419.8 | 10 | 123775.8 | 25 | 120778.8 | 50 | 118237 | 100 | 122252.1 | 200 | 130964.1 |
| 2,4'-DDE [2C] | 5 | 187202.4 | 10 | 185925.8 | 25 | 184594.8 | 50 | 187458.1 | 100 | 198783.3 | 200 | 220697.8 |
| 2,4'-DDT | 5 | 100083.2 | 10 | 103887.2 | 25 | 104961.4 | 50 | 102185.6 | 100 | 109473.7 | 200 | 120512.5 |
| 2,4'-DDT [2C] | 5 | 141991.4 | 10 | 145549 | 25 | 149076.8 | 50 | 155580.7 | 100 | 166355.1 | 200 | 199386.5 |

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: DUALECD5 Calibration: AOC2504
Lab File ID: ECD5-03242017.D
Sequence: 0C24036 Inject Date: 03/24/20
Lab Sample ID: 0C24036-ICV1 Inject Time: 17:07

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|--------------------------------|---------------------|------------------|---------|----------|
| 4,4'-DDD | 50.0 | 50.2 | 0.5 | 70 - 130 |
| 4,4'-DDD [2C] | 50.0 | 51.1 | 2.1 | 70 - 130 |
| 4,4'-DDE | 50.0 | 49.4 | -1.2 | 70 - 130 |
| 4,4'-DDE [2C] | 50.0 | 52.7 | 5.3 | 70 - 130 |
| 4,4'-DDT | 50.0 | 55.4 | 10.9 | 70 - 130 |
| 4,4'-DDT [2C] | 50.0 | 56.8 | 13.5 | 70 - 130 |
| 2,4,5,6-TCMX (Surr) | 50.0 | 48.5 | -3.0 | 70 - 130 |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 49.6 | -0.9 | 70 - 130 |
| Decachlorobiphenyl (Surr) | 50.0 | 50.7 | 1.4 | 70 - 130 |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 48.5 | -2.9 | 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: DUALECD5 Calibration: AOC2504
Lab File ID: ECD5-03242030.D
Sequence: 0C24036 Inject Date: 03/24/20
Lab Sample ID: 0C24036-ICV2 Inject Time: 20:48

| ANALYTE | EXPECTED (ng/mL) | FOUND (ng/mL) | % DRIFT | QC LIMIT |
|---------------|---------------------|------------------|---------|----------|
| 2,4'-DDD | 50.0 | 48.5 | -3.0 | 70 - 130 |
| 2,4'-DDD [2C] | 50.0 | 48.4 | -3.1 | 70 - 130 |
| 2,4'-DDE | 50.0 | 49.7 | -0.7 | 70 - 130 |
| 2,4'-DDE [2C] | 50.0 | 49.6 | -0.8 | 70 - 130 |
| 2,4'-DDT | 50.0 | 54.3 | 8.6 | 70 - 130 |
| 2,4'-DDT [2C] | 50.0 | 56.5 | 12.9 | 70 - 130 |

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04142004.D

Calibration Date: 03/25/20 16:36

Sequence: 0D14043

Injection Date: 04/14/20

Lab Sample ID: 0D14043-CCV1

Injection Time: 12:22

| 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 | 50.9 | | 163430.5 | 166479.7 | 1.9 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 54.4 | | 240614.9 | 261538.6 | 8.7 | 20 |
| 4,4'-DDE | Ave | 50.0 | 48.6 | | 197110.9 | 191727.7 | -2.7 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 54.3 | | 286340.9 | 311026.2 | 8.6 | 20 |
| 4,4'-DDT | XXX | 50.0 | 47.2 | -5.5 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 53.3 | 6.6 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04142005.D

Calibration Date: 03/25/20 16:36

Sequence: 0D14043

Injection Date: 04/14/20

Lab Sample ID: 0D14043-CCV2

Injection Time: 12:39

| 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 | -0.1 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 50.7 | 1.4 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 46.4 | -7.3 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 51.5 | 3.1 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 44.8 | -10.3 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 47.8 | -4.4 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04142013.D

Calibration Date: 03/25/20 16:36

Sequence: 0D14043

Injection Date: 04/14/20

Lab Sample ID: 0D14043-CCV3

Injection Time: 14:56

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|--------|---------------------------|----------|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 4,4'-DDD | Ave | 100 | 98.8 | | 163430.5 | 161542 | -1.2 | 20 |
| 4,4'-DDD [2C] | Ave | 100 | 117 | | 240614.9 | 281869.9 | 17.1 | 20 |
| 4,4'-DDE | Ave | 100 | 95.9 | | 197110.9 | 189036.5 | -4.1 | 20 |
| 4,4'-DDE [2C] | Ave | 100 | 116 | | 286340.9 | 333205.4 | 16.4 | 20 |
| 4,4'-DDT | XXX | 100 | 95.2 | -4.8 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 100 | 109 | 8.7 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04142014.D

Calibration Date: 03/25/20 16:36

Sequence: 0D14043

Injection Date: 04/14/20

Lab Sample ID: 0D14043-CCV4

Injection Time: 15:14

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|--------|---------------------------|-----|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 2,4'-DDD | XXX | 100 | 93.4 | -6.6 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 100 | 102 | 1.8 | | | | 20 |
| 2,4'-DDE | XXX | 100 | 91.6 | -8.4 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 100 | 101 | 0.7 | | | | 20 |
| 2,4'-DDT | XXX | 100 | 93.5 | -6.5 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 100 | 103 | 3.2 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

| | |
|--------------------------------------|---|
| Laboratory: <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>DUALECD5</u> | Calibration: <u>A0C2504</u> |
| Lab File ID: <u>ECD5-04142023.D</u> | Calibration Date: <u>03/25/20 16:36</u> |
| Sequence: <u>0D14043</u> | Injection Date: <u>04/14/20</u> |
| Lab Sample ID: <u>0D14043-CCV5</u> | Injection Time: <u>17:48</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 | 45.9 | | 163430.5 | 149971.9 | -8.2 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 56.5 | | 240614.9 | 271692.4 | 12.9 | 20 |
| 4,4'-DDE | Ave | 50.0 | 43.6 | | 197110.9 | 172060.7 | -12.7 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 55.2 | | 286340.9 | 316269.2 | 10.5 | 20 |
| 4,4'-DDT | XXX | 50.0 | 43.4 | -13.2 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 53.3 | 6.5 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04142024.D

Calibration Date: 03/25/20 16:36

Sequence: 0D14043

Injection Date: 04/14/20

Lab Sample ID: 0D14043-CCV6

Injection Time: 18:06

| 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 | 46.6 | -6.7 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 52.6 | 5.2 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 44.4 | -11.2 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 50.6 | 1.2 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 43.5 | -13.0 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 50.8 | 1.5 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04152006.D

Calibration Date: 03/25/20 16:36

Sequence: 0D15038

Injection Date: 04/15/20

Lab Sample ID: 0D15038-CCV1

Injection Time: 13:26

| 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 | 50.0 | | 163430.5 | 163406.2 | -0.01 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 51.2 | | 240614.9 | 246617.8 | 2.5 | 20 |
| 4,4'-DDE | Ave | 50.0 | 50.8 | | 197110.9 | 200238.6 | 1.6 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 50.8 | | 286340.9 | 290706.4 | 1.5 | 20 |
| 4,4'-DDT | XXX | 50.0 | 40.4 | -19.2 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 38.6 | -22.8 * | | | | 20 |

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

* = 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>DUALECD5</u> | Calibration: <u>A0C2504</u> |
| Lab File ID: <u>ECD5-04152007.D</u> | Calibration Date: <u>03/25/20 16:36</u> |
| Sequence: <u>0D15038</u> | Injection Date: <u>04/15/20</u> |
| Lab Sample ID: <u>0D15038-CCV2</u> | Injection Time: <u>13:43</u> |

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|---------|---------------------------|-----|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 2,4'-DDD [2C] | XXX | 50.0 | 48.2 | -3.6 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 46.8 | -6.4 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 33.8 | -32.3 * | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04152014.D

Calibration Date: 03/25/20 16:36

Sequence: 0D15038

Injection Date: 04/15/20

Lab Sample ID: 0D15038-CCV3

Injection Time: 15:44

| 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 | 103 | | 163430.5 | 168068.5 | 2.8 | 20 |
| 4,4'-DDD [2C] | Ave | 100 | 112 | | 240614.9 | 269837.6 | 12.1 | 20 |
| 4,4'-DDE | Ave | 100 | 105 | | 197110.9 | 207255.3 | 5.1 | 20 |
| 4,4'-DDE [2C] | Ave | 100 | 110 | | 286340.9 | 316204.7 | 10.4 | 20 |
| 4,4'-DDT | XXX | 100 | 80.6 | -19.4 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 100 | 80.1 | -19.9 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04152015.D

Calibration Date: 03/25/20 16:36

Sequence: 0D15038

Injection Date: 04/15/20

Lab Sample ID: 0D15038-CCV4

Injection Time: 16:01

| 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 | 100 | 0.2 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 100 | 99.1 | -0.9 | | | | 20 |
| 2,4'-DDE | XXX | 100 | 98.8 | -1.2 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 100 | 98.5 | -1.5 | | | | 20 |
| 2,4'-DDT | XXX | 100 | 75.9 | -24.1 * | | | | 20 |
| 2,4'-DDT [2C] | XXX | 100 | 75.7 | -24.3 * | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04152027.D

Calibration Date: 03/25/20 16:36

Sequence: 0D15038

Injection Date: 04/15/20

Lab Sample ID: 0D15038-CCV5

Injection Time: 19:46

| 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 | 49.1 | | 163430.5 | 160353.5 | -1.9 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 53.7 | | 240614.9 | 258493.2 | 7.4 | 20 |
| 4,4'-DDE | Ave | 50.0 | 49.5 | | 197110.9 | 194968.6 | -1.1 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 51.9 | | 286340.9 | 297064.8 | 3.7 | 20 |
| 4,4'-DDT | XXX | 50.0 | 41.6 | -16.9 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 41.9 | -16.2 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04152028.D

Calibration Date: 03/25/20 16:36

Sequence: 0D15038

Injection Date: 04/15/20

Lab Sample ID: 0D15038-CCV6

Injection Time: 20:03

| 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 | -0.02 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 51.5 | 3.1 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 48.5 | -3.0 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 49.6 | -0.7 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 39.6 | -20.8 * | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 40.9 | -18.3 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04172004.D

Calibration Date: 03/25/20 16:36

Sequence: 0D17030

Injection Date: 04/17/20

Lab Sample ID: 0D17030-CCV1

Injection Time: 12:19

| 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 | 49.4 | | 163430.5 | 161615.8 | -1.1 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 52.4 | | 240614.9 | 252363.6 | 4.9 | 20 |
| 4,4'-DDE | Ave | 50.0 | 51.9 | | 197110.9 | 204746.8 | 3.9 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 54.0 | | 286340.9 | 309155 | 8.0 | 20 |
| 4,4'-DDT | XXX | 50.0 | 44.7 | -10.6 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 46.0 | -8.1 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04172005.D

Calibration Date: 03/25/20 16:36

Sequence: 0D17030

Injection Date: 04/17/20

Lab Sample ID: 0D17030-CCV2

Injection Time: 12:36

| 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 | 49.2 | -1.6 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 49.7 | -0.6 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 50.0 | -0.04 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 51.0 | 2.0 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 45.3 | -9.4 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 45.7 | -8.7 | | | | 20 |

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

* = 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>DUALECD5</u> | Calibration: <u>A0C2504</u> |
| Lab File ID: <u>ECD5-04172012.D</u> | Calibration Date: <u>03/25/20 16:36</u> |
| Sequence: <u>0D17030</u> | Injection Date: <u>04/17/20</u> |
| Lab Sample ID: <u>0D17030-CCV3</u> | Injection Time: <u>14:38</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 | 48.2 | | 163430.5 | 157622.8 | -3.6 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 51.7 | | 240614.9 | 248709 | 3.4 | 20 |
| 4,4'-DDE | Ave | 50.0 | 48.6 | | 197110.9 | 191744.3 | -2.7 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 54.6 | | 286340.9 | 312838 | 9.3 | 20 |
| 4,4'-DDT | XXX | 50.0 | 48.8 | -2.4 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 51.0 | 1.9 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04172013.D

Calibration Date: 03/25/20 16:36

Sequence: 0D17030

Injection Date: 04/17/20

Lab Sample ID: 0D17030-CCV4

Injection Time: 14:55

| 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 | 48.7 | -2.5 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 50.8 | 1.5 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 49.4 | -1.3 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 51.3 | 2.5 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 46.9 | -6.2 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 47.5 | -5.0 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04172025.D

Calibration Date: 03/25/20 16:36

Sequence: 0D17030

Injection Date: 04/17/20

Lab Sample ID: 0D17030-CCV5

Injection Time: 18:44

| 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 | 97.4 | | 163430.5 | 159219.3 | -2.6 | 20 |
| 4,4'-DDD [2C] | Ave | 100 | 115 | | 240614.9 | 277854.7 | 15.5 | 20 |
| 4,4'-DDE | Ave | 100 | 102 | | 197110.9 | 201520.9 | 2.2 | 20 |
| 4,4'-DDE [2C] | Ave | 100 | 116 | | 286340.9 | 333533.7 | 16.5 | 20 |
| 4,4'-DDT | XXX | 100 | 96.8 | -3.2 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 100 | 101 | 1.4 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04172026.D

Calibration Date: 03/25/20 16:36

Sequence: 0D17030

Injection Date: 04/17/20

Lab Sample ID: 0D17030-CCV6

Injection Time: 19:01

| 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 | 101 | 1.5 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 100 | 106 | 6.3 | | | | 20 |
| 2,4'-DDE | XXX | 100 | 98.6 | -1.4 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 100 | 106 | 5.6 | | | | 20 |
| 2,4'-DDT | XXX | 100 | 97.8 | -2.2 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 100 | 103 | 2.8 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202004.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV1

Injection Time: 12:49

| 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 | 49.1 | | 163430.5 | 160553.1 | -1.8 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 47.7 | | 240614.9 | 229667.6 | -4.5 | 20 |
| 4,4'-DDE | Ave | 50.0 | 52.1 | | 197110.9 | 205274.4 | 4.1 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 50.0 | | 286340.9 | 286541.4 | 0.07 | 20 |
| 4,4'-DDT | XXX | 50.0 | 54.7 | 9.4 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 50.4 | 0.8 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202005.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV2

Injection Time: 13:06

| 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 | 50.6 | 1.3 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 48.0 | -3.9 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 51.2 | 2.4 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 47.7 | -4.7 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 51.4 | 2.8 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 48.5 | -3.0 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202019.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV3

Injection Time: 17:22

| 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 | 90.3 | | 163430.5 | 147635.3 | -9.7 | 20 |
| 4,4'-DDD [2C] | Ave | 100 | 103 | | 240614.9 | 248849.8 | 3.4 | 20 |
| 4,4'-DDE | Ave | 100 | 90.6 | | 197110.9 | 178670.6 | -9.4 | 20 |
| 4,4'-DDE [2C] | Ave | 100 | 107 | | 286340.9 | 307289.2 | 7.3 | 20 |
| 4,4'-DDT | XXX | 100 | 90.4 | -9.6 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 100 | 95.6 | -4.4 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202020.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV4

Injection Time: 17:39

| COMPOUND | Curve Fit | Calculated Concentration (ng/mL) [L/Q Fits] | | | Response Factors [Ave RF] | | | Limit |
|---------------|-----------|---|------|--------|---------------------------|-----|---------|-------|
| | | STD | CCV | % DIFF | ICAL | CCV | % Drift | |
| 2,4'-DDD | XXX | 100 | 92.0 | -8.0 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 100 | 100 | 0.2 | | | | 20 |
| 2,4'-DDE | XXX | 100 | 92.3 | -7.7 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 100 | 102 | 2.1 | | | | 20 |
| 2,4'-DDT | XXX | 100 | 94.1 | -5.9 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 100 | 97.8 | -2.2 | | | | 20 |

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202030.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV5

Injection Time: 20:46

| 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 | 42.4 | | 163430.5 | 138707.9 | -15.1 | 20 |
| 4,4'-DDD [2C] | Ave | 50.0 | 51.3 | | 240614.9 | 246976 | 2.6 | 20 |
| 4,4'-DDE | Ave | 50.0 | 44.8 | | 197110.9 | 176529.6 | -10.4 | 20 |
| 4,4'-DDE [2C] | Ave | 50.0 | 51.0 | | 286340.9 | 291893.2 | 1.9 | 20 |
| 4,4'-DDT | XXX | 50.0 | 45.5 | -9.0 | | | | 20 |
| 4,4'-DDT [2C] | XXX | 50.0 | 49.5 | -0.9 | | | | 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: DUALECD5

Calibration: A0C2504

Lab File ID: ECD5-04202031.D

Calibration Date: 03/25/20 16:36

Sequence: 0D20044

Injection Date: 04/20/20

Lab Sample ID: 0D20044-CCV6

Injection Time: 21:03

| 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 | 46.7 | -6.6 | | | | 20 |
| 2,4'-DDD [2C] | XXX | 50.0 | 50.7 | 1.4 | | | | 20 |
| 2,4'-DDE | XXX | 50.0 | 47.1 | -5.8 | | | | 20 |
| 2,4'-DDE [2C] | XXX | 50.0 | 50.3 | 0.6 | | | | 20 |
| 2,4'-DDT | XXX | 50.0 | 46.7 | -6.5 | | | | 20 |
| 2,4'-DDT [2C] | XXX | 50.0 | 52.2 | 4.3 | | | | 20 |

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

| | |
|--------------------------------------|--|
| Laboratory: <u>Apex Laboratories</u> | SDG: <u>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>0C24036</u> | Instrument: <u>DUALECD5</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0C2504</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|-----------------|------------------------------|---------------------|--------------------------|---------------|---|
| Initial Cal Check (0C24036-ICV1) | | | | Lab File ID: ECD5-03242017.D | | Analyzed: 03/24/20 17:07 | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 97 | 70 - 130 | 5.39 | 5.390555 | -0.0006 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 99 | 70 - 130 | 5.986 | 5.986444 | -0.0004 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 101 | 70 - 130 | 9.587 | 9.588889 | -0.0019 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 97 | 70 - 130 | 10.551 | 10.55289 | -0.0019 | +/-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: 0D14043

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0C2504

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| Calibration Check (0D14043-CCV1) Lab File ID: ECD5-04142004.D Analyzed: 04/14/20 12:22 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 93 | 80 - 120 | 5.334 | 5.390555 | -0.0566 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 99 | 80 - 120 | 5.93 | 5.986444 | -0.0564 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 93 | 80 - 120 | 9.53 | 9.588889 | -0.0589 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 103 | 80 - 120 | 10.483 | 10.55289 | -0.0699 | +/-1.0 | |
| Calibration Blank (0D14043-CCB1) Lab File ID: ECD5-04142006.D Analyzed: 04/14/20 12:56 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 100 | 42 - 129 | 5.929 | 5.986444 | -0.0574 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 94 | 55 - 130 | 10.482 | 10.55289 | -0.0709 | +/-1.0 | |
| Blank (0040379-BLK1) Lab File ID: ECD5-04142007.D Analyzed: 04/14/20 13:13 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 45.5 | 68 | 42 - 129 | 5.93 | 5.986444 | -0.0564 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 85 | 55 - 130 | 10.482 | 10.55289 | -0.0709 | +/-1.0 | |
| LCS (0040379-BS1) Lab File ID: ECD5-04142008.D Analyzed: 04/14/20 13:30 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 70 | 42 - 129 | 5.928 | 5.986444 | -0.0584 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 85 | 55 - 130 | 10.48 | 10.55289 | -0.0729 | +/-1.0 | |
| Calibration Check (0D14043-CCV3) Lab File ID: ECD5-04142013.D Analyzed: 04/14/20 14:56 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 100 | 90 | 80 - 120 | 5.33 | 5.390555 | -0.0606 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 105 | 80 - 120 | 5.928 | 5.986444 | -0.0584 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 100 | 101 | 80 - 120 | 9.528 | 9.588889 | -0.0609 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 111 | 80 - 120 | 10.48 | 10.55289 | -0.0729 | +/-1.0 | |
| Calibration Blank (0D14043-CCB2) Lab File ID: ECD5-04142015.D Analyzed: 04/14/20 15:31 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 100 | 42 - 129 | 5.928 | 5.986444 | -0.0584 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 93 | 55 - 130 | 10.48 | 10.55289 | -0.0729 | +/-1.0 | |
| Calibration Check (0D14043-CCV5) Lab File ID: ECD5-04142023.D Analyzed: 04/14/20 17:48 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 88 | 80 - 120 | 5.33 | 5.390555 | -0.0606 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 101 | 80 - 120 | 5.927 | 5.986444 | -0.0594 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 97 | 80 - 120 | 9.528 | 9.588889 | -0.0609 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 109 | 80 - 120 | 10.48 | 10.55289 | -0.0729 | +/-1.0 | |
| Calibration Blank (0D14043-CCB3) Lab File ID: ECD5-04142025.D Analyzed: 04/14/20 18:23 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 104 | 42 - 129 | 5.928 | 5.986444 | -0.0584 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 97 | 55 - 130 | 10.48 | 10.55289 | -0.0729 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D15038
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: DUALECD5
 Calibration: A0C2504

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| Calibration Check (0D15038-CCV1) Lab File ID: ECD5-04152006.D Analyzed: 04/15/20 13:26 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 95 | 80 - 120 | 5.32 | 5.390555 | -0.0706 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 94 | 80 - 120 | 5.917 | 5.986444 | -0.0694 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 100 | 80 - 120 | 9.516 | 9.588889 | -0.0729 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 104 | 80 - 120 | 10.469 | 10.55289 | -0.0839 | +/-1.0 | |
| Calibration Blank (0D15038-CCB1) Lab File ID: ECD5-04152008.D Analyzed: 04/15/20 14:00 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 96 | 42 - 129 | 5.916 | 5.986444 | -0.0704 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 90 | 55 - 130 | 10.468 | 10.55289 | -0.0849 | +/-1.0 | |
| PDI-077SC-A-05-06-191014 (A0D0212-03RE1) Lab File ID: ECD5-04152013.D Analyzed: 04/15/20 15:26 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 78.1 | 70 | 42 - 129 | 5.915 | 5.986444 | -0.0714 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 78.1 | 72 | 55 - 130 | 10.466 | 10.55289 | -0.0869 | +/-1.0 | |
| Calibration Check (0D15038-CCV3) Lab File ID: ECD5-04152014.D Analyzed: 04/15/20 15:44 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 100 | 94 | 80 - 120 | 5.317 | 5.390555 | -0.0736 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 103 | 80 - 120 | 5.915 | 5.986444 | -0.0714 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 100 | 104 | 80 - 120 | 9.514 | 9.588889 | -0.0749 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 110 | 80 - 120 | 10.467 | 10.55289 | -0.0859 | +/-1.0 | |
| Calibration Blank (0D15038-CCB2) Lab File ID: ECD5-04152016.D Analyzed: 04/15/20 16:18 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 96 | 42 - 129 | 5.915 | 5.986444 | -0.0714 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 94 | 55 - 130 | 10.467 | 10.55289 | -0.0859 | +/-1.0 | |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) Lab File ID: ECD5-04152025.D Analyzed: 04/15/20 19:08 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 95.5 | 92 | 42 - 129 | 5.912 | 5.986444 | -0.0744 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 95.5 | 95 | 55 - 130 | 10.463 | 10.55289 | -0.0899 | +/-1.0 | |
| Calibration Check (0D15038-CCV5) Lab File ID: ECD5-04152027.D Analyzed: 04/15/20 19:46 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 95 | 80 - 120 | 5.315 | 5.390555 | -0.0756 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 97 | 80 - 120 | 5.912 | 5.986444 | -0.0744 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 103 | 80 - 120 | 9.512 | 9.588889 | -0.0769 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 108 | 80 - 120 | 10.463 | 10.55289 | -0.0899 | +/-1.0 | |
| Calibration Blank (0D15038-CCB3) Lab File ID: ECD5-04152029.D Analyzed: 04/15/20 20:20 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 103 | 42 - 129 | 5.913 | 5.986444 | -0.0734 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 99 | 55 - 130 | 10.463 | 10.55289 | -0.0899 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D17030
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: DUALECD5
 Calibration: A0C2504

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| Calibration Check (0D17030-CCV1) Lab File ID: ECD5-04172004.D Analyzed: 04/17/20 12:19 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 94 | 80 - 120 | 5.298 | 5.390555 | -0.0926 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 99 | 80 - 120 | 5.896 | 5.986444 | -0.0904 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 101 | 80 - 120 | 9.495 | 9.588889 | -0.0939 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 108 | 80 - 120 | 10.444 | 10.55289 | -0.1089 | +/-1.0 | |
| Calibration Blank (0D17030-CCB1) Lab File ID: ECD5-04172006.D Analyzed: 04/17/20 12:53 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 104 | 42 - 129 | 5.894 | 5.986444 | -0.0924 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 98 | 55 - 130 | 10.444 | 10.55289 | -0.1089 | +/-1.0 | |
| PDI-077SC-A-05-06-191014 (A0D0212-03RE2) Lab File ID: ECD5-04172011.D Analyzed: 04/17/20 14:21 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 78.1 | 77 | 42 - 129 | 5.891 | 5.986444 | -0.0954 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 78.1 | 77 | 55 - 130 | 10.441 | 10.55289 | -0.1119 | +/-1.0 | |
| Calibration Check (0D17030-CCV3) Lab File ID: ECD5-04172012.D Analyzed: 04/17/20 14:38 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 92 | 80 - 120 | 5.294 | 5.390555 | -0.0966 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 100 | 80 - 120 | 5.891 | 5.986444 | -0.0954 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 96 | 80 - 120 | 9.493 | 9.588889 | -0.0959 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 107 | 80 - 120 | 10.442 | 10.55289 | -0.1109 | +/-1.0 | |
| Calibration Blank (0D17030-CCB2) Lab File ID: ECD5-04172014.D Analyzed: 04/17/20 15:12 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 104 | 42 - 129 | 5.891 | 5.986444 | -0.0954 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 98 | 55 - 130 | 10.441 | 10.55289 | -0.1119 | +/-1.0 | |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE2) Lab File ID: ECD5-04172023.D Analyzed: 04/17/20 18:06 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 95.5 | 100 | 42 - 129 | 5.89 | 5.986444 | -0.0964 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 95.5 | 103 | 55 - 130 | 10.438 | 10.55289 | -0.1149 | +/-1.0 | |
| Calibration Check (0D17030-CCV5) Lab File ID: ECD5-04172025.D Analyzed: 04/17/20 18:44 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 100 | 95 | 80 - 120 | 5.293 | 5.390555 | -0.0976 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 105 | 80 - 120 | 5.891 | 5.986444 | -0.0954 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 100 | 100 | 80 - 120 | 9.491 | 9.588889 | -0.0979 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 114 | 80 - 120 | 10.439 | 10.55289 | -0.1139 | +/-1.0 | |
| Calibration Blank (0D17030-CCB3) Lab File ID: ECD5-04172027.D Analyzed: 04/17/20 19:18 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 106 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 105 | 55 - 130 | 10.438 | 10.55289 | -0.1149 | +/-1.0 | |

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 C</u> |
| Sequence: <u>0D20044</u> | Instrument: <u>DUALECD5</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0C2504</u> |

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| Calibration Check (0D20044-CCV1) Lab File ID: ECD5-04202004.D Analyzed: 04/20/20 12:49 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 95 | 80 - 120 | 5.296 | 5.390555 | -0.0946 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 89 | 80 - 120 | 5.893 | 5.986444 | -0.0934 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 103 | 80 - 120 | 9.491 | 9.588889 | -0.0979 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 96 | 80 - 120 | 10.439 | 10.55289 | -0.1139 | +/-1.0 | |
| Calibration Blank (0D20044-CCB1) Lab File ID: ECD5-04202006.D Analyzed: 04/20/20 13:23 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 97 | 42 - 129 | 5.891 | 5.986444 | -0.0954 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 96 | 55 - 130 | 10.437 | 10.55289 | -0.1159 | +/-1.0 | |
| Blank (0040473-BLK1) Lab File ID: ECD5-04202007.D Analyzed: 04/20/20 13:40 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 45.5 | 52 | 42 - 129 | 5.89 | 5.986444 | -0.0964 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 45.5 | 86 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| LCS (0040473-BS1) Lab File ID: ECD5-04202008.D Analyzed: 04/20/20 13:57 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 50 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 86 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| PDI-077SC-A-10-11-191014 (A0D0212-08RE1) Lab File ID: ECD5-04202009.D Analyzed: 04/20/20 14:15 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 61.1 | 60 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 61.1 | 80 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| PDI-077SC-A-11-12-191014 (A0D0212-09RE1) Lab File ID: ECD5-04202010.D Analyzed: 04/20/20 14:32 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 63.7 | 59 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 63.7 | 82 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| PDI-077SC-A-03-04-191014 (A0D0212-01RE1) Lab File ID: ECD5-04202011.D Analyzed: 04/20/20 14:49 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 85.4 | 70 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 85.4 | 93 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| Duplicate (0040473-DUP1) Lab File ID: ECD5-04202013.D Analyzed: 04/20/20 15:27 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 84.0 | 67 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 84.0 | 90 | 55 - 130 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| Matrix Spike (0040473-MS1) Lab File ID: ECD5-04202015.D Analyzed: 04/20/20 16:06 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 84.8 | 72 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 84.8 | 88 | 55 - 130 | 10.435 | 10.55289 | -0.1179 | +/-1.0 | |
| Matrix Spike Dup (0040473-MSD1) Lab File ID: ECD5-04202017.D Analyzed: 04/20/20 16:44 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 85.8 | 81 | 42 - 129 | 5.888 | 5.986444 | -0.0984 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 85.8 | 98 | 55 - 130 | 10.434 | 10.55289 | -0.1189 | +/-1.0 | |

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D20044
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD5
 Calibration: A0C2504

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|-----------------|--------|---------------------|---------|---------------|---|
| Calibration Check (0D20044-CCV3) Lab File ID: ECD5-04202019.D Analyzed: 04/20/20 17:22 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 100 | 87 | 80 - 120 | 5.292 | 5.390555 | -0.0986 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 100 | 80 - 120 | 5.89 | 5.986444 | -0.0964 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 100 | 91 | 80 - 120 | 9.488 | 9.588889 | -0.1009 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 108 | 80 - 120 | 10.436 | 10.55289 | -0.1169 | +/-1.0 | |
| Calibration Blank (0D20044-CCB2) Lab File ID: ECD5-04202021.D Analyzed: 04/20/20 17:57 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 100 | 42 - 129 | 5.888 | 5.986444 | -0.0984 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 99 | 55 - 130 | 10.435 | 10.55289 | -0.1179 | +/-1.0 | |
| PDI-077SC-A-06-07-191014 (A0D0212-04RE1) Lab File ID: ECD5-04202022.D Analyzed: 04/20/20 18:14 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 78.2 | 96 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 78.2 | 108 | 55 - 130 | 9.487 | 9.588889 | -0.1019 | +/-1.0 | |
| PDI-077SC-A-07-08-191014 (A0D0212-05RE1) Lab File ID: ECD5-04202024.D Analyzed: 04/20/20 18:52 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 81.6 | 100 | 42 - 129 | 5.888 | 5.986444 | -0.0984 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 81.6 | 103 | 55 - 130 | 9.486 | 9.588889 | -0.1029 | +/-1.0 | |
| PDI-077SC-A-08-09-191014 (A0D0212-06RE1) Lab File ID: ECD5-04202026.D Analyzed: 04/20/20 19:30 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 75.0 | 73 | 42 - 129 | 5.887 | 5.986444 | -0.0994 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 75.0 | 110 | 55 - 130 | 10.433 | 10.55289 | -0.1199 | +/-1.0 | |
| PDI-077SC-A-09-10-191014 (A0D0212-07RE1) Lab File ID: ECD5-04202028.D Analyzed: 04/20/20 20:08 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 62.3 | 93 | 42 - 129 | 5.887 | 5.986444 | -0.0994 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 62.3 | 111 | 55 - 130 | 10.432 | 10.55289 | -0.1209 | +/-1.0 | |
| Calibration Check (0D20044-CCV5) Lab File ID: ECD5-04202030.D Analyzed: 04/20/20 20:46 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) | 50.0 | 89 | 80 - 120 | 5.29 | 5.390555 | -0.1006 | +/-1.0 | |
| 2,4,5,6-TCMX (Surr) [2C] | 50.0 | 96 | 80 - 120 | 5.887 | 5.986444 | -0.0994 | +/-1.0 | |
| Decachlorobiphenyl (Surr) | 50.0 | 96 | 80 - 120 | 9.486 | 9.588889 | -0.1029 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 50.0 | 111 | 80 - 120 | 10.433 | 10.55289 | -0.1199 | +/-1.0 | |
| Calibration Blank (0D20044-CCB3) Lab File ID: ECD5-04202032.D Analyzed: 04/20/20 21:20 | | | | | | | | |
| 2,4,5,6-TCMX (Surr) [2C] | 100 | 105 | 42 - 129 | 5.889 | 5.986444 | -0.0974 | +/-1.0 | |
| Decachlorobiphenyl (Surr) [2C] | 100 | 110 | 55 - 130 | 10.435 | 10.55289 | -0.1179 | +/-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-077SC-A-03-04-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 14:49 | 10.25 | 40.00 | * |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:28 | 178.99 | 14.00 | 04/15/20 19:08 | 5.44 | 40.00 | * |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:28 | 178.99 | 14.00 | 04/17/20 18:06 | 7.40 | 40.00 | * |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:28 | 178.99 | 14.00 | 04/15/20 15:26 | 5.29 | 40.00 | * |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:28 | 178.99 | 14.00 | 04/17/20 14:21 | 7.25 | 40.00 | * |
| PDI-077SC-A-06-07-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 18:14 | 10.40 | 40.00 | * |
| PDI-077SC-A-07-08-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 18:52 | 10.42 | 40.00 | * |
| PDI-077SC-A-08-09-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 19:30 | 10.45 | 40.00 | * |
| PDI-077SC-A-09-10-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 20:08 | 10.48 | 40.00 | * |
| PDI-077SC-A-10-11-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 14:15 | 10.23 | 40.00 | * |
| PDI-077SC-A-11-12-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 08:43 | 179.00 | 14.00 | 04/20/20 14:32 | 10.24 | 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 C

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|-----------------|
| <u>PDI-077SC-A-03-04-191014</u> | <u>A0D0212-01</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-04-05-191014</u> | <u>A0D0212-02</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-05-06-191014</u> | <u>A0D0212-03</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-06-07-191014</u> | <u>A0D0212-04</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-07-08-191014</u> | <u>A0D0212-05</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-08-09-191014</u> | <u>A0D0212-06</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-09-10-191014</u> | <u>A0D0212-07</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-10-11-191014</u> | <u>A0D0212-08</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-11-12-191014</u> | <u>A0D0212-09</u> | <u>Sediment</u> |

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

Signature:



Name:

David G. Jack

Forms Created:

5/4/2020 12:48PM

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-077SC-A-03-04-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-01</u> | File ID: <u>N04102019.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:19</u> | Analyzed: <u>04/10/20 20:39</u> |
| Solids: <u>56.71</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.3 g / 5 mL</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D10041</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 12900 | D |
| 208-96-8 | Acenaphthylene | 1000 | 2140 | U |
| 120-12-7 | Anthracene | 1000 | 10900 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 7840 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 8160 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 6530 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 2380 | JD |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 5170 | D |
| 218-01-9 | Chrysene | 1000 | 8990 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 2140 | U |
| 206-44-0 | Fluoranthene | 1000 | 29400 | D |
| 86-73-7 | Fluorene | 1000 | 10800 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 4640 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 2140 | U |
| 91-20-3 | Naphthalene | 1000 | 2140 | U |
| 85-01-8 | Phenanthrene | 1000 | 47700 | D |
| 129-00-0 | Pyrene | 1000 | 28200 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 85.6 | 190 | 222 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 85.6 | 386 | 451 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 246271 | 7.877 | 226507 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 153590 | 9.632 | 137641 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 302899 | 11.141 | 265671 | 11.136 | |
| Chrysene-d12 (ISTD) | 323115 | 14.895 | 253703 | 14.895 | |
| Perylene-d12 (ISTD) | 321378 | 18.351 | 246508 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 265243 | 20.729 | 207305 | 20.729 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-04-05-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-02RE1</u> | File ID: <u>N04132020.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:18</u> | Analyzed: <u>04/13/20 18:19</u> |
| Solids: <u>51.54</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.01 g / 5 mL</u> |
| Batch: <u>0040356</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 400 | 14500 | D |
| 208-96-8 | Acenaphthylene | 400 | 1320 | JD |
| 120-12-7 | Anthracene | 400 | 7400 | D |
| 56-55-3 | Benz(a)anthracene | 400 | 4760 | D |
| 50-32-8 | Benzo(a)pyrene | 400 | 4670 | D |
| 205-99-2 | Benzo(b)fluoranthene | 400 | 3920 | D |
| 207-08-9 | Benzo(k)fluoranthene | 400 | 1330 | JD |
| 191-24-2 | Benzo(g,h,i)perylene | 400 | 3050 | D |
| 218-01-9 | Chrysene | 400 | 5440 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 400 | 969 | U |
| 206-44-0 | Fluoranthene | 400 | 17900 | D |
| 86-73-7 | Fluorene | 400 | 11000 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 400 | 2630 | D |
| 91-57-6 | 2-Methylnaphthalene | 400 | 969 | U |
| 91-20-3 | Naphthalene | 400 | 1250 | JD |
| 85-01-8 | Phenanthrene | 400 | 34900 | D |
| 129-00-0 | Pyrene | 400 | 17800 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 96.9 | 128 | 132 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 96.9 | 209 | 216 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 275517 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 173526 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 331898 | 11.135 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 325345 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 332773 | 18.351 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 273317 | 20.729 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-05-06-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-03</u> | File ID: <u>N04132006.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:18</u> | Analyzed: <u>04/13/20 10:48</u> |
| Solids: <u>62.06</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.47 g / 5 mL</u> |
| Batch: <u>0040356</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 49900 | D |
| 208-96-8 | Acenaphthylene | 1000 | 6220 | D |
| 120-12-7 | Anthracene | 1000 | 35200 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 25600 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 30000 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 24000 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 7660 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 21100 | D |
| 218-01-9 | Chrysene | 1000 | 29700 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 2240 | JD |
| 206-44-0 | Fluoranthene | 1000 | 84700 | D |
| 86-73-7 | Fluorene | 1000 | 29300 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 17700 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 41000 | D |
| 91-20-3 | Naphthalene | 1000 | 4430 | D |
| 85-01-8 | Phenanthrene | 1000 | 159000 | D |
| 129-00-0 | Pyrene | 1000 | 100000 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 76.9 | 169 | 220 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 76.9 | 246 | 320 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 270689 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 158810 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 295158 | 11.136 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 283619 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 296110 | 18.351 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 237808 | 20.729 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-06-07-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-04</u> | File ID: <u>N04132007.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:18</u> | Analyzed: <u>04/13/20 11:20</u> |
| Solids: <u>61.82</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.56 g / 5 mL</u> |
| Batch: <u>0040356</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9 | Acenaphthene | 1000 | 33500 | D |
| 208-96-8 | Acenaphthylene | 1000 | 5050 | D |
| 120-12-7 | Anthracene | 1000 | 26000 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 20800 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 27400 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 22100 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 6830 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 21400 | D |
| 218-01-9 | Chrysene | 1000 | 24100 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 1910 | U |
| 206-44-0 | Fluoranthene | 1000 | 69200 | D |
| 86-73-7 | Fluorene | 1000 | 20100 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 17300 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 20600 | D |
| 91-20-3 | Naphthalene | 1000 | 6280 | D |
| 85-01-8 | Phenanthrene | 1000 | 116000 | D |
| 129-00-0 | Pyrene | 1000 | 83100 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 76.6 | 146 | 190 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 76.6 | 230 | 300 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 258836 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 158101 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 293003 | 11.136 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 278289 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 292569 | 18.352 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 231513 | 20.73 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-07-08-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-05</u> | File ID: <u>N04132008.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:22</u> | Analyzed: <u>04/13/20 11:52</u> |
| Solids: <u>60.27</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.48 g / 5 mL</u> |
| Batch: <u>0040356</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 41900 | D |
| 208-96-8 | Acenaphthylene | 1000 | 4810 | D |
| 120-12-7 | Anthracene | 1000 | 29800 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 22100 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 26600 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 22100 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 6550 | D |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 18700 | D |
| 218-01-9 | Chrysene | 1000 | 27300 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 2000 | JD |
| 206-44-0 | Fluoranthene | 1000 | 81700 | D |
| 86-73-7 | Fluorene | 1000 | 24300 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 16000 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 16200 | D |
| 91-20-3 | Naphthalene | 1000 | 6030 | D |
| 85-01-8 | Phenanthrene | 1000 | 138000 | D |
| 129-00-0 | Pyrene | 1000 | 95800 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 79.2 | 166 | 210 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 79.2 | 253 | 320 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 259908 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 159181 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 293408 | 11.136 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 279632 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 296514 | 18.351 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 233859 | 20.729 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-08-09-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-06</u> | File ID: <u>N04132009.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:19</u> | Analyzed: <u>04/13/20 12:24</u> |
| Solids: <u>62.83</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.27 g / 5 mL</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 13000 | D |
| 208-96-8 | Acenaphthylene | 1000 | 1940 | U |
| 120-12-7 | Anthracene | 1000 | 8100 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 7130 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 9610 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 7440 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 2670 | JD |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 7030 | D |
| 218-01-9 | Chrysene | 1000 | 9010 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 1940 | U |
| 206-44-0 | Fluoranthene | 1000 | 26400 | D |
| 86-73-7 | Fluorene | 1000 | 7560 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 6160 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 1940 | U |
| 91-20-3 | Naphthalene | 1000 | 3070 | JD |
| 85-01-8 | Phenanthrene | 1000 | 42600 | D |
| 129-00-0 | Pyrene | 1000 | 31300 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 77.5 | 139 | 180 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 77.5 | 155 | 200 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 267295 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 159465 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 282524 | 11.135 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 260417 | 14.889 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 269499 | 18.345 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 214252 | 20.729 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-09-10-191014

| | | |
|--------------------------------------|--|--------------------------------------|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-07</u> | File ID: <u>N04132010.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:19</u> | Analyzed: <u>04/13/20 12:56</u> |
| Solids: <u>77.81</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.27 g / 5 mL</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> |
| | | Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|----|
| 83-32-9 | Acenaphthene | 1000 | 5990 | D |
| 208-96-8 | Acenaphthylene | 1000 | 1560 | U |
| 120-12-7 | Anthracene | 1000 | 4710 | D |
| 56-55-3 | Benz(a)anthracene | 1000 | 5490 | D |
| 50-32-8 | Benzo(a)pyrene | 1000 | 6960 | D |
| 205-99-2 | Benzo(b)fluoranthene | 1000 | 5730 | D |
| 207-08-9 | Benzo(k)fluoranthene | 1000 | 1660 | JD |
| 191-24-2 | Benzo(g,h,i)perylene | 1000 | 5180 | D |
| 218-01-9 | Chrysene | 1000 | 6650 | D |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | 1560 | U |
| 206-44-0 | Fluoranthene | 1000 | 18200 | D |
| 86-73-7 | Fluorene | 1000 | 3760 | D |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1000 | 4320 | D |
| 91-57-6 | 2-Methylnaphthalene | 1000 | 1560 | U |
| 91-20-3 | Naphthalene | 1000 | 1560 | U |
| 85-01-8 | Phenanthrene | 1000 | 27200 | D |
| 129-00-0 | Pyrene | 1000 | 22800 | D |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 62.6 | 150 | 240 | 44 - 120 | D |
| p-Terphenyl-d14 (Surr) | 62.6 | 169 | 270 | 54 - 127 | D |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 265947 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 156697 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 282748 | 11.135 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 266931 | 14.889 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 272062 | 18.345 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 221788 | 20.729 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-10-11-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-08</u> | File ID: <u>N04132018.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:19</u> | Analyzed: <u>04/13/20 17:14</u> |
| Solids: <u>76.73</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.39 g / 5 mL</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9 | Acenaphthene | 1 | 15.8 | |
| 208-96-8 | Acenaphthylene | 1 | 2.09 | J |
| 120-12-7 | Anthracene | 1 | 8.52 | |
| 56-55-3 | Benz(a)anthracene | 1 | 11.5 | |
| 50-32-8 | Benzo(a)pyrene | 1 | 13.3 | |
| 205-99-2 | Benzo(b)fluoranthene | 1 | 10.7 | |
| 207-08-9 | Benzo(k)fluoranthene | 1 | 3.54 | |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | 9.47 | |
| 218-01-9 | Chrysene | 1 | 13.8 | |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | 1.57 | U |
| 206-44-0 | Fluoranthene | 1 | 38.3 | |
| 86-73-7 | Fluorene | 1 | 10.0 | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | 8.08 | |
| 91-57-6 | 2-Methylnaphthalene | 1 | 7.71 | |
| 91-20-3 | Naphthalene | 1 | 17.3 | |
| 85-01-8 | Phenanthrene | 1 | 63.7 | |
| 129-00-0 | Pyrene | 1 | 46.4 | |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 62.7 | 47.0 | 75 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 62.7 | 50.9 | 81 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 252970 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 176826 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 345078 | 11.136 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 368059 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 381433 | 18.351 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 317119 | 20.735 | 188577 | 20.735 | |

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-077SC-A-11-12-191014

| | | |
|--------------------------------------|--|--|
| 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>Sediment</u> | Laboratory ID: <u>A0D0212-09</u> | File ID: <u>N04132019.D</u> |
| Sampled: <u>10/14/19 08:36</u> | Prepared: <u>04/10/20 07:19</u> | Analyzed: <u>04/13/20 17:47</u> |
| Solids: <u>76.46</u> | Preparation: <u>EPA 3546</u> | Initial/Final: <u>10.83 g / 5 mL</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D13031</u> | Calibration: <u>A0D0804</u> Instrument: <u>SV-GCMS14</u> |

| CAS NO. | COMPOUND | DILUTION | CONC. (ug/kg dry) | Q |
|----------|------------------------|----------|-------------------|---|
| 83-32-9 | Acenaphthene | 1 | 5.40 | |
| 208-96-8 | Acenaphthylene | 1 | 1.51 | U |
| 120-12-7 | Anthracene | 1 | 1.51 | U |
| 56-55-3 | Benz(a)anthracene | 1 | 1.51 | U |
| 50-32-8 | Benzo(a)pyrene | 1 | 1.51 | U |
| 205-99-2 | Benzo(b)fluoranthene | 1 | 1.51 | U |
| 207-08-9 | Benzo(k)fluoranthene | 1 | 1.51 | U |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | 1.51 | U |
| 218-01-9 | Chrysene | 1 | 1.51 | U |
| 53-70-3 | Dibenz(a,h)anthracene | 1 | 1.51 | U |
| 206-44-0 | Fluoranthene | 1 | 1.51 | U |
| 86-73-7 | Fluorene | 1 | 1.51 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | 1.51 | U |
| 91-57-6 | 2-Methylnaphthalene | 1 | 1.51 | U |
| 91-20-3 | Naphthalene | 1 | 1.51 | U |
| 85-01-8 | Phenanthrene | 1 | 4.38 | |
| 129-00-0 | Pyrene | 1 | 2.10 | J |

| SYSTEM MONITORING COMPOUND | ADDED (ug/kg dry) | CONC (ug/kg dry) | % REC | QC LIMITS | Q |
|----------------------------|-------------------|------------------|-------|-----------|---|
| 2-Fluorobiphenyl (Surr) | 60.4 | 45.7 | 76 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 60.4 | 51.6 | 85 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 291516 | 7.877 | 225671 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 184305 | 9.632 | 134953 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 350094 | 11.136 | 252632 | 11.136 | |
| Chrysene-d12 (ISTD) | 330636 | 14.895 | 243182 | 14.895 | |
| Perylene-d12 (ISTD) | 332457 | 18.351 | 241609 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 272054 | 20.729 | 188577 | 20.735 | |

* 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 Cc

Batch: 0040356

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------|---------------|-------------|----------------|--------------|
| Blank | 0040356-BLK1 | N04102011.D | 04/10/20 07:04 | |
| LCS | 0040356-BS1 | N04102012.D | 04/10/20 07:04 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE1 | N04132020.D | 04/10/20 07:18 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | N04132006.D | 04/10/20 07:18 | |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | N04132007.D | 04/10/20 07:18 | |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | N04132008.D | 04/10/20 07:22 | |

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.

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 Cc

Batch: 0040357

Batch Matrix: Sediment

Preparation: EPA 3546

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| Blank | 0040357-BLK1 | N04102017.D | 04/10/20 07:19 | |
| LCS | 0040357-BS1 | N04102018.D | 04/10/20 07:19 | |
| PDI-077SC-A-03-04-191014 (Dup) | 0040357-DUP1 | N04102020.D | 04/10/20 07:19 | |
| PDI-077SC-A-03-04-191014 (MS) | 0040357-MS1 | N04102021.D | 04/10/20 07:19 | |
| PDI-077SC-A-03-04-191014 (MSD) | 0040357-MSD1 | N04102022.D | 04/10/20 07:19 | |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | N04102019.D | 04/10/20 07:19 | |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | N04132009.D | 04/10/20 07:19 | |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | N04132010.D | 04/10/20 07:19 | |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | N04132018.D | 04/10/20 07:19 | |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | N04132019.D | 04/10/20 07:19 | |

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 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>0040356-BLK1</u> |
| Prepared: <u>04/10/20 07:04</u> | Preparation: <u>EPA 3546</u> |
| Analyzed: <u>04/10/20 16:25</u> | Instrument: <u>SV-GCMS14</u> |
| Batch: <u>0040356</u> | Sequence: <u>0D10041</u> |
| | File ID: <u>N04102011.D</u> |
| | Initial/Final: <u>11 g / 5 mL</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 | 34.2 | 75 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 40.6 | 89 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 257039 | 7.877 | 226507 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 154026 | 9.632 | 137641 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 284354 | 11.135 | 265671 | 11.136 | |
| Chrysene-d12 (ISTD) | 247765 | 14.889 | 253703 | 14.895 | |
| Perylene-d12 (ISTD) | 232214 | 18.351 | 246508 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 192845 | 20.729 | 207305 | 20.729 | |

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>0040357-BLK1</u> |
| Prepared: <u>04/10/20 07:19</u> | Preparation: <u>EPA 3546</u> |
| Analyzed: <u>04/10/20 19:36</u> | Instrument: <u>SV-GCMS14</u> |
| Batch: <u>0040357</u> | Sequence: <u>0D10041</u> |
| | File ID: <u>N04102017.D</u> |
| | Initial/Final: <u>11 g / 5 mL</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 | 33.6 | 74 | 44 - 120 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 42.6 | 94 | 54 - 127 | |

| INTERNAL STANDARD | AREA | RT | REF AREA | REF RT | Q |
|----------------------------------|--------|--------|----------|--------|---|
| Naphthalene-d8 (ISTD) | 265116 | 7.883 | 226507 | 7.877 | |
| Acenaphthene-d10 (ISTD) | 162267 | 9.632 | 137641 | 9.632 | |
| Phenanthrene-d10 (ISTD) | 312859 | 11.141 | 265671 | 11.136 | |
| Chrysene-d12 (ISTD) | 288178 | 14.895 | 253703 | 14.895 | |
| Perylene-d12 (ISTD) | 280277 | 18.351 | 246508 | 18.351 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 232224 | 20.729 | 207305 | 20.729 | |

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: 0040356

Laboratory ID: 0040356-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 | 15.5 | 78 | 40 - 123 |
| Acenaphthylene | 20.0 | 16.6 | 83 | 32 - 132 |
| Anthracene | 20.0 | 16.9 | 84 | 47 - 123 |
| Benz(a)anthracene | 20.0 | 16.1 | 81 | 49 - 126 |
| Benzo(a)pyrene | 20.0 | 16.9 | 85 | 45 - 129 |
| Benzo(b)fluoranthene | 20.0 | 16.1 | 80 | 45 - 132 |
| Benzo(k)fluoranthene | 20.0 | 16.0 | 80 | 47 - 132 |
| Benzo(g,h,i)perylene | 20.0 | 15.7 | 78 | 43 - 134 |
| Chrysene | 20.0 | 15.8 | 79 | 50 - 124 |
| Dibenz(a,h)anthracene | 20.0 | 15.0 | 75 | 45 - 134 |
| Fluoranthene | 20.0 | 16.8 | 84 | 50 - 127 |
| Fluorene | 20.0 | 16.2 | 81 | 43 - 125 |
| Indeno(1,2,3-cd)pyrene | 20.0 | 15.9 | 80 | 45 - 133 |
| 2-Methylnaphthalene | 20.0 | 16.2 | 81 | 38 - 122 |
| Naphthalene | 20.0 | 14.9 | 75 | 35 - 123 |
| Phenanthrene | 20.0 | 15.2 | 76 | 50 - 121 |
| Pyrene | 20.0 | 16.9 | 84 | 47 - 127 |

* = Values outside of QC limits

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: 0040357

Laboratory ID: 0040357-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 | 15.4 | 77 | 40 - 123 |
| Acenaphthylene | 20.0 | 16.8 | 84 | 32 - 132 |
| Anthracene | 20.0 | 17.5 | 88 | 47 - 123 |
| Benz(a)anthracene | 20.0 | 16.9 | 84 | 49 - 126 |
| Benzo(a)pyrene | 20.0 | 18.4 | 92 | 45 - 129 |
| Benzo(b)fluoranthene | 20.0 | 17.7 | 88 | 45 - 132 |
| Benzo(k)fluoranthene | 20.0 | 16.8 | 84 | 47 - 132 |
| Benzo(g,h,i)perylene | 20.0 | 17.2 | 86 | 43 - 134 |
| Chrysene | 20.0 | 16.6 | 83 | 50 - 124 |
| Dibenz(a,h)anthracene | 20.0 | 15.7 | 78 | 45 - 134 |
| Fluoranthene | 20.0 | 18.1 | 91 | 50 - 127 |
| Fluorene | 20.0 | 16.7 | 84 | 43 - 125 |
| Indeno(1,2,3-cd)pyrene | 20.0 | 16.9 | 84 | 45 - 133 |
| 2-Methylnaphthalene | 20.0 | 16.1 | 81 | 38 - 122 |
| Naphthalene | 20.0 | 15.0 | 75 | 35 - 123 |
| Phenanthrene | 20.0 | 16.0 | 80 | 50 - 121 |
| Pyrene | 20.0 | 17.2 | 86 | 47 - 127 |

* = Values outside of QC limits

DUPLICATES

PDI-077SC-A-03-04-191014

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: 0040357-DUP1

Batch: 0040357

Lab Source ID: A0D0212-01

Preparation: EPA 3546

Initial/Final: 10.34 g / 5 mL

Source Sample Name: PDI-077SC-A-03-04-191014

% Solids: 56.71

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (ug/kg dry) | C | DUPLICATE CONCENTRATION (ug/kg dry) | C | RPD % | Q | METHOD |
|------------------------|---------------|----------------------------------|---|-------------------------------------|---|-------|---|-----------|
| Acenaphthene | 30 | 12900 | | 9980 | | 25 | | EPA 8270D |
| Acenaphthylene | 30 | 1890 | | ND | | | | EPA 8270D |
| Anthracene | 30 | 10900 | | 8140 | | 29 | | EPA 8270D |
| Benz(a)anthracene | 30 | 7840 | | 5650 | | 32 | * | EPA 8270D |
| Benzo(a)pyrene | 30 | 8160 | | 5230 | | 44 | * | EPA 8270D |
| Benzo(b)fluoranthene | 30 | 6530 | | 4390 | | 39 | * | EPA 8270D |
| Benzo(k)fluoranthene | 30 | 2380 | | ND | | | | EPA 8270D |
| Benzo(g,h,i)perylene | 30 | 5170 | | 3370 | | 42 | * | EPA 8270D |
| Chrysene | 30 | 8990 | | 6700 | | 29 | | EPA 8270D |
| Dibenz(a,h)anthracene | 30 | 657 | | ND | | | | EPA 8270D |
| Fluoranthene | 30 | 29400 | | 21000 | | 34 | * | EPA 8270D |
| Fluorene | 30 | 10800 | | 8080 | | 29 | | EPA 8270D |
| Indeno(1,2,3-cd)pyrene | 30 | 4640 | | 2990 | | 43 | * | EPA 8270D |
| 2-Methylnaphthalene | 30 | 1030 | | ND | | | | EPA 8270D |
| Naphthalene | 30 | 1900 | | ND | | | | EPA 8270D |
| Phenanthrene | 30 | 47700 | | 37100 | | 25 | | EPA 8270D |
| Pyrene | 30 | 28200 | | 24000 | | 16 | | EPA 8270D |

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-077SC-A-03-04-191014

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: 0040357

Laboratory ID: 0040357-MS1

Preparation: EPA 3546

Initial/Final: 10.35 g / 5 mL

Source Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | SAMPLE CONCENTRATION (ug/kg dry) | MS CONCENTRATION (ug/kg dry) | MS % REC. (*=Out) | QC LIMITS REC. |
|------------------------|-------------------------|----------------------------------|------------------------------|-------------------|----------------|
| Acenaphthene | 34.1 | 12900 | 10600 | -6540 * | 40 - 123 |
| Acenaphthylene | 34.1 | ND | ND | * | 32 - 132 |
| Anthracene | 34.1 | 10900 | 9490 | -4070 * | 47 - 123 |
| Benz(a)anthracene | 34.1 | 7840 | 5420 | -7110 * | 49 - 126 |
| Benzo(a)pyrene | 34.1 | 8160 | 5130 | -8900 * | 45 - 129 |
| Benzo(b)fluoranthene | 34.1 | 6530 | 4320 | -6500 * | 45 - 132 |
| Benzo(k)fluoranthene | 34.1 | 2380 | ND | -6980 * | 47 - 132 |
| Benzo(g,h,i)perylene | 34.1 | 5170 | 3200 | -5790 * | 43 - 134 |
| Chrysene | 34.1 | 8990 | 6420 | -7530 * | 50 - 124 |
| Dibenz(a,h)anthracene | 34.1 | ND | ND | * | 45 - 134 |
| Fluoranthene | 34.1 | 29400 | 21400 | -23400 * | 50 - 127 |
| Fluorene | 34.1 | 10800 | 8590 | -6550 * | 43 - 125 |
| Indeno(1,2,3-cd)pyrene | 34.1 | 4640 | 2870 | -5190 * | 45 - 133 |
| 2-Methylnaphthalene | 34.1 | ND | ND | * | 38 - 122 |
| Naphthalene | 34.1 | ND | 2150 | 6310 * | 35 - 123 |
| Phenanthrene | 34.1 | 47700 | 38400 | -27300 * | 50 - 121 |
| Pyrene | 34.1 | 28200 | 23000 | -15200 * | 47 - 127 |

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270D

PDI-077SC-A-03-04-191014

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: 0040357

Laboratory ID: 0040357-MSD1

Preparation: EPA 3546

Initial/Final: 10.32 g / 5 mL

Source Sample Name: PDI-077SC-A-03-04-191014

| COMPOUND | SPIKE ADDED (ug/kg dry) | MSD CONCENTRATION (ug/kg dry) | MSD % RECOVERY | % RPD | QC LIMITS | |
|------------------------|-------------------------|-------------------------------|----------------|-------|-----------|----------|
| | | | | | RPD | REC. |
| Acenaphthene | 34.2 | 10400 | -7170 * | 2 | 30 | 40 - 123 |
| Acenaphthylene | 34.2 | ND | * | | 30 | 32 - 132 |
| Anthracene | 34.2 | 7400 | -10200 * | 25 | 30 | 47 - 123 |
| Benz(a)anthracene | 34.2 | 5260 | -7540 * | 3 | 30 | 49 - 126 |
| Benzo(a)pyrene | 34.2 | 5140 | -8830 * | 0.3 | 30 | 45 - 129 |
| Benzo(b)fluoranthene | 34.2 | 4390 | -6260 * | 2 | 30 | 45 - 132 |
| Benzo(k)fluoranthene | 34.2 | ND | -6960 * | | 30 | 47 - 132 |
| Benzo(g,h,i)perylene | 34.2 | 3590 | -4640 * | 11 | 30 | 43 - 134 |
| Chrysene | 34.2 | 6020 | -8680 * | 6 | 30 | 50 - 124 |
| Dibenz(a,h)anthracene | 34.2 | ND | * | | 30 | 45 - 134 |
| Fluoranthene | 34.2 | 19900 | -28000 * | 8 | 30 | 50 - 127 |
| Fluorene | 34.2 | 8000 | -8240 * | 7 | 30 | 43 - 125 |
| Indeno(1,2,3-cd)pyrene | 34.2 | 3160 | -4330 * | 10 | 30 | 45 - 133 |
| 2-Methylnaphthalene | 34.2 | ND | * | | 30 | 38 - 122 |
| Naphthalene | 34.2 | ND | * | 200 * | 30 | 35 - 123 |
| Phenanthrene | 34.2 | 34700 | -38100 * | 10 | 30 | 50 - 121 |
| Pyrene | 34.2 | 20400 | -22900 * | 12 | 30 | 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 C

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: <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>0D10041</u> | Instrument: <u>SV-GCMS14</u> |
| Matrix: <u>Sediment</u> | Calibration: <u>A0D0804</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-------------|--------------------|
| MS Tune | 0D10041-TUN1 | N04102008.D | 04/10/20 14:53 |
| Calibration Check | 0D10041-CCV1 | N04102009.D | 04/10/20 15:20 |
| Calibration Blank | 0D10041-CCB1 | N04102010.D | 04/10/20 15:52 |
| Blank | 0040356-BLK1 | N04102011.D | 04/10/20 16:25 |
| LCS | 0040356-BS1 | N04102012.D | 04/10/20 16:57 |
| Blank | 0040357-BLK1 | N04102017.D | 04/10/20 19:36 |
| LCS | 0040357-BS1 | N04102018.D | 04/10/20 20:07 |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | N04102019.D | 04/10/20 20:39 |
| PDI-077SC-A-03-04-191014 (Dup) | 0040357-DUP1 | N04102020.D | 04/10/20 21:11 |
| PDI-077SC-A-03-04-191014 (MS) | 0040357-MS1 | N04102021.D | 04/10/20 21:42 |
| PDI-077SC-A-03-04-191014 (MSD) | 0040357-MSD1 | N04102022.D | 04/10/20 22:13 |

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0D13031

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------|---------------|-------------|--------------------|
| MS Tune | 0D13031-TUN1 | N04132001.D | 04/13/20 08:13 |
| Calibration Check | 0D13031-CCV1 | N04132002.D | 04/13/20 08:40 |
| Calibration Blank | 0D13031-CCB2 | N04132004.D | 04/13/20 09:44 |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | N04132006.D | 04/13/20 10:48 |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | N04132007.D | 04/13/20 11:20 |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | N04132008.D | 04/13/20 11:52 |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | N04132009.D | 04/13/20 12:24 |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | N04132010.D | 04/13/20 12:56 |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | N04132018.D | 04/13/20 17:14 |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | N04132019.D | 04/13/20 17:47 |
| PDI-077SC-A-04-05-191014 | A0D0212-02RE1 | N04132020.D | 04/13/20 18:19 |

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.

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 C

Lab File ID: N04102008.D

Injection Date: 04/10/20

Instrument ID: SV-GCMS14

Injection Time: 14:53

Sequence: 0D10041

Lab Sample ID: 0D10041-TUN1

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---------|------------------------------------|----------------------|------|
| m/z 68 | Less than 2% of m/z 69 | 1.86 | 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 | 0.00 | PASS |
| m/z 198 | Base peak, 100% relative abundance | 100.00 | PASS |
| m/z 199 | 5 - 9% of m/z 198 | 6.76 | PASS |
| m/z 365 | 1 - 100% of m/z 198 | 4.49 | PASS |
| m/z 441 | Less than 150% of m/z 443 | 77.95 | PASS |
| m/z 442 | 0.1 - 200% of m/z 198 | 157.33 | PASS |
| m/z 443 | 15 - 24% of m/z 442 | 19.50 | 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 C

Lab File ID: N04132001.D

Injection Date: 04/13/20

Instrument ID: SV-GCMS14

Injection Time: 08:13

Sequence: 0D13031

Lab Sample ID: 0D13031-TUN1

| m/z | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|---------|------------------------------------|----------------------|------|
| m/z 68 | Less than 2% of m/z 69 | 1.82 | PASS |
| m/z 69 | Base peak, 100% relative abundance | 100.00 | PASS |
| m/z 70 | Less than 2% of m/z 69 | 0.52 | 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 | 6.74 | PASS |
| m/z 365 | 1 - 100% of m/z 198 | 4.76 | PASS |
| m/z 441 | Less than 150% of m/z 443 | 77.81 | PASS |
| m/z 442 | 0.1 - 200% of m/z 198 | 169.28 | PASS |
| m/z 443 | 15 - 24% of m/z 442 | 19.35 | 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/a²) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8270D

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Calibration: A0D0804

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te
 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 (ng/mL) | FOUND (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: N04102009.D

Calibration Date: 04/08/20 10:34

Sequence: 0D10041

Injection Date: 04/10/20

Lab Sample ID: 0D10041-CCV1

Injection Time: 15:20

| 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 | 51.2 | | 1.367868 | 1.399786 | 2.3 | 20 |
| Acenaphthylene | Ave | 50.0 | 53.7 | | 1.864683 | 2.002252 | 7.4 | 20 |
| Anthracene | Ave | 50.0 | 55.8 | | 0.9426797 | 1.052061 | 11.6 | 20 |
| Benz(a)anthracene | Ave | 50.0 | 52.0 | | 1.037035 | 1.079025 | 4.0 | 20 |
| Benzo(a)pyrene | XXX | 50.0 | 56.9 | 13.9 | | | | 20 |
| Benzo(b)fluoranthene | Ave | 50.0 | 53.9 | | 1.033776 | 1.114568 | 7.8 | 20 |
| Benzo(k)fluoranthene | Ave | 50.0 | 52.8 | | 1.030571 | 1.087794 | 5.6 | 20 |
| Benzo(g,h,i)perylene | Ave | 50.0 | 51.0 | | 1.165254 | 1.187555 | 1.9 | 20 |
| Chrysene | Ave | 50.0 | 49.4 | | 1.066565 | 1.054446 | -1.1 | 20 |
| Dibenz(a,h)anthracene | Ave | 50.0 | 50.3 | | 1.095365 | 1.102414 | 0.6 | 20 |
| Fluoranthene | Ave | 50.0 | 54.5 | | 1.134427 | 1.2361 | 9.0 | 20 |
| Fluorene | Ave | 50.0 | 54.9 | | 1.315227 | 1.445238 | 9.9 | 20 |
| Indeno(1,2,3-cd)pyrene | Ave | 50.0 | 50.7 | | 1.086276 | 1.100591 | 1.3 | 20 |
| 2-Methylnaphthalene | Ave | 50.0 | 52.4 | | 0.7313287 | 0.7663869 | 4.8 | 20 |
| Naphthalene | Ave | 50.0 | 48.7 | | 1.08918 | 1.061769 | -2.5 | 20 |
| Phenanthrene | Ave | 50.0 | 49.5 | | 1.151046 | 1.140456 | -0.9 | 20 |
| Pyrene | Ave | 50.0 | 51.7 | | 1.297049 | 1.342057 | 3.5 | 20 |

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

* = Values outside of QC limits

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: N04132002.D

Calibration Date: 04/08/20 10:34

Sequence: 0D13031

Injection Date: 04/13/20

Lab Sample ID: 0D13031-CCV1

Injection Time: 08:40

| 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 | 50.4 | | 1.367868 | 1.379073 | 0.8 | 20 |
| Acenaphthylene | Ave | 50.0 | 54.4 | | 1.864683 | 2.027906 | 8.8 | 20 |
| Anthracene | Ave | 50.0 | 55.1 | | 0.9426797 | 1.038285 | 10.1 | 20 |
| Benz(a)anthracene | Ave | 50.0 | 51.8 | | 1.037035 | 1.073821 | 3.5 | 20 |
| Benzo(a)pyrene | XXX | 50.0 | 56.4 | 12.8 | | | | 20 |
| Benzo(b)fluoranthene | Ave | 50.0 | 52.8 | | 1.033776 | 1.092443 | 5.7 | 20 |
| Benzo(k)fluoranthene | Ave | 50.0 | 52.1 | | 1.030571 | 1.074538 | 4.3 | 20 |
| Benzo(g,h,i)perylene | Ave | 50.0 | 53.7 | | 1.165254 | 1.250587 | 7.3 | 20 |
| Chrysene | Ave | 50.0 | 48.7 | | 1.066565 | 1.039501 | -2.5 | 20 |
| Dibenz(a,h)anthracene | Ave | 50.0 | 49.8 | | 1.095365 | 1.092159 | -0.3 | 20 |
| Fluoranthene | Ave | 50.0 | 54.9 | | 1.134427 | 1.244617 | 9.7 | 20 |
| Fluorene | Ave | 50.0 | 53.4 | | 1.315227 | 1.405082 | 6.8 | 20 |
| Indeno(1,2,3-cd)pyrene | Ave | 50.0 | 51.9 | | 1.086276 | 1.127338 | 3.8 | 20 |
| 2-Methylnaphthalene | Ave | 50.0 | 48.8 | | 0.7313287 | 0.7140306 | -2.4 | 20 |
| Naphthalene | Ave | 50.0 | 49.4 | | 1.08918 | 1.075043 | -1.3 | 20 |
| Phenanthrene | Ave | 50.0 | 49.0 | | 1.151046 | 1.129105 | -1.9 | 20 |
| Pyrene | Ave | 50.0 | 51.5 | | 1.297049 | 1.335913 | 3.0 | 20 |

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

* = 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 ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|----------------------|------------|--------------------------|--------|--------------------------|---------|---------------|---|
| Initial Cal Check (0D07056-ICV1) | | | 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: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D10041
 Matrix: Sediment

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

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|--|-------------------|------------|--------------------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D10041-CCV1) | | | Lab File ID: N04102009.D | | Analyzed: 04/10/20 15:20 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 99 | 80 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 106 | 80 - 120 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| Calibration Blank (0D10041-CCB1) | | | Lab File ID: N04102010.D | | Analyzed: 04/10/20 15:52 | | | |
| 2-Fluorobiphenyl (Surr) | | | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | | | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| Blank (0040356-BLK1) | | | Lab File ID: N04102011.D | | Analyzed: 04/10/20 16:25 | | | |
| 2-Fluorobiphenyl (Surr) | 45.5 | 75 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 89 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| LCS (0040356-BS1) | | | Lab File ID: N04102012.D | | Analyzed: 04/10/20 16:57 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 77 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 86 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| Blank (0040357-BLK1) | | | Lab File ID: N04102017.D | | Analyzed: 04/10/20 19:36 | | | |
| 2-Fluorobiphenyl (Surr) | 45.5 | 74 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 45.5 | 94 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| LCS (0040357-BS1) | | | Lab File ID: N04102018.D | | Analyzed: 04/10/20 20:07 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 76 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 89 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | Lab File ID: N04102019.D | | Analyzed: 04/10/20 20:39 | | | |
| 2-Fluorobiphenyl (Surr) | 85.6 | 222 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 85.6 | 451 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| Duplicate (0040357-DUP1) | | | Lab File ID: N04102020.D | | Analyzed: 04/10/20 21:11 | | | |
| 2-Fluorobiphenyl (Surr) | 85.3 | 161 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 85.3 | 311 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| Matrix Spike (0040357-MS1) | | | Lab File ID: N04102021.D | | Analyzed: 04/10/20 21:42 | | | |
| 2-Fluorobiphenyl (Surr) | 85.2 | 181 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 85.2 | 270 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| Matrix Spike Dup (0040357-MSD1) | | | Lab File ID: N04102022.D | | Analyzed: 04/10/20 22:13 | | | |
| 2-Fluorobiphenyl (Surr) | 85.4 | 172 | 44 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 85.4 | 363 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |

SURROGATE STANDARD RECOVERY AND RT 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

Sequence: 0D13031

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

| Surrogate Compound | Spike Level ng/mL | % Recovery | Recovery Limits | RT | Calibration Mean RT | RT Diff | RT Diff Limit | Q |
|---|-------------------|------------|--------------------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D13031-CCV1) | | | Lab File ID: N04132002.D | | Analyzed: 04/13/20 08:40 | | | |
| 2-Fluorobiphenyl (Surr) | 50.0 | 102 | 80 - 120 | 8.95 | 8.973 | -0.0230 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 50.0 | 102 | 80 - 120 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| Calibration Blank (0D13031-CCB2) | | | Lab File ID: N04132004.D | | Analyzed: 04/13/20 09:44 | | | |
| 2-Fluorobiphenyl (Surr) | | | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | | | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | Lab File ID: N04132006.D | | Analyzed: 04/13/20 10:48 | | | |
| 2-Fluorobiphenyl (Surr) | 76.9 | 220 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 76.9 | 320 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | Lab File ID: N04132007.D | | Analyzed: 04/13/20 11:20 | | | |
| 2-Fluorobiphenyl (Surr) | 76.6 | 190 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 76.6 | 300 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | Lab File ID: N04132008.D | | Analyzed: 04/13/20 11:52 | | | |
| 2-Fluorobiphenyl (Surr) | 79.2 | 210 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 79.2 | 320 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| PDI-077SC-A-08-09-191014 (A0D0212-06) | | | Lab File ID: N04132009.D | | Analyzed: 04/13/20 12:24 | | | |
| 2-Fluorobiphenyl (Surr) | 77.5 | 180 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 77.5 | 200 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | Lab File ID: N04132010.D | | Analyzed: 04/13/20 12:56 | | | |
| 2-Fluorobiphenyl (Surr) | 62.6 | 240 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 62.6 | 270 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | Lab File ID: N04132018.D | | Analyzed: 04/13/20 17:14 | | | |
| 2-Fluorobiphenyl (Surr) | 62.7 | 75 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 62.7 | 81 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | Lab File ID: N04132019.D | | Analyzed: 04/13/20 17:47 | | | |
| 2-Fluorobiphenyl (Surr) | 60.4 | 76 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | |
| p-Terphenyl-d14 (Surr) | 60.4 | 85 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) | | | Lab File ID: N04132020.D | | Analyzed: 04/13/20 18:19 | | | |
| 2-Fluorobiphenyl (Surr) | 96.9 | 132 | 44 - 120 | 8.944 | 8.973 | -0.0290 | +/-1.0 | * |
| p-Terphenyl-d14 (Surr) | 96.9 | 216 | 54 - 127 | 12.919 | 12.9576 | -0.0386 | +/-1.0 | * |

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D10041
 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 |
|---|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D10041-CCV1) | | | Lab File ID: N04102009.D | | | Analyzed: 04/10/20 15:20 | | | |
| Naphthalene-d8 (ISTD) | 226507 | 7.877 | 265079 | 7.906 | 85 | 50 - 200 | -0.0290 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 137641 | 9.632 | 146492 | 9.661 | 94 | 50 - 200 | -0.0290 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 265671 | 11.136 | 242013 | 11.165 | 110 | 50 - 200 | -0.0290 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 253703 | 14.895 | 238949 | 14.947 | 106 | 50 - 200 | -0.0520 | +/-0.50 | |
| Perylene-d12 (ISTD) | 246508 | 18.351 | 233103 | 18.41 | 106 | 50 - 200 | -0.0590 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 207305 | 20.729 | 190743 | 20.794 | 109 | 50 - 200 | -0.0650 | +/-0.50 | |
| Calibration Blank (0D10041-CCB1) | | | Lab File ID: N04102010.D | | | Analyzed: 04/10/20 15:52 | | | |
| Naphthalene-d8 (ISTD) | 240662 | 7.877 | 226507 | 7.877 | 106 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 146760 | 9.632 | 137641 | 9.632 | 107 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 277357 | 11.135 | 265671 | 11.136 | 104 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 249653 | 14.889 | 253703 | 14.895 | 98 | 50 - 200 | -0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 233892 | 18.345 | 246508 | 18.351 | 95 | 50 - 200 | -0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 201826 | 20.729 | 207305 | 20.729 | 97 | 50 - 200 | 0.0000 | +/-0.50 | |
| Blank (0040356-BLK1) | | | Lab File ID: N04102011.D | | | Analyzed: 04/10/20 16:25 | | | |
| Naphthalene-d8 (ISTD) | 257039 | 7.877 | 226507 | 7.877 | 113 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 154026 | 9.632 | 137641 | 9.632 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 284354 | 11.135 | 265671 | 11.136 | 107 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 247765 | 14.889 | 253703 | 14.895 | 98 | 50 - 200 | -0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 232214 | 18.351 | 246508 | 18.351 | 94 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 192845 | 20.729 | 207305 | 20.729 | 93 | 50 - 200 | 0.0000 | +/-0.50 | |
| LCS (0040356-BS1) | | | Lab File ID: N04102012.D | | | Analyzed: 04/10/20 16:57 | | | |
| Naphthalene-d8 (ISTD) | 262147 | 7.877 | 226507 | 7.877 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 158610 | 9.632 | 137641 | 9.632 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 295877 | 11.136 | 265671 | 11.136 | 111 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 264468 | 14.895 | 253703 | 14.895 | 104 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 254901 | 18.346 | 246508 | 18.351 | 103 | 50 - 200 | -0.0050 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 204978 | 20.73 | 207305 | 20.729 | 99 | 50 - 200 | 0.0010 | +/-0.50 | |
| Duplicate (0040356-DUP1) | | | Lab File ID: N04102014.D | | | Analyzed: 04/10/20 18:01 | | | |
| Naphthalene-d8 (ISTD) | 256338 | 7.877 | 226507 | 7.877 | 113 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 162543 | 9.632 | 137641 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 316302 | 11.141 | 265671 | 11.136 | 119 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 340249 | 14.895 | 253703 | 14.895 | 134 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 342134 | 18.351 | 246508 | 18.351 | 139 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 292996 | 20.729 | 207305 | 20.729 | 141 | 50 - 200 | 0.0000 | +/-0.50 | |

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D10041
 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 |
|---|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Matrix Spike (0040356-MS1) | | | Lab File ID: N04102015.D | | | Analyzed: 04/10/20 18:33 | | | |
| Naphthalene-d8 (ISTD) | 267688 | 7.883 | 226507 | 7.877 | 118 | 50 - 200 | 0.0060 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 165649 | 9.638 | 137641 | 9.632 | 120 | 50 - 200 | 0.0060 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 321384 | 11.141 | 265671 | 11.136 | 121 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 303179 | 14.895 | 253703 | 14.895 | 120 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 301913 | 18.351 | 246508 | 18.351 | 122 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 246200 | 20.729 | 207305 | 20.729 | 119 | 50 - 200 | 0.0000 | +/-0.50 | |
| Matrix Spike Dup (0040356-MSD1) | | | Lab File ID: N04102016.D | | | Analyzed: 04/10/20 19:04 | | | |
| Naphthalene-d8 (ISTD) | 275177 | 7.877 | 226507 | 7.877 | 121 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 171062 | 9.632 | 137641 | 9.632 | 124 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 331948 | 11.141 | 265671 | 11.136 | 125 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 314220 | 14.895 | 253703 | 14.895 | 124 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 311603 | 18.352 | 246508 | 18.351 | 126 | 50 - 200 | 0.0010 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 252516 | 20.73 | 207305 | 20.729 | 122 | 50 - 200 | 0.0010 | +/-0.50 | |
| Blank (0040357-BLK1) | | | Lab File ID: N04102017.D | | | Analyzed: 04/10/20 19:36 | | | |
| Naphthalene-d8 (ISTD) | 265116 | 7.883 | 226507 | 7.877 | 117 | 50 - 200 | 0.0060 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 162267 | 9.632 | 137641 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 312859 | 11.141 | 265671 | 11.136 | 118 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 288178 | 14.895 | 253703 | 14.895 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 280277 | 18.351 | 246508 | 18.351 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 232224 | 20.729 | 207305 | 20.729 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| LCS (0040357-BS1) | | | Lab File ID: N04102018.D | | | Analyzed: 04/10/20 20:07 | | | |
| Naphthalene-d8 (ISTD) | 277328 | 7.883 | 226507 | 7.877 | 122 | 50 - 200 | 0.0060 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 169852 | 9.632 | 137641 | 9.632 | 123 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 328714 | 11.141 | 265671 | 11.136 | 124 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 309215 | 14.895 | 253703 | 14.895 | 122 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 300825 | 18.351 | 246508 | 18.351 | 122 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 241477 | 20.73 | 207305 | 20.729 | 116 | 50 - 200 | 0.0010 | +/-0.50 | |
| PDI-077SC-A-03-04-191014 (A0D0212-01) | | | Lab File ID: N04102019.D | | | Analyzed: 04/10/20 20:39 | | | |
| Naphthalene-d8 (ISTD) | 246271 | 7.877 | 226507 | 7.877 | 109 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 153590 | 9.632 | 137641 | 9.632 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 302899 | 11.141 | 265671 | 11.136 | 114 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 323115 | 14.895 | 253703 | 14.895 | 127 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 321378 | 18.351 | 246508 | 18.351 | 130 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 265243 | 20.729 | 207305 | 20.729 | 128 | 50 - 200 | 0.0000 | +/-0.50 | |

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D10041
 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 |
|---|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Duplicate (0040357-DUP1) | | | Lab File ID: N04102020.D | | | Analyzed: 04/10/20 21:11 | | | |
| Naphthalene-d8 (ISTD) | 267426 | 7.877 | 226507 | 7.877 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 158487 | 9.632 | 137641 | 9.632 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 293285 | 11.135 | 265671 | 11.136 | 110 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 258289 | 14.895 | 253703 | 14.895 | 102 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 254877 | 18.346 | 246508 | 18.351 | 103 | 50 - 200 | -0.0050 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 196422 | 20.729 | 207305 | 20.729 | 95 | 50 - 200 | 0.0000 | +/-0.50 | |
| Matrix Spike (0040357-MS1) | | | Lab File ID: N04102021.D | | | Analyzed: 04/10/20 21:42 | | | |
| Naphthalene-d8 (ISTD) | 265304 | 7.877 | 226507 | 7.877 | 117 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 163525 | 9.632 | 137641 | 9.632 | 119 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 304571 | 11.141 | 265671 | 11.136 | 115 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 283790 | 14.895 | 253703 | 14.895 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 280349 | 18.351 | 246508 | 18.351 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 231605 | 20.729 | 207305 | 20.729 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| Matrix Spike Dup (0040357-MSD1) | | | Lab File ID: N04102022.D | | | Analyzed: 04/10/20 22:13 | | | |
| Naphthalene-d8 (ISTD) | 266890 | 7.883 | 226507 | 7.877 | 118 | 50 - 200 | 0.0060 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 160664 | 9.632 | 137641 | 9.632 | 117 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 303056 | 11.141 | 265671 | 11.136 | 114 | 50 - 200 | 0.0050 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 282196 | 14.895 | 253703 | 14.895 | 111 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 282023 | 18.351 | 246508 | 18.351 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 228545 | 20.729 | 207305 | 20.729 | 110 | 50 - 200 | 0.0000 | +/-0.50 | |

INTERNAL STANDARD AREA AND RT 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

Sequence: 0D13031

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

| Internal Standard | Response | RT | Reference Response | Reference RT | Area % | Area % Limits | RT Diff | RT Diff Limit | Q |
|--|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| Calibration Check (0D13031-CCV1) | | | Lab File ID: N04132002.D | | | Analyzed: 04/13/20 08:40 | | | |
| Naphthalene-d8 (ISTD) | 225671 | 7.877 | 265079 | 7.906 | 85 | 50 - 200 | -0.0290 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 134953 | 9.632 | 146492 | 9.661 | 92 | 50 - 200 | -0.0290 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 252632 | 11.136 | 242013 | 11.165 | 104 | 50 - 200 | -0.0290 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 243182 | 14.895 | 238949 | 14.947 | 102 | 50 - 200 | -0.0520 | +/-0.50 | |
| Perylene-d12 (ISTD) | 241609 | 18.351 | 233103 | 18.41 | 104 | 50 - 200 | -0.0590 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 188577 | 20.735 | 190743 | 20.794 | 99 | 50 - 200 | -0.0590 | +/-0.50 | |
| Calibration Blank (0D13031-CCB2) | | | Lab File ID: N04132004.D | | | Analyzed: 04/13/20 09:44 | | | |
| Naphthalene-d8 (ISTD) | 261439 | 7.877 | 225671 | 7.877 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 159304 | 9.632 | 134953 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 315835 | 11.136 | 252632 | 11.136 | 125 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 319199 | 14.895 | 243182 | 14.895 | 131 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 306800 | 18.351 | 241609 | 18.351 | 127 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 260276 | 20.73 | 188577 | 20.735 | 138 | 50 - 200 | -0.0050 | +/-0.50 | |
| PDI-077SC-A-05-06-191014 (A0D0212-03) | | | Lab File ID: N04132006.D | | | Analyzed: 04/13/20 10:48 | | | |
| Naphthalene-d8 (ISTD) | 270689 | 7.877 | 225671 | 7.877 | 120 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 158810 | 9.632 | 134953 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 295158 | 11.136 | 252632 | 11.136 | 117 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 283619 | 14.895 | 243182 | 14.895 | 117 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 296110 | 18.351 | 241609 | 18.351 | 123 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 237808 | 20.729 | 188577 | 20.735 | 126 | 50 - 200 | -0.0060 | +/-0.50 | |
| PDI-077SC-A-06-07-191014 (A0D0212-04) | | | Lab File ID: N04132007.D | | | Analyzed: 04/13/20 11:20 | | | |
| Naphthalene-d8 (ISTD) | 258836 | 7.877 | 225671 | 7.877 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 158101 | 9.632 | 134953 | 9.632 | 117 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 293003 | 11.136 | 252632 | 11.136 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 278289 | 14.895 | 243182 | 14.895 | 114 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 292569 | 18.352 | 241609 | 18.351 | 121 | 50 - 200 | 0.0010 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 231513 | 20.73 | 188577 | 20.735 | 123 | 50 - 200 | -0.0050 | +/-0.50 | |
| PDI-077SC-A-07-08-191014 (A0D0212-05) | | | Lab File ID: N04132008.D | | | Analyzed: 04/13/20 11:52 | | | |
| Naphthalene-d8 (ISTD) | 259908 | 7.877 | 225671 | 7.877 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 159181 | 9.632 | 134953 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 293408 | 11.136 | 252632 | 11.136 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 279632 | 14.895 | 243182 | 14.895 | 115 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 296514 | 18.351 | 241609 | 18.351 | 123 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 233859 | 20.729 | 188577 | 20.735 | 124 | 50 - 200 | -0.0060 | +/-0.50 | |

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0D13031
 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 |
|---|----------|--------|--------------------------|--------------|--------|--------------------------|---------|---------------|---|
| PDI-077SC-A-08-09-191014 (A0D0212-06) | | | Lab File ID: N04132009.D | | | Analyzed: 04/13/20 12:24 | | | |
| Naphthalene-d8 (ISTD) | 267295 | 7.877 | 225671 | 7.877 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 159465 | 9.632 | 134953 | 9.632 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 282524 | 11.135 | 252632 | 11.136 | 112 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 260417 | 14.889 | 243182 | 14.895 | 107 | 50 - 200 | -0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 269499 | 18.345 | 241609 | 18.351 | 112 | 50 - 200 | -0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 214252 | 20.729 | 188577 | 20.735 | 114 | 50 - 200 | -0.0060 | +/-0.50 | |
| PDI-077SC-A-09-10-191014 (A0D0212-07) | | | Lab File ID: N04132010.D | | | Analyzed: 04/13/20 12:56 | | | |
| Naphthalene-d8 (ISTD) | 265947 | 7.877 | 225671 | 7.877 | 118 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 156697 | 9.632 | 134953 | 9.632 | 116 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 282748 | 11.135 | 252632 | 11.136 | 112 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 266931 | 14.889 | 243182 | 14.895 | 110 | 50 - 200 | -0.0060 | +/-0.50 | |
| Perylene-d12 (ISTD) | 272062 | 18.345 | 241609 | 18.351 | 113 | 50 - 200 | -0.0060 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 221788 | 20.729 | 188577 | 20.735 | 118 | 50 - 200 | -0.0060 | +/-0.50 | |
| PDI-077SC-A-10-11-191014 (A0D0212-08) | | | Lab File ID: N04132018.D | | | Analyzed: 04/13/20 17:14 | | | |
| Naphthalene-d8 (ISTD) | 252970 | 7.877 | 225671 | 7.877 | 112 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 176826 | 9.632 | 134953 | 9.632 | 131 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 345078 | 11.136 | 252632 | 11.136 | 137 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 368059 | 14.895 | 243182 | 14.895 | 151 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 381433 | 18.351 | 241609 | 18.351 | 158 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 317119 | 20.735 | 188577 | 20.735 | 168 | 50 - 200 | 0.0000 | +/-0.50 | |
| PDI-077SC-A-11-12-191014 (A0D0212-09) | | | Lab File ID: N04132019.D | | | Analyzed: 04/13/20 17:47 | | | |
| Naphthalene-d8 (ISTD) | 291516 | 7.877 | 225671 | 7.877 | 129 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 184305 | 9.632 | 134953 | 9.632 | 137 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 350094 | 11.136 | 252632 | 11.136 | 139 | 50 - 200 | 0.0000 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 330636 | 14.895 | 243182 | 14.895 | 136 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 332457 | 18.351 | 241609 | 18.351 | 138 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 272054 | 20.729 | 188577 | 20.735 | 144 | 50 - 200 | -0.0060 | +/-0.50 | |
| PDI-077SC-A-04-05-191014 (A0D0212-02RE1) | | | Lab File ID: N04132020.D | | | Analyzed: 04/13/20 18:19 | | | |
| Naphthalene-d8 (ISTD) | 275517 | 7.877 | 225671 | 7.877 | 122 | 50 - 200 | 0.0000 | +/-0.50 | |
| Acenaphthene-d10 (ISTD) | 173526 | 9.632 | 134953 | 9.632 | 129 | 50 - 200 | 0.0000 | +/-0.50 | |
| Phenanthrene-d10 (ISTD) | 331898 | 11.135 | 252632 | 11.136 | 131 | 50 - 200 | -0.0010 | +/-0.50 | |
| Chrysene-d12 (ISTD) | 325345 | 14.895 | 243182 | 14.895 | 134 | 50 - 200 | 0.0000 | +/-0.50 | |
| Perylene-d12 (ISTD) | 332773 | 18.351 | 241609 | 18.351 | 138 | 50 - 200 | 0.0000 | +/-0.50 | |
| Dibenz(a,h)anthracene-d14 (ISTD) | 273317 | 20.729 | 188577 | 20.735 | 145 | 50 - 200 | -0.0060 | +/-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-077SC-A-03-04-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:19 | 178.95 | 14.00 | 04/10/20 20:39 | 0.56 | 40.00 | * |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:18 | 178.95 | 14.00 | 04/13/20 18:19 | 3.46 | 40.00 | * |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:18 | 178.95 | 14.00 | 04/13/20 10:48 | 3.15 | 40.00 | * |
| PDI-077SC-A-06-07-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:18 | 178.95 | 14.00 | 04/13/20 11:20 | 3.17 | 40.00 | * |
| PDI-077SC-A-07-08-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:22 | 178.95 | 14.00 | 04/13/20 11:52 | 3.19 | 40.00 | * |
| PDI-077SC-A-08-09-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:19 | 178.95 | 14.00 | 04/13/20 12:24 | 3.21 | 40.00 | * |
| PDI-077SC-A-09-10-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:19 | 178.95 | 14.00 | 04/13/20 12:56 | 3.23 | 40.00 | * |
| PDI-077SC-A-10-11-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:19 | 178.95 | 14.00 | 04/13/20 17:14 | 3.41 | 40.00 | * |
| PDI-077SC-A-11-12-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/10/20 07:19 | 178.95 | 14.00 | 04/13/20 17:47 | 3.44 | 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 C

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|-----------------|
| <u>PDI-077SC-A-03-04-191014</u> | <u>A0D0212-01</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-04-05-191014</u> | <u>A0D0212-02</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-05-06-191014</u> | <u>A0D0212-03</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-06-07-191014</u> | <u>A0D0212-04</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-07-08-191014</u> | <u>A0D0212-05</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-08-09-191014</u> | <u>A0D0212-06</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-09-10-191014</u> | <u>A0D0212-07</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-10-11-191014</u> | <u>A0D0212-08</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-11-12-191014</u> | <u>A0D0212-09</u> | <u>Sediment</u> |

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

5/4/2020 12:48PM

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-077SC-A-04-05-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-02

File ID: 0D17045.txt-041

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 01:13

Solids: 51.54

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 2.3 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-077SC-A-05-06-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-03

File ID: 0D17045.txt-042

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 01:24

Solids: 62.06

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 2.7 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-077SC-A-06-07-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-04

File ID: 0D17045.txt-043

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 01:34

Solids: 61.82

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 2.6 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-077SC-A-07-08-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-05

File ID: 0D17045.txt-044

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 01:45

Solids: 60.27

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 3.9 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-077SC-A-08-09-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-06

File ID: 0D17045.txt-045

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 01:56

Solids: 62.83

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 2.8 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-077SC-A-10-11-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-08

File ID: 0D17045.txt-047

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 02:18

Solids: 76.73

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.059 | 1 | | SM 5310 B MOD |

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

| |
|--------------------------|
| PDI-077SC-A-11-12-191014 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-09

File ID: 0D17045.txt-048

Sampled: 10/14/19 08:36

Prepared: 04/14/20 13:18

Analyzed: 04/18/20 02:29

Solids: 76.46

Preparation: PSEP-5310B TOC

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

Batch: 0040469

Sequence: 0D17045

Calibration: A0A0805

Instrument: TOC6

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|----------------------|--------------------------------|--------------------|---|---------------|
| TOC | Total Organic Carbon | 0.048 | 1 | | 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 Cc

Batch: 0040469 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-----------------|----------------|--------------|
| Blank | 0040469-BLK1 | 0D17045.txt-022 | 04/14/20 13:18 | |
| LCS | 0040469-BS1 | 0D17045.txt-023 | 04/14/20 13:18 | |
| PDI-077SC-A-03-04-191014 (Dup) | 0040469-DUP1 | 0D17045.txt-037 | 04/14/20 13:18 | |
| PDI-077SC-A-03-04-191014 (Dup) | 0040469-DUP2 | 0D17045.txt-038 | 04/14/20 13:18 | |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | 0D17045.txt-036 | 04/14/20 13:18 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | 0D17045.txt-041 | 04/14/20 13:18 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | 0D17045.txt-042 | 04/14/20 13:18 | |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | 0D17045.txt-043 | 04/14/20 13:18 | |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | 0D17045.txt-044 | 04/14/20 13:18 | |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | 0D17045.txt-045 | 04/14/20 13:18 | |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | 0D17045.txt-046 | 04/14/20 13:18 | |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | 0D17045.txt-047 | 04/14/20 13:18 | |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | 0D17045.txt-048 | 04/14/20 13:18 | |

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
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>0040469-BLK1</u> | File ID: <u>0D17045.txt-022</u> | |
| Prepared: <u>04/14/20 13:18</u> | Preparation: <u>PSEP-5310B TOC</u> | Initial/Final: <u>0.2 N/A / 0.2 N/A</u> | |
| Analyzed: <u>04/17/20 21:48</u> | Instrument: <u>TOC6</u> | | |
| Batch: <u>0040469</u> | Sequence: <u>0D17045</u> | Calibration: <u>A0A0805</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: 0040469

Laboratory ID: 0040469-BS1

Preparation: PSEP-5310B TOC

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

| COMPOUND | SPIKE ADDED (mg/kg) | LCS CONCENTRATION (mg/kg) | LCS % REC. (* = Out) | QC LIMITS REC. |
|----------------------|---------------------------|---------------------------------|----------------------------|----------------------|
| Total Organic Carbon | 10000 | 9500 | 95 | 90 - 110 |

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-077SC-A-03-04-191014

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Matrix: Soil
 Batch: 0040469
 Preparation: PSEP-5310B TOC
 Source Sample Name: PDI-077SC-A-03-04-191014

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
 Laboratory ID: 0040469-DUP1
 Lab Source ID: A0D0212-01
 Initial/Final: 0.2 N/A / 0.2 N/A
 % Solids: 56.71

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 20 | 2.0 | | 2.0 | | 0.6 | | SM 5310 B MOD |

* Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-077SC-A-03-04-191014

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: 0040469-DUP2

Batch: 0040469

Lab Source ID: A0D0212-01

Preparation: PSEP-5310B TOC

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

Source Sample Name: PDI-077SC-A-03-04-191014

% Solids: 56.71

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|----------------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|---------------|
| Total Organic Carbon | 20 | 2.0 | | 2.0 | | 2 | | 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: 0A08052

Instrument: TOC6

Matrix: Soil

Calibration: A0A0805

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------------|---------------|-----------------|--------------------|
| Cal Standard | 0A08052-CAL2 | 0A08052.txt-005 | 01/08/20 18:59 |
| Cal Standard | 0A08052-CAL3 | 0A08052.txt-006 | 01/08/20 19:09 |
| Cal Standard | 0A08052-CAL4 | 0A08052.txt-007 | 01/08/20 19:20 |
| Cal Standard | 0A08052-CAL5 | 0A08052.txt-008 | 01/08/20 19:31 |
| Cal Standard | 0A08052-CAL6 | 0A08052.txt-009 | 01/08/20 19:42 |
| Cal Standard | 0A08052-CAL7 | 0A08052.txt-010 | 01/08/20 19:53 |
| Cal Standard | 0A08052-CAL8 | 0A08052.txt-011 | 01/08/20 20:03 |
| Cal Standard | 0A08052-CAL9 | 0A08052.txt-012 | 01/08/20 20:14 |
| Initial Cal Check | 0A08052-ICV1 | 0A08052.txt-014 | 01/08/20 20:36 |
| Initial Cal Blank | 0A08052-ICB1 | 0A08052.txt-015 | 01/08/20 20:47 |

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

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>0D17045</u> | Instrument: <u>TOC6</u> |
| Matrix: <u>Soil</u> | Calibration: <u>A0A0805</u> |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|--------------------------------|---------------|-----------------|--------------------|
| Calibration Check | 0D17045-CCV1 | 0D17045.txt-003 | 04/17/20 18:22 |
| Calibration Blank | 0D17045-CCB1 | 0D17045.txt-004 | 04/17/20 18:33 |
| Calibration Check | 0D17045-CCV2 | 0D17045.txt-015 | 04/17/20 20:32 |
| Calibration Blank | 0D17045-CCB2 | 0D17045.txt-016 | 04/17/20 20:43 |
| Blank | 0040469-BLK1 | 0D17045.txt-022 | 04/17/20 21:48 |
| LCS | 0040469-BS1 | 0D17045.txt-023 | 04/17/20 21:58 |
| Calibration Check | 0D17045-CCV3 | 0D17045.txt-027 | 04/17/20 22:41 |
| Calibration Blank | 0D17045-CCB3 | 0D17045.txt-028 | 04/17/20 22:52 |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | 0D17045.txt-036 | 04/18/20 00:19 |
| PDI-077SC-A-03-04-191014 (Dup) | 0040469-DUP1 | 0D17045.txt-037 | 04/18/20 00:29 |
| PDI-077SC-A-03-04-191014 (Dup) | 0040469-DUP2 | 0D17045.txt-038 | 04/18/20 00:40 |
| Calibration Check | 0D17045-CCV4 | 0D17045.txt-039 | 04/18/20 00:51 |
| Calibration Blank | 0D17045-CCB4 | 0D17045.txt-040 | 04/18/20 01:02 |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | 0D17045.txt-041 | 04/18/20 01:13 |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | 0D17045.txt-042 | 04/18/20 01:24 |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | 0D17045.txt-043 | 04/18/20 01:34 |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | 0D17045.txt-044 | 04/18/20 01:45 |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | 0D17045.txt-045 | 04/18/20 01:56 |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | 0D17045.txt-046 | 04/18/20 02:07 |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | 0D17045.txt-047 | 04/18/20 02:18 |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | 0D17045.txt-048 | 04/18/20 02:29 |
| Calibration Check | 0D17045-CCV5 | 0D17045.txt-049 | 04/18/20 02:40 |
| Calibration Blank | 0D17045-CCB5 | 0D17045.txt-050 | 04/18/20 02:50 |

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

INITIAL CALIBRATION DATA (Summary)

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: AOA0805

Date: 01/08/20 16:30

Instrument: TOC6

| Compound | Mean RF | FIT | RF RSD | Mean RT | RT RSD | Linear r | Quad COD | LIMIT | Q |
|----------------------|----------|-----|----------|---------|--------|----------|----------|-------|---|
| Total Organic Carbon | 107.0509 | Lin | 3.685489 | | | 0.99994 | | | |

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

INITIAL CALIBRATION DATA (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: AOA0805

Instrument: TOC6

Matrix:

Calibration Date: 01/08/20 16:30

| 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 | 106.7626 | 50000 | 104.9773 | | | | | | | | |

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: A0A0805

Control Limit: +/- 10.00%

Sequence: 0A08052

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|----------------------|-------|-------|-----|-------|---------------|
| 0A08052-ICV1 | Total Organic Carbon | 10000 | 10000 | 100 | 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: A0A0805

Control Limit: +/- 10.00%

Sequence: 0D17045

| Lab Sample ID | Analyte | True | Found | %R | Units | Method |
|---------------|----------------------|-------|-------|----|-------|---------------|
| 0D17045-CCV1 | Total Organic Carbon | 10000 | 9500 | 95 | mg/kg | SM 5310 B MOD |
| 0D17045-CCV2 | Total Organic Carbon | 10000 | 9500 | 95 | mg/kg | SM 5310 B MOD |
| 0D17045-CCV3 | Total Organic Carbon | 10000 | 9700 | 97 | mg/kg | SM 5310 B MOD |
| 0D17045-CCV4 | Total Organic Carbon | 10000 | 9700 | 97 | mg/kg | SM 5310 B MOD |
| 0D17045-CCV5 | Total Organic Carbon | 10000 | 9800 | 98 | mg/kg | SM 5310 B MOD |

* Values outside of QC 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: 0A08052

Calibration: A0A0805

| Lab Sample ID | Analyte | Found | RL | Units | C | Method |
|----------------------|----------------------|--------------|------------|--------------|----------|---------------|
| 0A08052-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: 0D17045

Calibration: A0A0805

| Lab Sample ID | Analyte | Found | RL | Units | C | Method |
|----------------------|----------------------|--------------|------------|--------------|----------|---------------|
| 0D17045-CCB1 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0D17045-CCB2 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0D17045-CCB3 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0D17045-CCB4 | Total Organic Carbon | ND | 200 (Inst) | mg/kg | | SM 5310 B MOD |
| 0D17045-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-077SC-A-03-04-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 00:19 | 186.66 | 28.00 | * |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 01:13 | 186.69 | 28.00 | * |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 01:24 | 186.70 | 28.00 | * |
| PDI-077SC-A-06-07-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 01:34 | 186.71 | 28.00 | * |
| PDI-077SC-A-07-08-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 01:45 | 186.72 | 28.00 | * |
| PDI-077SC-A-08-09-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 01:56 | 186.72 | 28.00 | * |
| PDI-077SC-A-09-10-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 02:07 | 186.73 | 28.00 | * |
| PDI-077SC-A-10-11-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 02:18 | 186.74 | 28.00 | * |
| PDI-077SC-A-11-12-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 13:18 | 183.20 | 28.00 | 04/18/20 02:29 | 186.75 | 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 C

| Client Sample Id: | Lab Sample Id: | Matrix |
|---------------------------------|-----------------------|-----------------|
| <u>PDI-077SC-A-03-04-191014</u> | <u>A0D0212-01</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-04-05-191014</u> | <u>A0D0212-02</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-05-06-191014</u> | <u>A0D0212-03</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-06-07-191014</u> | <u>A0D0212-04</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-07-08-191014</u> | <u>A0D0212-05</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-08-09-191014</u> | <u>A0D0212-06</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-09-10-191014</u> | <u>A0D0212-07</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-10-11-191014</u> | <u>A0D0212-08</u> | <u>Sediment</u> |
| <u>PDI-077SC-A-11-12-191014</u> | <u>A0D0212-09</u> | <u>Sediment</u> |

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

Signature:



Name:

David G. Jack

Forms Created:

5/4/2020 12:48PM

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-077SC-A-03-04-191014 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-01

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 56.71

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 56.7 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-04-05-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-02

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 51.54

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 51.5 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-05-06-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-03

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 62.06

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 62.1 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

| |
|--------------------------|
| PDI-077SC-A-06-07-191014 |
|--------------------------|

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-04

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 61.82

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 61.8 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-07-08-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-05

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 60.27

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 60.3 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-08-09-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-06

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 62.83

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 62.8 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-09-10-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-07

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 77.81

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 77.8 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-10-11-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-08

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 76.73

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 76.7 | 1 | | SM 2540 G |

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-077SC-A-11-12-191014

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A0D0212-09

Sampled: 10/14/19 08:36

Prepared: 04/14/20 11:06

Analyzed: 04/17/20 16:03

Solids: 76.46

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0040460

Calibration:

Instrument: Wet Chem Balance 1

| CAS NO. | Analyte | Concentration (% by Weight) | Dilution Factor | Q | Method |
|---------|--------------|--------------------------------|--------------------|---|-----------|
| TS | Total Solids | 76.5 | 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 Cc

Batch: 0040460

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

| SAMPLE NAME | LAB SAMPLE ID | LAB FILE ID | DATE PREPARED | OBSERVATIONS |
|--------------------------------|---------------|-------------|----------------|--------------|
| PDI-077SC-A-03-04-191014 (Dup) | 0040460-DUP1 | | 04/14/20 11:06 | |
| PDI-077SC-A-03-04-191014 | A0D0212-01 | | 04/14/20 11:06 | |
| PDI-077SC-A-04-05-191014 | A0D0212-02 | | 04/14/20 11:06 | |
| PDI-077SC-A-05-06-191014 | A0D0212-03 | | 04/14/20 11:06 | |
| PDI-077SC-A-06-07-191014 | A0D0212-04 | | 04/14/20 11:06 | |
| PDI-077SC-A-07-08-191014 | A0D0212-05 | | 04/14/20 11:06 | |
| PDI-077SC-A-08-09-191014 | A0D0212-06 | | 04/14/20 11:06 | |
| PDI-077SC-A-09-10-191014 | A0D0212-07 | | 04/14/20 11:06 | |
| PDI-077SC-A-10-11-191014 | A0D0212-08 | | 04/14/20 11:06 | |
| PDI-077SC-A-11-12-191014 | A0D0212-09 | | 04/14/20 11:06 | |

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-077SC-A-03-04-191014

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: 0040460-DUP1

Batch: 0040460

Lab Source ID: A0D0212-01

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: PDI-077SC-A-03-04-191014

% Solids: 56.71

| ANALYTE | CONTROL LIMIT | SAMPLE CONCENTRATION (% by Weight) | C | DUPLICATE CONCENTRATION (% by Weight) | C | RPD % | Q | METHOD |
|--------------|---------------|------------------------------------|---|---------------------------------------|---|-------|---|-----------|
| Total Solids | 10 | 56.7 | | 56.4 | | 0.5 | | SM 2540 G |

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

| Sample Name | Date Collected | Date Received | Date Prepared | Days to Prep | Max Days to Prep | Date Analyzed | Days to Analysis | Max Days to Analysis | Q |
|--------------------------|-------------------|-------------------|-------------------|--------------|------------------|-------------------|------------------|----------------------|---|
| PDI-077SC-A-03-04-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-04-05-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-05-06-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-06-07-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-07-08-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-08-09-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-09-10-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-10-11-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |
| PDI-077SC-A-11-12-191014 | 10/14/19 08:36 | 10/15/19 10:10 | 04/14/20 11:06 | 183.10 | 180.00 | 04/17/20 16:03 | 3.21 | | * |

Raw Data

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

Batch 0040376
Sequence 0D13025 (A0D0212-02,03,04,05)



Apex Laboratories
PREPARATION BENCH SHEET

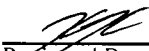
APR 22 2020

BATCH #: 0040376 (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 |
| | 0040376-BLK1 | QC | 04/10/20 10:37 | 31 | 2 | | | | 100 | | | | | |
| | 0040376-BS1 | QC | 04/10/20 10:37 | 30 | 2 | A20C487 | | 100 | 100 | | | | | |
| | A0D0196-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.43 | 2 | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP, +1262,1268 | | | |
| | 0040376-DUP1 | QC | 04/10/20 10:37 | 30.52 | 2 | | A0D0196-01 | | 100 | | | | | |
| | 0040376-MS1 | QC | 04/10/20 10:37 | 30.32 | 2 | A20C487 | A0D0196-01 | 100 | 100 | | | | | |
| | 0040376-MSD1 | QC | 04/10/20 10:37 | 30.43 | 2 | A20C487 | A0D0196-01 | 100 | 100 | | | | | |
| | A0D0196-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.27 | 2 | | | | 100 | PDI-047SC-A-05-06-191001 | +1262,1268 | | | |
| | A0D0196-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.36 | 2 | | | | 100 | PDI-047SC-A-06-07-191001 | +1262,1268 | | | |
| | A0D0196-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.65 | 2 | | | | 100 | PDI-047SC-A-07-08-191001 | +1262,1268 | | | |
| | A0D0205-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.36 | 2 | | | | 100 | PDI-049SC-A-08-09-191015 | +1262,1268 | | | |
| | A0D0205-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.53 | 2 | | | | 100 | PDI-049SC-A-09-10-191015 | +1262,1268 | | | |
| | A0D0205-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.44 | 2 | | | | 100 | PDI-049SC-A-10-11-191015 | +1262,1268 | | | |
| | A0D0205-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.44 | 2 | | | | 100 | PDI-049SC-A-11-12-191015 | +1262,1268 | | | |
| | A0D0207-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.47 | 2 | | | | 100 | PDI-057SC-A-09-10-191023 | +1262,1268 | | | |
| | A0D0207-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.22 | 2 | | | | 100 | PDI-057SC-A-10-11-191023 | +1262,1268 | | | |
| | A0D0207-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.51 | 2 | | | | 100 | PDI-057SC-A-11-12-191023 | +1262,1268 | | | |
| | A0D0207-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.21 | 2 | | | | 100 | PDI-057SC-A-12-13-191023 | +1262,1268 | | | |
| | A0D0207-05 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.47 | 2 | | | | 100 | PDI-062SC-A-11-12-191023 | +1262,1268 | | | |
| | A0D0207-06 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.22 | 2 | | | | 100 | PDI-062SC-A-12-13-191023 | +1262,1268 | | | |
| | A0D0210-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.73 | 2 | | | | 100 | PDI-076SC-A-06-07-191013 | +1262,1268 | | | |

Prepared By: _____ Date _____


 Reviewed By: _____ Date 4/20/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040376 (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 |
| | A0D0210-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.6 | 2 | | | | 100 | PDI-076SC-A-07-08-191013 | +1262,1268 | | | |
| | A0D0212-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.9 | 2 | | | | 100 | PDI-077SC-A-04-05-191014 | +1262,1268 | | | |
| | A0D0212-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.64 | 2 | | | | 100 | PDI-077SC-A-05-06-191014 | +1262,1268 | | | |
| | A0D0212-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.18 | 2 | | | | 100 | PDI-077SC-A-06-07-191014 | +1262,1268 | | | |
| | A0D0212-05 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.68 | 2 | | | | 100 | PDI-077SC-A-07-08-191014 | +1262,1268 | | | |

Standards/Reagents

Reagent(s)

| Std ID | Exp. Date | Description |
|---------|-----------|-------------------------------|
| A13L219 | 11/30/23 | Extractions Balance |
| A18K311 | 12/31/20 | Glass Wool |
| A19C104 | 09/03/23 | Florisil Lot 817211-CM |
| A19G279 | 01/18/22 | Sulfuric Acid |
| A19I211 | 05/07/22 | Copper, Granular Lot# J260003 |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US |

Analyte Spike(s)

| Std ID | Exp. Date | Description |
|---------|-----------|-----------------------|
| A20C487 | 08/24/20 | 8082 PCB Matrix Spike |

Surrogate(s)

| Std ID | Exp. Date | Description |
|---------|-----------|--------------------------|
| A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040376 (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 | |
| 1/2 | 0040376-BLK1 | QC | 04/10/20 10:37 | 30 31 | 2 ✓ | | | | 100 | | | | | | |
| 3/4 | 0040376-BS1 | QC | 04/10/20 10:37 | 30 | 2 ✓ | A20C487 | | 100 | 100 | | | | | | |
| 5/6 | A0D0196-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.43 | 2 ✓ | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP, +1262,1268 dirt | | | | |
| 7/8 | 0040376-DUP1 | QC | 04/10/20 10:37 | 30 30.52 | 2 ✓ | | A0D0196-01 | | 100 | | | | | | |
| 9/10 | 0040376-MS1 | QC | 04/10/20 10:37 | 30 30.32 | 2 ✓ | A20C487 | A0D0196-01 | 100 | 100 | | | | | | |
| 11/12 | 0040376-MSD1 | QC | 04/10/20 10:37 | 30 30.43 | 2 ✓ | A20C487 | A0D0196-01 | 100 | 100 | | | | | | |
| 13/14 | A0D0196-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.27 | 2 ✓ | | | | 100 | PDI-047SC-A-05-06-191001 | +1262,1268 dirt | | | | |
| 15/16 | A0D0196-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.2 | 2 ✓ | | | | 100 | PDI-047SC-A-06-07-191001 | +1262,1268 dirt | | | | |
| 17/18 | A0D0196-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.65 | 2 ✓ | | | | 100 | PDI-047SC-A-07-08-191001 | +1262,1268 dirt | | | | |
| 19/20 | A0D0205-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.36 | 2 ✓ | | | | 100 | PDI-049SC-A-08-09-191015 | +1262,1268 Mud | | | | |
| 21/22 | A0D0205-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.53 | 2 ✓ | | | | 100 | PDI-049SC-A-09-10-191015 | +1262,1268 dirt | | | | |
| 23/24 | A0D0205-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.44 | 2 ✓ | | | | 100 | PDI-049SC-A-10-11-191015 | +1262,1268 dirt | | | | |
| 25/26 | A0D0205-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.44 | 2 ✓ | | | | 100 | PDI-049SC-A-11-12-191015 | +1262,1268 Mud water | | | | |
| 27/28 | A0D0207-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.47 | 2 ✓ | | | | 100 | PDI-057SC-A-09-10-191023 | +1262,1268 dirt | | | | |
| 29/30 | A0D0207-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.22 | 2 ✓ | | | | 100 | PDI-057SC-A-10-11-191023 | +1262,1268 Mud | | | | |
| 31/32 | A0D0207-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.51 | 2 ✓ | | | | 100 | PDI-057SC-A-11-12-191023 | +1262,1268 dirt | | | | |
| 33/34 | A0D0207-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.21 | 2 ✓ | | | | 100 | PDI-057SC-A-12-13-191023 | +1262,1268 Mud | | | | |
| 35/36 | A0D0207-05 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.47 | 2 ✓ | | | | 100 | PDI-062SC-A-11-12-191023 | +1262,1268 dirt | | | | |
| 37/38 | A0D0207-06 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.22 | 2 ✓ | | | | 100 | PDI-062SC-A-12-13-191023 | +1262,1268 dirt | | | | |
| 39/40 | A0D0210-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30 30.73 | 2 ✓ | | | | 100 | PDI-076SC-A-06-07-191013 | +1262,1268 Mud odor | | | | |

Prepared By: CAH Date: 4/10/20
 Reviewed By: CAS Date: 04/10/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0040376 (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 | 8 | >11 |
| 44/42 | A0D0210-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.60 | 2 | | | | 100 | PDI-076SC-A-07-08-191013 +1262,1268 | * Mud | | | |
| 42/43 | A0D0212-02 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.90 | 2 | | | | 100 | PDI-077SC-A-04-05-191014 +1262,1268 | * Mud | | | |
| 44/45 | A0D0212-03 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.64 | 2 | | | | 100 | PDI-077SC-A-05-06-191014 +1262,1268 | * Mud | | | |
| 43/48 | A0D0212-04 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.18 | 2 | | | | 100 | PDI-077SC-A-06-07-191014 +1262,1268 | * Mud | | | |
| 43/49 | A0D0212-05 | A 8082 PCBs - Low Level (30g/2mL) | 04/10/20 10:37 | 30.68 | 2 | | | | 100 | PDI-077SC-A-07-08-191014 +1262,1268 | * Mud | | | |

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 | A20C487 | 08/24/20 | 8082 PCB Matrix Spike | A20C130 | 09/06/20 | 8082 PCB Surrogate Spike |
| A18K311 | 12/31/20 | Glass Wool | | | | A20C363 | 04/06/20/20 | 5052 PCB Surr. |
| A19C104 | 09/03/23 | Florisil Lot 817211-CM | | | | | | |
| A19G279 | 01/18/22 | Sulfuric Acid | | | | | | |
| A19I211 | 05/07/22 | Copper, Granular Lot# J260003 | | | | | | |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: AMH

Witness: AMH 4/10/20

* = Staining. On Turbo Vap

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13025**

Instrument: **DUALECD2R**

Date: **04/13/20 06:16**

Calibration: **A0D1002**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|----------|---------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D13025-CCV1 | Sediment | QC | QC | | | | A20C132 |
| 2 | 0D13025-CCB1 | Sediment | QC | QC | | | | A20C404 |
| 3 | 0040376-BLK1 | Sediment | QC | QC | | 0040376 | | |
| 4 | 0040376-BS1 | Sediment | QC | QC | | 0040376 | | |
| 5 | A0D0196-01 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 6 | 0D13025-IBL1 | Sediment | QC | QC | | | | |
| 7 | 0040376-DUP1 | Sediment | QC | QC | | 0040376 | | |
| 8 | 0D13025-IBL2 | Sediment | QC | QC | | | | |
| 9 | 0040376-MS1 | Sediment | QC | QC | | 0040376 | | |
| 10 | 0D13025-IBL3 | Sediment | QC | QC | | | | |
| 11 | 0040376-MSD1 | Sediment | QC | QC | | 0040376 | | |
| 12 | 0D13025-IBL4 | Sediment | QC | QC | | | | |
| 13 | A0D0196-02 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 14 | 0D13025-IBL5 | Sediment | QC | QC | | | | |
| 15 | A0D0196-03 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 16 | 0D13025-IBL6 | Sediment | QC | QC | | | | |
| 17 | 0D13025-CCV2 | Sediment | QC | QC | | | | A20C132 |
| 18 | 0D13025-CCB2 | Sediment | QC | QC | | | | A20C404 |
| 19 | A0D0207-05 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 20 | 0D13025-IBL7 | Sediment | QC | QC | | | | |
| 21 | A0D0207-06 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 22 | 0D13025-IBL8 | Sediment | QC | QC | | | | |
| 23 | A0D0210-01 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 24 | 0D13025-IBL9 | Sediment | QC | QC | | | | |
| 25 | A0D0210-02 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 26 | 0D13025-IBLA | Sediment | QC | QC | | | | |
| 27 | A0D0212-02 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 28 | 0D13025-IBLB | Sediment | QC | QC | | | | |
| 29 | A0D0212-03 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 30 | 0D13025-IBLC | Sediment | QC | QC | | | | |
| 31 | A0D0212-04 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 32 | 0D13025-IBLD | Sediment | QC | QC | | | | |
| 33 | A0D0212-05 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 34 | 0D13025-IBLE | Sediment | QC | QC | | | | |
| 35 | 0D13025-CCV3 | Sediment | QC | QC | | | | A20C132 |
| 36 | 0D13025-CCB3 | Sediment | QC | QC | | | | A20C404 |

Data Entered By: *[Signature]* 4/20/20

Comments: *Complete*

Data Reviewed By: *[Signature]* 4/20/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13025**

Instrument: **DUALECD2R**

Date: **04/13/20 06:16**

Calibration: **A0D1002**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|----------|---------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D13025-CCV1 | Sediment | QC | QC | | | | A20C132 |
| 2 | 0D13025-CCB1 | Sediment | QC | QC | | | | A20C404 |
| 3 | 0040376-BLK1 | Sediment | QC | QC | | 0040376 | | |
| 4 | 0040376-BS1 | Sediment | QC | QC | | 0040376 | | |
| 5 | A0D0196-01 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 6 | 0D13025-IBL1 | Sediment | QC | QC | | | | |
| 7 | 0040376-DUP1 | Sediment | QC | QC | | 0040376 | | |
| 8 | 0D13025-IBL2 | Sediment | QC | QC | | | | |
| 9 | 0040376-MS1 | Sediment | QC | QC | | 0040376 | | |
| 10 | 0D13025-IBL3 | Sediment | QC | QC | | | | |
| 11 | 0040376-MSD1 | Sediment | QC | QC | | 0040376 | | |
| 12 | 0D13025-IBL4 | Sediment | QC | QC | | | | |
| 13 | A0D0196-02 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 14 | 0D13025-IBL5 | Sediment | QC | QC | | | | |
| 15 | A0D0196-03 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040376 | | |
| 16 | 0D13025-IBL6 | Sediment | QC | QC | | | | |
| 17 | 0D13025-CCV2 | Sediment | QC | QC | | | | A20C132 |
| 18 | 0D13025-CCB2 | Sediment | QC | QC | | | | A20C404 |

Data Entered By: *MSB* 4/13/20

Comments: *Partial, +1262, 68*

Data Reviewed By: *MSB* 4/13/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D13025-CCV1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 478.56 |
| 1016 (2) | 503.62 |
| 1016 (3) | 495.39 |
| 1016 (4) | 456.88 |
| 1016 (5) | 464.17 |
| 1016 (6) | 465.84 |
| Average: | 477.41 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 484.98 |
| 1260 (2) | 479.48 |
| 1260 (3) | 493.95 |
| 1260 (4) | 505.89 |
| 1260 (5) | 498.53 |
| 1260 (6) | 484.47 |
| Average: | 491.22 ✓ |

0040376-BS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 599.90 |
| 1016 (2) | 684.62 |
| 1016 (3) | 577.55 |
| 1016 (4) | 682.21 |
| 1016 (5) | 682.63 |
| 1016 (6) | 635.16 |
| Average: | 643.68 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 857.79 |
| 1260 (2) | 905.47 |
| 1260 (3) | 858.78 |
| 1260 (4) | 1,033.86 |
| 1260 (5) | 939.67 |
| 1260 (6) | 969.26 |
| Average: | 927.47 ✓ |

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.

0040376-MS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 670.84 |
| 1016 (2) | 756.88 |
| 1016 (3) | 597.39 |
| 1016 (4) | 784.64 |
| 1016 (5) | 796.31 |
| 1016 (6) | 704.18 |
| Average: | 718.37 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 909.13 |
| 1260 (2) | 976.49 |
| 1260 (3) | 914.30 |
| 1260 (4) | 1,071.68 |
| 1260 (5) | 968.94 |
| 1260 (6) | 1,020.84 |
| Average: | 976.90 ✓ |

0040376-MSD1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 660.83 |
| 1016 (2) | 755.02 |
| 1016 (3) | 596.53 |
| 1016 (4) | 755.35 |
| 1016 (5) | 777.28 |
| 1016 (6) | 643.05 |
| Average: | 698.01 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 890.85 |
| 1260 (2) | 913.52 |
| 1260 (3) | 880.94 |
| 1260 (4) | 975.59 |
| 1260 (5) | 905.37 |
| 1260 (6) | 983.77 |
| Average: | 925.01 ✓ |

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.

0D13025-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 474.82 |
| 1016 (2) | 516.57 |
| 1016 (3) | 509.06 |
| 1016 (4) | 481.31 |
| 1016 (5) | 484.59 |
| 1016 (6) | 484.38 |
| Average: | 491.79 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 524.87 |
| 1260 (2) | 501.38 |
| 1260 (3) | 518.38 |
| 1260 (4) | 537.04 |
| 1260 (5) | 526.38 |
| 1260 (6) | 520.17 |
| Average: | 521.37 ✓ |

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.

0D13025-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 474.82 |
| 1016 (2) | 516.57 |
| 1016 (3) | 509.06 |
| 1016 (4) | 481.31 |
| 1016 (5) | 484.59 |
| 1016 (6) | 484.38 |
| Average: | 491.79 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 524.87 |
| 1260 (2) | 501.38 |
| 1260 (3) | 518.38 |
| 1260 (4) | 537.04 |
| 1260 (5) | 526.38 |
| 1260 (6) | 520.17 |
| Average: | 521.37 |

0D13025-CCV3

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 444.73 |
| 1016 (2) | 464.80 |
| 1016 (3) | 465.79 |
| 1016 (4) | 427.63 |
| 1016 (5) | 433.44 |
| 1016 (6) | 425.77 |
| Average: | 443.69 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 445.78 |
| 1260 (2) | 434.55 |
| 1260 (3) | 443.02 |
| 1260 (4) | 450.77 |
| 1260 (5) | 452.40 |
| 1260 (6) | 440.28 |
| Average: | 444.47 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 7:40
 Operator : MJB / KAK
 Sample : 0D13025-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:14:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.565 | 78790999 | 265.943 | ng/ml |
| 62) S DCBP (S) | 10.433 | 42595773 | 255.115 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.236 | 4568017 | 478.555 | ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 8412418 | 503.615 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 3828554 | 495.386 | ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 3665631 | 456.876 | ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 4030835 | 464.168 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 4093725 | 465.837 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.740 | 312092 | 141.145 | ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 577831 | 266.891 | ng/ml |
| 11) Aroclor 1221 (3) | 5.901 | 2707457 | 374.838 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.901 | 2707457 | 443.146 | ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 4568017 | 1222.527 | ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 8412418 | 1226.985 | ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 3665631 | 1451.312 | ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 4030835 | 1326.386 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 4093725 | 1277.651 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 4568017 | 655.186 | ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 8412418 | 674.110 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 3828554 | 677.888 | ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 3665631 | 689.611 | ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 4030835 | 660.188 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 4093725 | 628.083 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 8412418 | 1192.387 | ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 3665631 | 407.786 | ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 4030835 | 482.484 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 4093725 | 403.130 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 894252 | 69.214 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 3464375 | 300.631 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 2898774 | 224.779 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 3464375 | 169.438 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 1917791 | 86.811 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 1352522 | 77.925 | ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 10280864 | 621.371 | ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 1418903 | 282.311 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 8091604 | 484.981 | ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 9933286 | 479.481 | ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 10280864 | 493.953 | ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 17174802 | 505.885 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 7:40
 Operator : MJB / KAK
 Sample : 0D13025-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:14:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|---------------|
| 45) Aroclor 1260 (5) | 9.246 | 9866936 | 498.535 ng/ml |
| 46) Aroclor 1260 (6) | 9.794 | 3771126 | 484.467 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.284 | 9933286 | 610.500 ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 7403591 | 339.016 ng/ml |
| 50) Aroclor 1262 (3) | 8.760 | 7448150 | 414.991 ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 17174802 | 444.053 ng/ml |
| 52) Aroclor 1262 (5) | 9.246 | 9866936 | 422.756 ng/ml |
| 53) Aroclor 1262 (6) | 9.794 | 3771126 | 362.687 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 561058 | 57.791 ng/ml |
| 56) Aroclor 1268 (2) | 9.246 | 9866936 | 228.924 ng/ml |
| 57) Aroclor 1268 (3) | 9.307 | 3730077 | 105.293 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 298038 | 9.963 ng/ml |
| 59) Aroclor 1268 (5) | 9.794 | 3771126 | 315.022 ng/ml |
| 60) Aroclor 1268 (6) | 10.132 | 973695 | 12.027 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

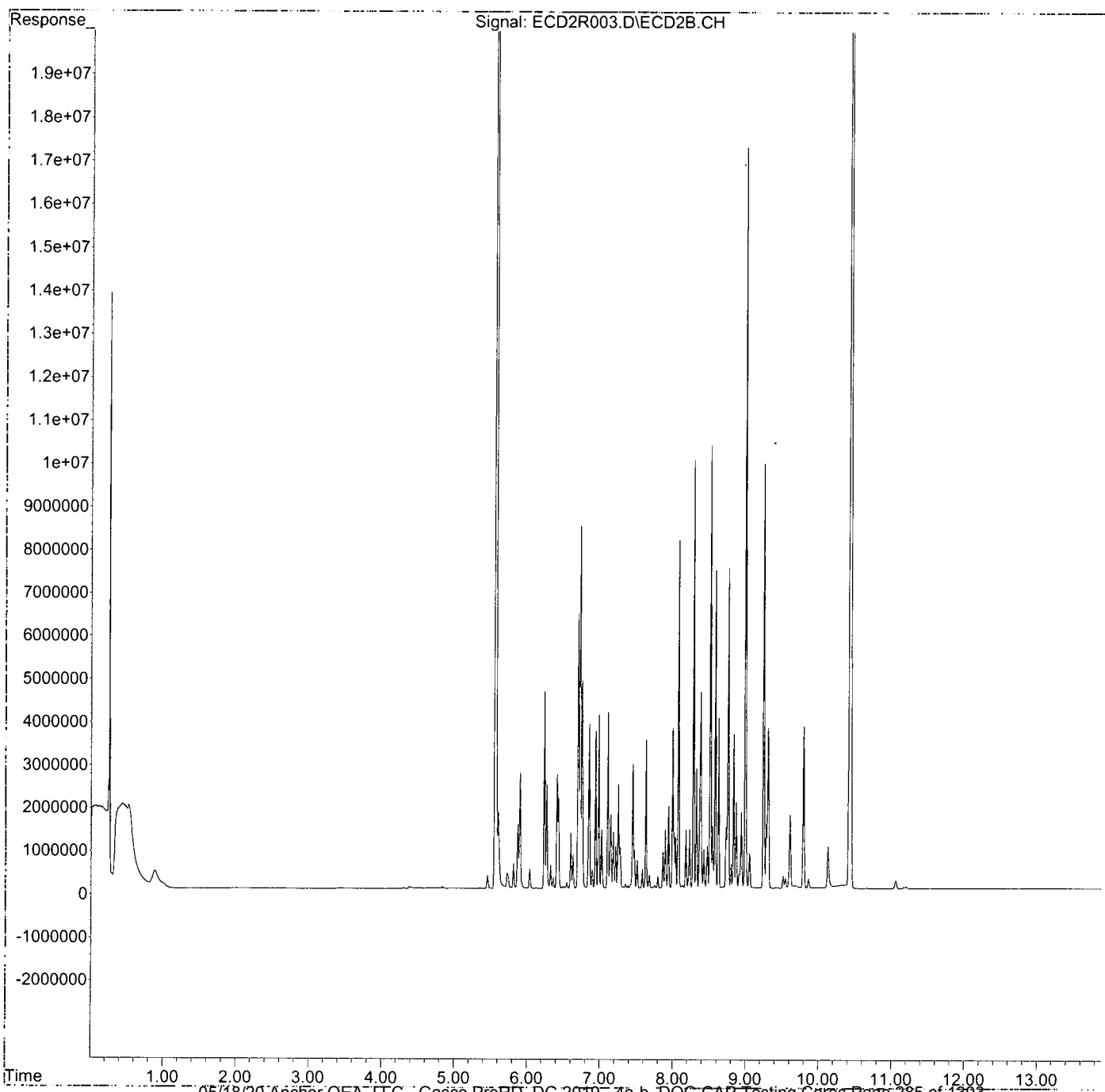
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:40
Operator : MJB / KAK
Sample : 0D13025-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:14:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 7:57
 Operator : MJB / KAK
 Sample : 0D13025-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/13/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|------------------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 30499462 | 102.945 ng/ml |
| 62) S DCBP (S) | 10.434 | 14311583 | 85.715 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.234 | 3045 | 0.319 ng/ml |
| 3) Aroclor 1016 (2) | 6.728 | 3727 | 0.223 ng/ml |
| 4) Aroclor 1016 (3) | 6.857 | 3733 | 0.483 ng/ml |
| 5) Aroclor 1016 (4) | 6.937 | 2591 | 0.323 ng/ml |
| 6) Aroclor 1016 (5) | 6.990 | 2363 | 0.272 ng/ml |
| 7) Aroclor 1016 (6) | 7.103 | 2565 | 0.292 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.782f | 11273 | 5.098 ng/ml |
| 10) Aroclor 1221 (2) | 5.832 | 7355 | 3.397 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 606850 | 84.016 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 606850 | 99.327 ng/ml |
| 14) Aroclor 1232 (2) | 6.234 | 3045 | 0.815 ng/ml |
| 15) Aroclor 1232 (3) | 6.728 | 3727 | 0.544 ng/ml |
| 16) Aroclor 1232 (4) | 6.937 | 2591 | 1.026 ng/ml |
| 17) Aroclor 1232 (5) | 6.990 | 2363 | 0.778 ng/ml |
| 18) Aroclor 1232 (6) | 7.103 | 2565 | 0.800 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.234 | 3045 | 0.437 ng/ml |
| 21) Aroclor 1242 (2) | 6.728 | 3727 | 0.299 ng/ml |
| 22) Aroclor 1242 (3) | 6.857 | 3733 | 0.661 ng/ml |
| 23) Aroclor 1242 (4) | 6.937 | 2591 | 0.488 ng/ml |
| 24) Aroclor 1242 (5) | 6.990 | 2363 | 0.387 ng/ml |
| 25) Aroclor 1242 (6) | 7.103 | 2565 | 0.393 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.728 | 3727 | 0.528 ng/ml |
| 28) Aroclor 1248 (2) | 6.937 | 2591 | 0.288 ng/ml |
| 29) Aroclor 1248 (3) | 6.990 | 2363 | 0.283 ng/ml |
| 30) Aroclor 1248 (4) | 7.103 | 2565 | 0.253 ng/ml |
| 31) Aroclor 1248 (5) | 7.476 | 2454 | 0.190 ng/ml |
| 32) Aroclor 1248 (6) | 7.638 | 11531 | 1.001 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.446 | 2048 | 0.159 ng/ml |
| 35) Aroclor 1254 (2) | 7.638 | 11531 | 0.564 ng/ml |
| 36) Aroclor 1254 (3) | 7.937 | 6240 | 0.282 ng/ml |
| 37) Aroclor 1254 (4) | 8.160 | 6236 | 0.359 ng/ml |
| 38) Aroclor 1254 (5) | 8.519 | 7128 | 0.431 ng/ml |
| 39) Aroclor 1254 (6) | 8.715 | 5749 | 1.144 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 6338 | 0.380 ng/ml |
| 42) Aroclor 1260 (2) | 8.288 | 7865 | 0.380 ng/ml |
| 43) Aroclor 1260 (3) | 8.519 | 7128 | 0.342 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 4778 | 0.141 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 7:57
 Operator : MJB / KAK
 Sample : 0D13025-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|--------|-------|
| 45) Aroclor 1260 (5) | 9.245 | 6816 | 0.344 | ng/ml |
| 46) Aroclor 1260 (6) | 9.792 | 5985 | 0.769 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.288 | 7865 | 0.483 | ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 7001 | 0.321 | ng/ml |
| 50) Aroclor 1262 (3) | 8.775 | 21757 | 1.212 | ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 4778 | 0.124 | ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 6816 | 0.292 | ng/ml |
| 53) Aroclor 1262 (6) | 9.792 | 5985 | 0.576 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.799 | 11462 | 1.181 | ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 6816 | 0.158 | ng/ml |
| 57) Aroclor 1268 (3) | 9.308 | 4915 | 0.139 | ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 306664 | 10.252 | ng/ml |
| 59) Aroclor 1268 (5) | 9.792 | 5985 | 0.500 | ng/ml |
| 60) Aroclor 1268 (6) | 10.133 | 585752 | 7.235 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

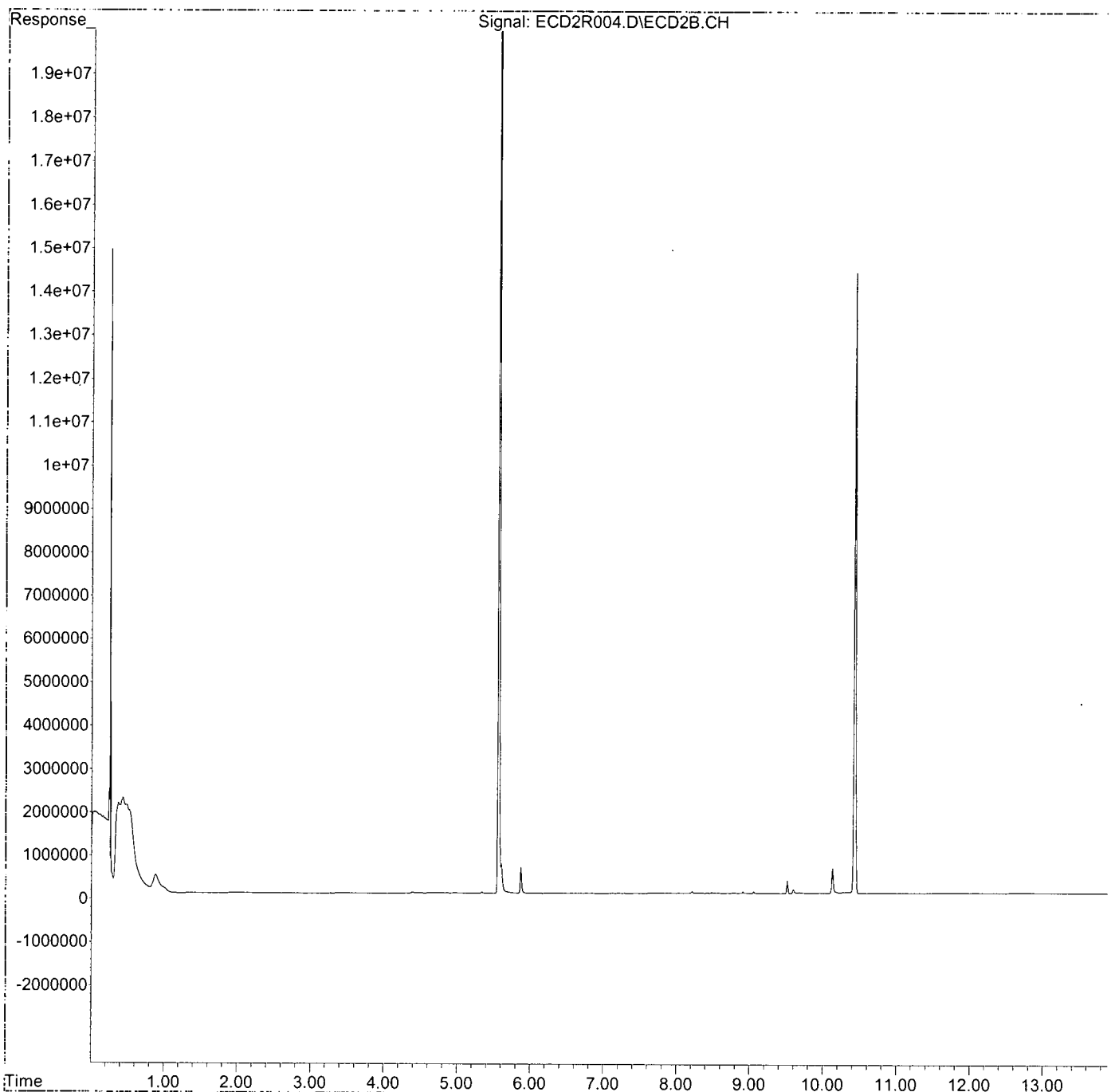
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:57
Operator : MJB / KAK
Sample : 0D13025-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 8:15
 Operator : MJB / KAK
 Sample : 0040376-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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Clean

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 44306505 | 149.548 | ng/ml |
| 62) S DCBP (S) | 10.433 | 35020321 | 209.744 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.238 | 8143 | 0.853 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 13408 | 0.803 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 7984 | 1.033 | ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 7849 | 0.978 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 9449 | 1.088 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 9218 | 1.049 | 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) | 5.827 | 8752 | 4.042 | ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 855836 | 118.488 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 855836 | 140.080 | ng/ml |
| 14) Aroclor 1232 (2) | 6.238 | 8143 | 2.179 | ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 13408 | 1.956 | ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 7849 | 3.108 | ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 9449 | 3.109 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 9218 | 2.877 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.238 | 8143 | 1.168 | ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 13408 | 1.074 | ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 7984 | 1.414 | ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 7849 | 1.477 | ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 9449 | 1.548 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 9218 | 1.414 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 13408 | 1.901 | ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 7849 | 0.873 | ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 9449 | 1.131 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 9218 | 0.908 | ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 4340 | 0.336 | ng/ml |
| 32) Aroclor 1248 (6) | 7.633 | 17977 | 1.560 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.451 | 8218 | 0.637 | ng/ml |
| 35) Aroclor 1254 (2) | 7.633 | 17977 | 0.879 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 9456 | 0.428 | ng/ml |
| 37) Aroclor 1254 (4) | 8.182 | 9948 | 0.573 | ng/ml |
| 38) Aroclor 1254 (5) | 8.515 | 16902 | 1.022 | ng/ml |
| 39) Aroclor 1254 (6) | 8.729 | 5724 | 1.139 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 19404 | 1.163 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 22198 | 1.072 | ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 16902 | 0.812 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 14075 | 0.415 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 8:15
 Operator : MJB / KAK
 Sample : 0040376-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.245 | 14728 | 0.744 ng/ml |
| 46) Aroclor 1260 (6) | 9.799 | 13643 | 1.753 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.283 | 22198 | 1.364 ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 13168 | 0.603 ng/ml |
| 50) Aroclor 1262 (3) | 8.759 | 11761 | 0.655 ng/ml |
| 51) Aroclor 1262 (4) | 8.994 | 14075 | 0.364 ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 14728 | 0.631 ng/ml |
| 53) Aroclor 1262 (6) | 9.799 | 13643 | 1.312 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 6337 | 0.653 ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 14728 | 0.342 ng/ml |
| 57) Aroclor 1268 (3) | 9.305 | 8582 | 0.242 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 538457 | 18.001 ng/ml |
| 59) Aroclor 1268 (5) | 9.799 | 13643 | 1.140 ng/ml |
| 60) Aroclor 1268 (6) | 10.133 | 1238508 | 15.298 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

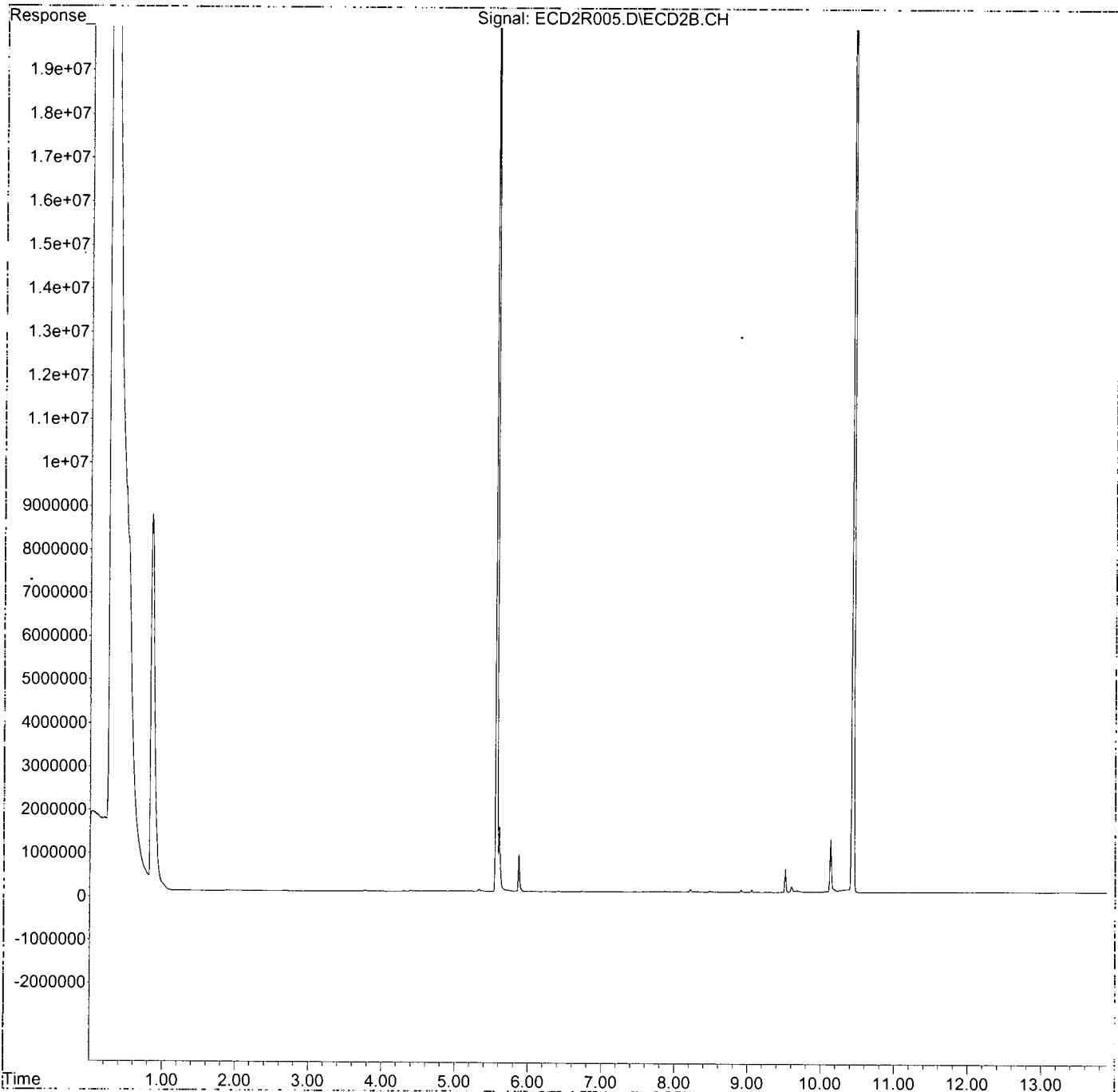
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:15
Operator : MJB / KAK
Sample : 0040376-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 8:32
 Operator : MJB / KAK
 Sample : 0040376-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/13/20

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

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 37900672 | 127.926 | ng/ml |
| 62) S DCBP (S) | 10.432 | 30288583 | 181.404 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.236 | 5726352 | 599.905 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 11436009 | 684.625 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 4463555 | 577.551 | ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 5473564 | 682.212 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 5927940 | 682.629 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 5581690 | 635.157 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.726 | 431420 | 195.111 | ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 700859 | 323.715 | ng/ml |
| 11) Aroclor 1221 (3) | 5.901 | 3427697 | 474.553 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.901 | 3427697 | 561.032 | ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 5726352 | 1532.529 | ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 11436009 | 1667.988 | ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 5473564 | 2167.116 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 5927940 | 1950.647 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 5581690 | 1742.044 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 5726352 | 821.325 | ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 11436009 | 916.399 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 4463555 | 790.322 | ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 5473564 | 1029.736 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 5927940 | 970.905 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 5581690 | 856.375 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 11436009 | 1620.955 | ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 5473564 | 608.910 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 5927940 | 709.564 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 5581690 | 549.658 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 1360157 | 105.275 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 5727446 | 497.016 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 4329776 | 335.742 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 5727446 | 280.121 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 2862214 | 129.562 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 2220665 | 127.943 | ng/ml |
| 38) Aroclor 1254 (5) | 8.515 | 17874215 | 1080.310 | ng/ml |
| 39) Aroclor 1254 (6) | 8.731 | 2812930 | 559.672 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 14311748 | 857.794 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 18758483 | 905.474 | ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 17874215 | 858.783 | ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 35099418 | 1033.857 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 8:32
 Operator : MJB / KAK
 Sample : 0040376-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:15:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|----------|-------|
| 45) Aroclor 1260 (5) | 9.246 | 18597874 | 939.672 | ng/ml |
| 46) Aroclor 1260 (6) | 9.795 | 7544782 | 969.260 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.283 | 18758483 | 1152.898 | ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 14005393 | 641.317 | ng/ml |
| 50) Aroclor 1262 (3) | 8.760 | 13545944 | 754.743 | ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 35099418 | 907.492 | ng/ml |
| 52) Aroclor 1262 (5) | 9.246 | 18597874 | 796.840 | ng/ml |
| 53) Aroclor 1262 (6) | 9.795 | 7544782 | 725.617 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 1004221 | 103.439 | ng/ml |
| 56) Aroclor 1268 (2) | 9.246 | 18597874 | 431.492 | ng/ml |
| 57) Aroclor 1268 (3) | 9.308 | 7680350 | 216.802 | ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 786705 | 26.300 | ng/ml |
| 59) Aroclor 1268 (5) | 9.795 | 7544782 | 630.255 | ng/ml |
| 60) Aroclor 1268 (6) | 10.132 | 2799152 | 34.576 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

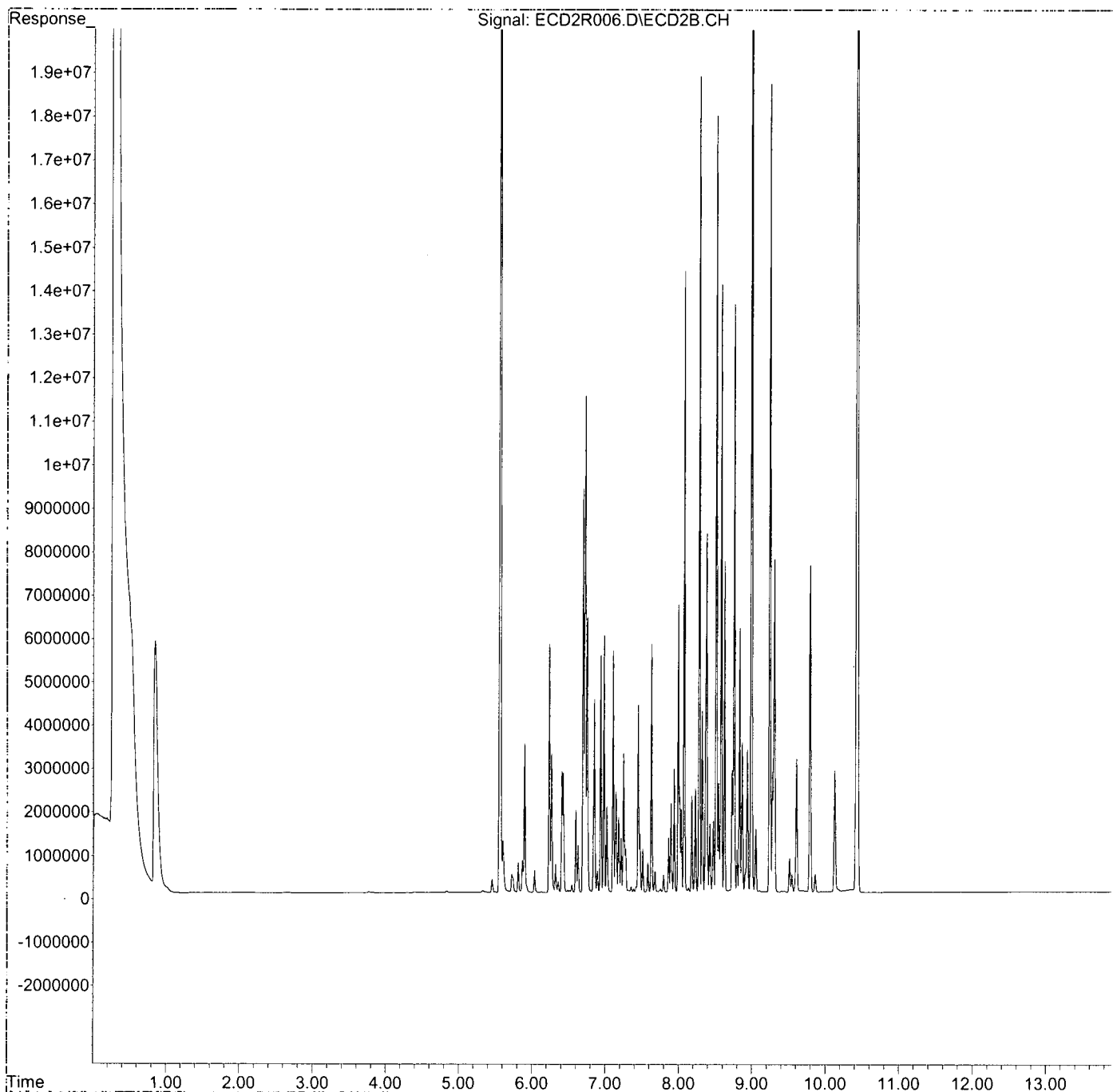
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:32
Operator : MJB / KAK
Sample : 0040376-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 10:35
 Operator : MJB / KAK
 Sample : 0040376-MSD1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:17:36 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/13/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 49500812 | 167.080 | ng/ml |
| 62) S DCBP (S) | 10.431 | 34960470 | 209.385 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.236 | 6307959 | 660.835 | ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 12611883 | 755.019 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 4610263 | 596.534 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 6060349 | 755.348 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 6749911 | 777.282 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 5651080 | 643.054 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.739 | 396193 | 179.179 | ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 771496 | 356.341 | ng/ml |
| 11) Aroclor 1221 (3) | 5.900 | 3680509 | 509.554 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.900 | 3680509 | 602.412 | ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 6307959 | 1688.183 | ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 12611883 | 1839.494 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 6060349 | 2399.439 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 6749911 | 2221.125 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 5651080 | 1763.701 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 6307959 | 904.744 | ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 12611883 | 1010.625 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 4610263 | 816.298 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 6060349 | 1140.127 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 6749911 | 1105.531 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 5651080 | 867.021 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 12611883 | 1787.625 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 6060349 | 674.188 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 6749911 | 807.953 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 5651080 | 556.491 | ng/ml |
| 31) Aroclor 1248 (5) | 7.472 | 1441585 | 111.577 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 5933298 | 514.879 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 4501853 | 349.085 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 5933298 | 290.189 | ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 2875645 | 130.170 | ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 2281285 | 131.436 | ng/ml |
| 38) Aroclor 1254 (5) | 8.515 | 18335380 | 1108.183 | ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 2735156 | 544.198 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 14863270 | 890.850 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 18925176 | 913.520 | ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 18335380 | 880.940 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 33121169 | 975.587 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 10:35
 Operator : MJB / KAK
 Sample : 0040376-MSD1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:17:36 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|----------|-------|
| 45) | Aroclor 1260 (5) | 9.245 | 17919031 | 905.373 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.793 | 7657710 | 983.767 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 18925176 | 1163.143 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.582 | 14547734 | 666.151 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.760 | 13686910 | 762.597 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 33121169 | 856.345 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.245 | 17919031 | 767.754 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.793 | 7657710 | 736.478 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 1005846 | 103.606 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.245 | 17919031 | 415.742 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.307 | 7514994 | 212.134 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 909284 | 30.397 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.793 | 7657710 | 639.688 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 2791161 | 34.477 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

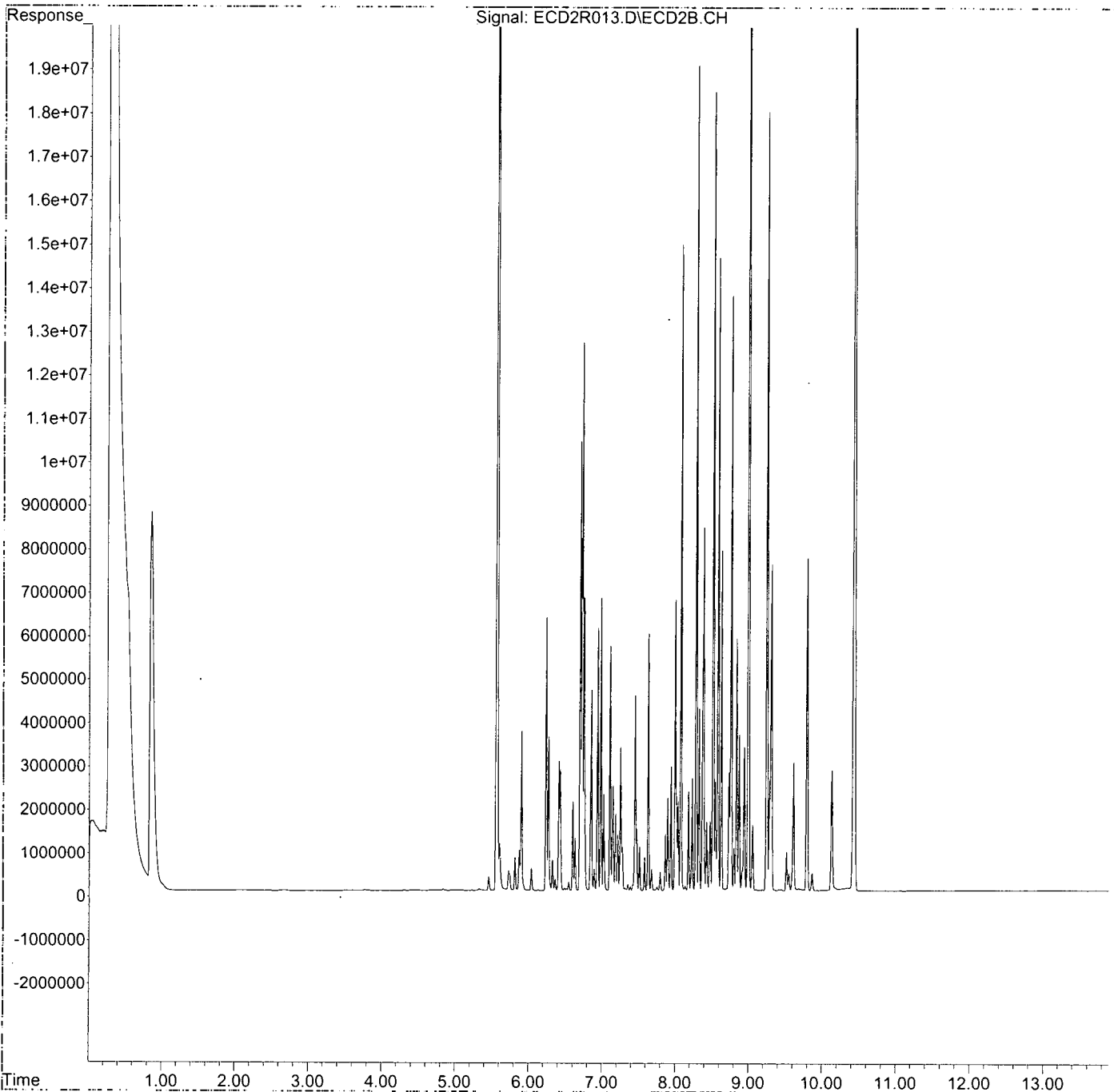
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 10:35
Operator : MJB / KAK
Sample : 0040376-MSD1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:17:36 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 12:21
 Operator : MJB / KAK
 Sample : 0D13025-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:18:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/13/20

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

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.565 | 79711054 | 269.049 | ng/ml |
| 62) S DCBP (S) | 10.431 | 44603473 | 267.139 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.235 | 4532371 | 474.821 | ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 8628809 | 516.570 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 3934231 | 509.060 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 3861692 | 481.312 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 4208144 | 484.586 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 4256675 | 484.380 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.740 | 328917 | 148.754 | ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 621881 | 287.237 | ng/ml |
| 11) Aroclor 1221 (3) | 5.900 | 2813525 | 389.523 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.900 | 2813525 | 460.507 | ng/ml |
| 14) Aroclor 1232 (2) | 6.235 | 4532371 | 1212.987 | ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 8628809 | 1258.547 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 3861692 | 1528.937 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 4208144 | 1384.732 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 4256675 | 1328.508 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.235 | 4532371 | 650.073 | ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 8628809 | 691.450 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 3934231 | 696.599 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 3861692 | 726.496 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 4208144 | 689.229 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 4256675 | 653.083 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 8628809 | 1223.059 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 3861692 | 429.597 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 4208144 | 503.708 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 4256675 | 419.177 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 975993 | 75.541 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 3564020 | 309.278 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 3034732 | 235.321 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 3564020 | 174.311 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 2054181 | 92.985 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 1408990 | 81.179 | ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 10789345 | 652.103 | ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 1532098 | 304.832 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 8757137 | 524.871 | ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 10386997 | 501.381 | ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 10789345 | 518.384 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 18232628 | 537.044 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 12:21
 Operator : MJB / KAK
 Sample : 0D13025-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:18:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|---------|-------|
| 45) | Aroclor 1260 (5) | 9.245 | 10418100 | 526.383 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.794 | 4049073 | 520.174 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.282 | 10386997 | 638.386 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.582 | 7768779 | 355.738 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.760 | 7970599 | 444.100 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 18232628 | 471.403 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.245 | 10418100 | 446.371 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.794 | 4049073 | 389.418 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 569530 | 58.664 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.245 | 10418100 | 241.712 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.308 | 4236985 | 119.602 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.514 | 355339 | 11.879 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.794 | 4049073 | 338.240 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 1050557 | 12.977 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

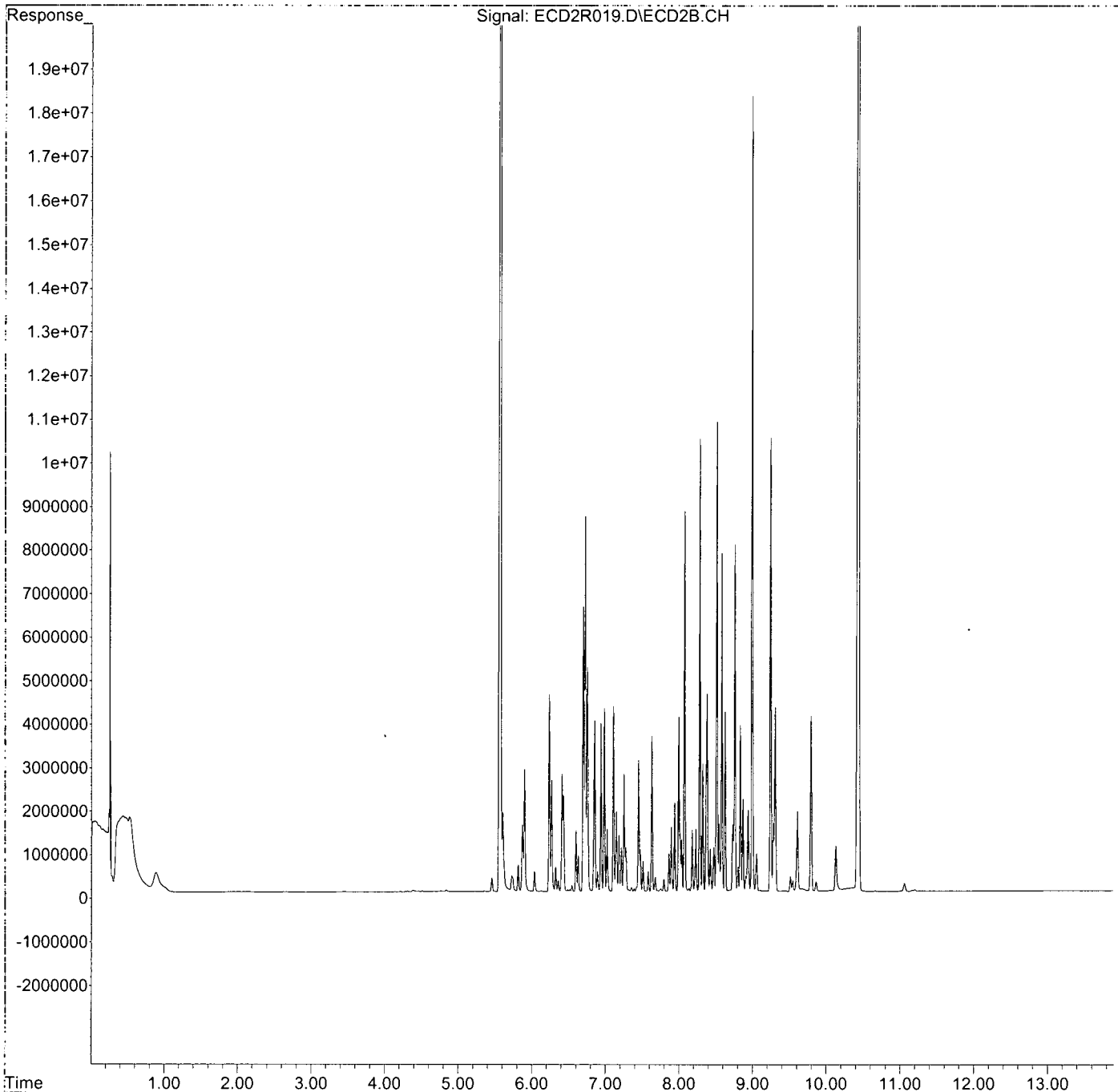
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:21
Operator : MJB / KAK
Sample : 0D13025-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:18:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 12:38
 Operator : MJB / KAK
 Sample : 0D13025-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:19:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/13/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.562 | 30005849 | 101.279 ng/ml |
| 62) S DCBP (S) | 10.430 | 15146958 | 90.718 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.240 | 5035 | 0.528 ng/ml |
| 3) Aroclor 1016 (2) | 6.740 | 7423 | 0.444 ng/ml |
| 4) Aroclor 1016 (3) | 6.860 | 7552 | 0.977 ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 6151 | 0.767 ng/ml |
| 6) Aroclor 1016 (5) | 6.986 | 5946 | 0.685 ng/ml |
| 7) Aroclor 1016 (6) | 7.111 | 7150 | 0.814 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.759 | 15647 | 7.076 ng/ml |
| 10) Aroclor 1221 (2) | 5.828 | 8399 | 3.879 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 616294 | 85.324 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 616294 | 100.873 ng/ml |
| 14) Aroclor 1232 (2) | 6.240 | 5035 | 1.348 ng/ml |
| 15) Aroclor 1232 (3) | 6.740 | 7423 | 1.083 ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 6151 | 2.435 ng/ml |
| 17) Aroclor 1232 (5) | 6.986 | 5946 | 1.957 ng/ml |
| 18) Aroclor 1232 (6) | 7.111 | 7150 | 2.231 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.240 | 5035 | 0.722 ng/ml |
| 21) Aroclor 1242 (2) | 6.740 | 7423 | 0.595 ng/ml |
| 22) Aroclor 1242 (3) | 6.860 | 7552 | 1.337 ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 6151 | 1.157 ng/ml |
| 24) Aroclor 1242 (5) | 6.986 | 5946 | 0.974 ng/ml |
| 25) Aroclor 1242 (6) | 7.111 | 7150 | 1.097 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.740 | 7423 | 1.052 ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 6151 | 0.684 ng/ml |
| 29) Aroclor 1248 (3) | 6.986 | 5946 | 0.712 ng/ml |
| 30) Aroclor 1248 (4) | 7.111 | 7150 | 0.704 ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 5988 | 0.463 ng/ml |
| 32) Aroclor 1248 (6) | 7.645 | 16452 | 1.428 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.446 | 6281 | 0.487 ng/ml |
| 35) Aroclor 1254 (2) | 7.645 | 16452 | 0.805 ng/ml |
| 36) Aroclor 1254 (3) | 7.946 | 9050 | 0.410 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 10636 | 0.613 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 8285 | 0.501 ng/ml |
| 39) Aroclor 1254 (6) | 8.739 | 3734 | 0.743 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.079 | 8975 | 0.538 ng/ml |
| 42) Aroclor 1260 (2) | 8.286 | 9766 | 0.471 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 8285 | 0.398 ng/ml |
| 44) Aroclor 1260 (4) | 8.992 | 5388 | 0.159 ng/ml |

Data Path : K:\DATA\0D13025\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 12:38
 Operator : MJB / KAK
 Sample : 0D13025-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 13 13:19:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 9.244 | 9362 | 0.473 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.794 | 6474 | 0.832 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.286 | 9766 | 0.600 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.576 | 7709 | 0.353 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.775 | 21594 | 1.203 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.992 | 5388 | 0.139 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.244 | 9362 | 0.401 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.794 | 6474 | 0.623 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.827 | 7006 | 0.722 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.244 | 9362 | 0.217 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.308 | 6938 | 0.196 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.514 | 342513 | 11.450 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.794 | 6474 | 0.541 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 637042 | 7.869 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

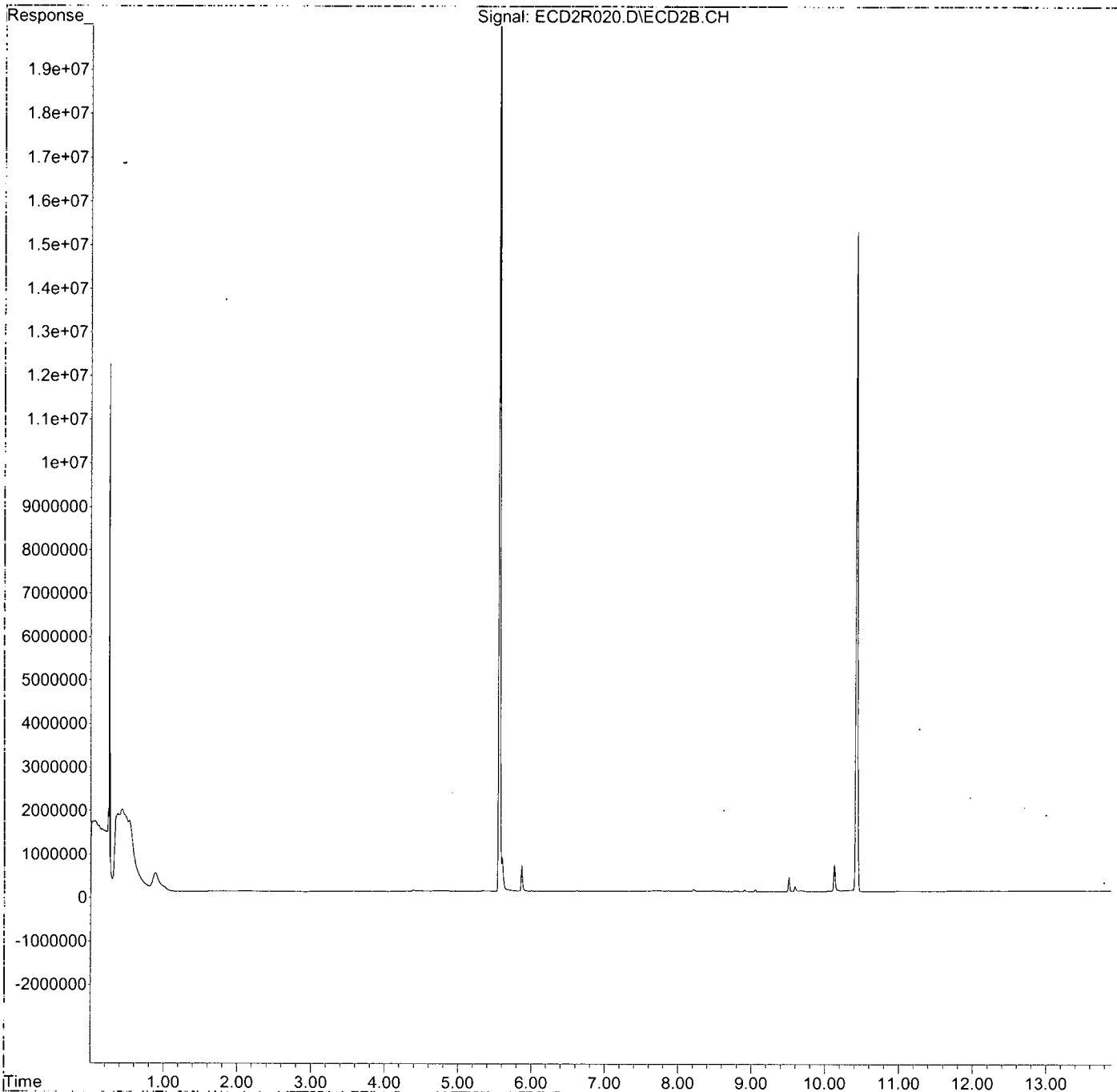
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:38
Operator : MJB / KAK
Sample : 0D13025-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:19:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 15:17
 Operator : MJB / KAK
 Sample : A0D0212-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:49:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 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

Handwritten notes:
 4/20/20
 1242 P-10
 1254 P-10
 1260 P-10
 1268 P-10
 4/20/20

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.563 | 67102717 | 226.492 | ng/ml |
| 62) S DCBP (S) | 10.433 | 31495746 | 188.634 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.235 | 538159 | 56.379 | ng/ml |
| 3) Aroclor 1016 (2) | 6.723 | 1888140 | 113.035 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 925677 | 119.776 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 2582754 | 321.909 | ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 2227665 | 256.526 | ng/ml |
| 7) Aroclor 1016 (6) | 7.106 | 2204170 | 250.819 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.728 | 147327 | 66.629 | ng/ml |
| 10) Aroclor 1221 (2) | 5.824 | 502315 | 232.011 | ng/ml |
| 11) Aroclor 1221 (3) | 5.903 | 514055 | 71.169 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.903 | 514055 | 84.139 | ng/ml |
| 14) Aroclor 1232 (2) | 6.235 | 538159 | 144.026 | ng/ml |
| 15) Aroclor 1232 (3) | 6.723 | 1888140 | 275.393 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 2582754 | 1022.575 | ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 2227665 | 733.035 | ng/ml |
| 18) Aroclor 1232 (6) | 7.106 | 2204170 | 687.921 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.235 | 538159 | 77.188 | ng/ml |
| 21) Aroclor 1242 (2) | 6.723 | 1888140 | 151.302 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 925677 | 163.901 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 2582754 | 485.891 | ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 2227665 | 364.857 | ng/ml |
| 25) Aroclor 1242 (6) | 7.106 | 2204170 | 338.176 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.723 | 1888140 | 267.627 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 2582754 | 287.320 | ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 2227665 | 266.648 | ng/ml |
| 30) Aroclor 1248 (4) | 7.106 | 2204170 | 217.056 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 3545488 | 274.418 | ng/ml |
| 32) Aroclor 1248 (6) | 7.630 | 7265154 | 630.455 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.451 | 3877889 | 300.702 | ng/ml |
| 35) Aroclor 1254 (2) | 7.630 | 7265154 | 355.328 | ng/ml |
| 36) Aroclor 1254 (3) | 7.939 | 5724381 | 259.121 | ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 4479328 | 258.076 | ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 6533602 | 394.888 | ng/ml |
| 39) Aroclor 1254 (6) | 8.741 | 1556887 | 309.765 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 4085648 | 244.879 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 6099204 | 294.409 | ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 6533602 | 313.913 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 5161818 | 152.042 | ng/ml |

Handwritten note: 130.797

Handwritten note: 296.598

Handwritten note: 140.411

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 15:17
 Operator : MJB / KAK
 Sample : A0D0212-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:49:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|---------|-------|
| 45) | Aroclor 1260 (5) | 9.245 | 2925518 | 147.814 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.794 | 944812 | 121.378 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 6099204 | 374.857 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.582 | 2328709 | 106.633 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.759 | 2446235 | 136.298 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 5161818 | 133.458 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.245 | 2925518 | 125.346 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.794 | 944812 | 90.867 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.802 | 617919 | 63.648 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.245 | 2925518 | 67.875 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.307 | 1463892 | 41.323 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.514 | 707589 | 23.655 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.794 | 944812 | 78.925 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 1556288 | 19.224 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

28.067 N/A 4/12/20

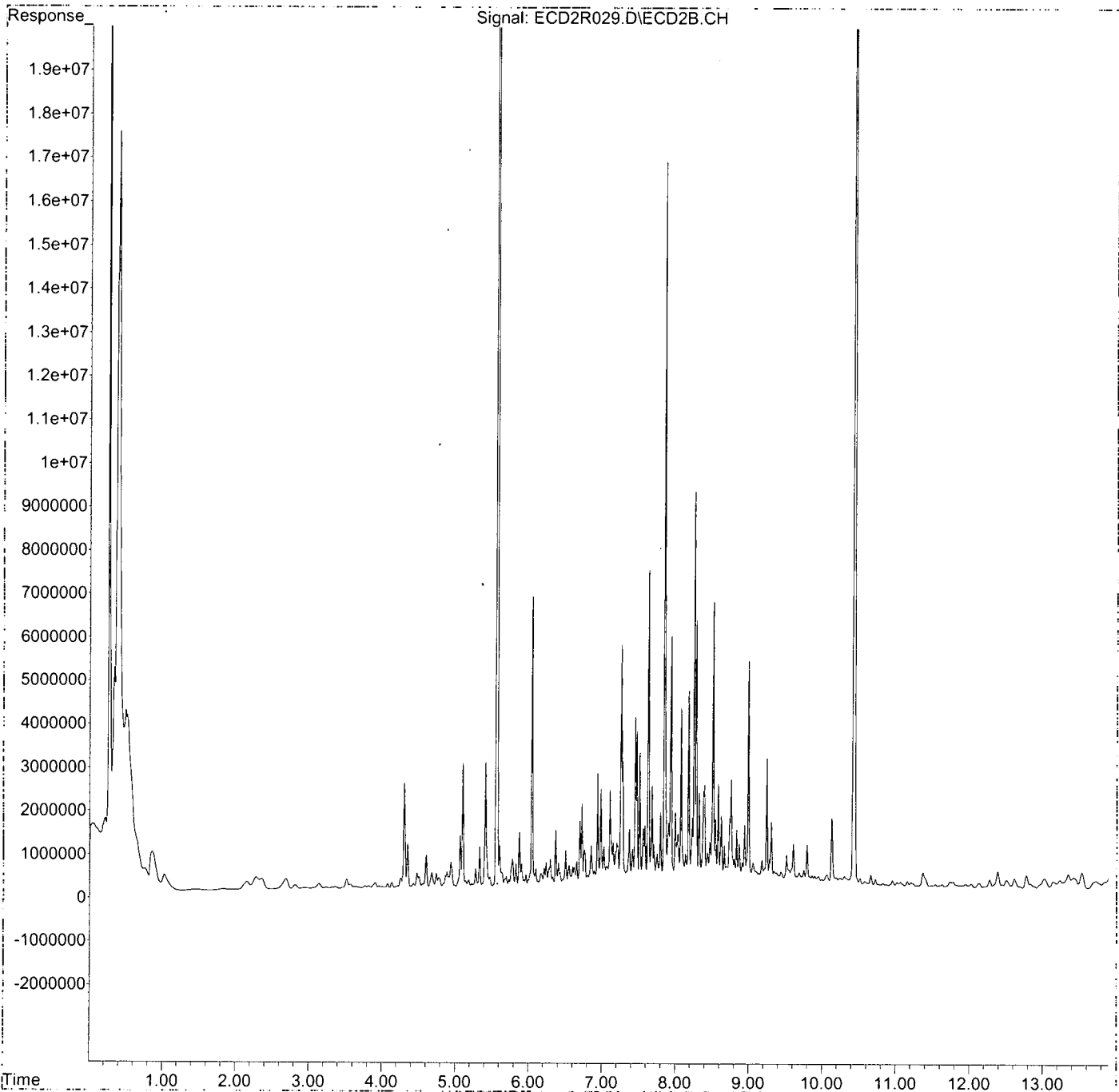
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R029.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 15:17
Operator : MJB / KAK
Sample : A0D0212-02
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:49:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R031.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 15:52
 Operator : MJB / KAK
 Sample : A0D0212-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:49:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 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

Handwritten notes:
 4/12/20
 1262 P-10
 1294 P-10
 1260 P-10
 1288 P-10
 4/12/20

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------------------|----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.563 | 64108061 | 216.384 | ng/ml |
| 62) S DCBP (S) | 10.433 | 23453103 | 140.465 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 618764 | 64.823 | ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 1789354 | 107.121 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 1024490 | 132.561 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 1966476 | 245.097 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 1761052 | 202.793 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 1796213 | 204.397 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.727 | 201421 | 91.093 | ng/ml |
| 10) Aroclor 1221 (2) | 5.825 | 447352 | 206.625 | ng/ml |
| 11) Aroclor 1221 (3) | 5.881 | 2310225 | 319.843 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.881 | 2310225 | 378.129 | ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 618764 | 165.598 | ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 1789354 | 260.985 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 1966476 | 778.575 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 1761052 | 579.492 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 1796213 | 560.598 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 618764 | 88.749 | ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 1789354 | 143.386 | ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 1024490 | 181.397 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 1966476 | 369.951 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 1761052 | 288.433 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 1796213 | 275.585 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 1789354 | 253.625 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 1966476 | 218.762 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 1761052 | 210.795 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 1796213 | 176.882 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 2980256 | 230.669 | ng/ml |
| 32) Aroclor 1248 (6) | 7.625 | 11258562 | 976.995 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.452 | 2903186 | 225.121 | ng/ml |
| 35) Aroclor 1254 (2) | 7.625 | 11258562 | 550.640 | ng/ml |
| 36) Aroclor 1254 (3) | 7.929 | 16975251 | 768.406 | ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 2583791 | 148.865 | ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 4789557 | 289.479 | ng/ml |
| 39) Aroclor 1254 (6) | 8.759 <i>8.739</i> | 2143923 | 426.564 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 3339025 | 200.129 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 5367449 | 259.087 | ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 4789557 | 230.119 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 5024888 | 148.009 | ng/ml |

Handwritten: 137.844 ✓

Handwritten: 206.008 ✓

Handwritten: 100.565MI ✓

Handwritten: 134.124 ✓

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R031.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 15:52
 Operator : MJB / KAK
 Sample : A0D0212-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:49:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|---------|-------|
| 45) | Aroclor 1260 (5) | 9.245 | 2807797 | 141.866 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.794 | 875674 | 112.496 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 5367449 | 329.884 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.583 | 2221908 | 101.743 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.759 | 2143923 | 119.454 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 5024888 | 129.918 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.245 | 2807797 | 120.302 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.794 | 875674 | 84.218 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.801 | 405145 | 41.731 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.245 | 2807797 | 65.144 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.307 | 1137234 | 32.102 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 493813 | 16.508 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.794 | 875674 | 73.150 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.132 | 1388677 | 17.153 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

21.921 N/A 4/20/20

(f)=RT Delta > 1/2 Window

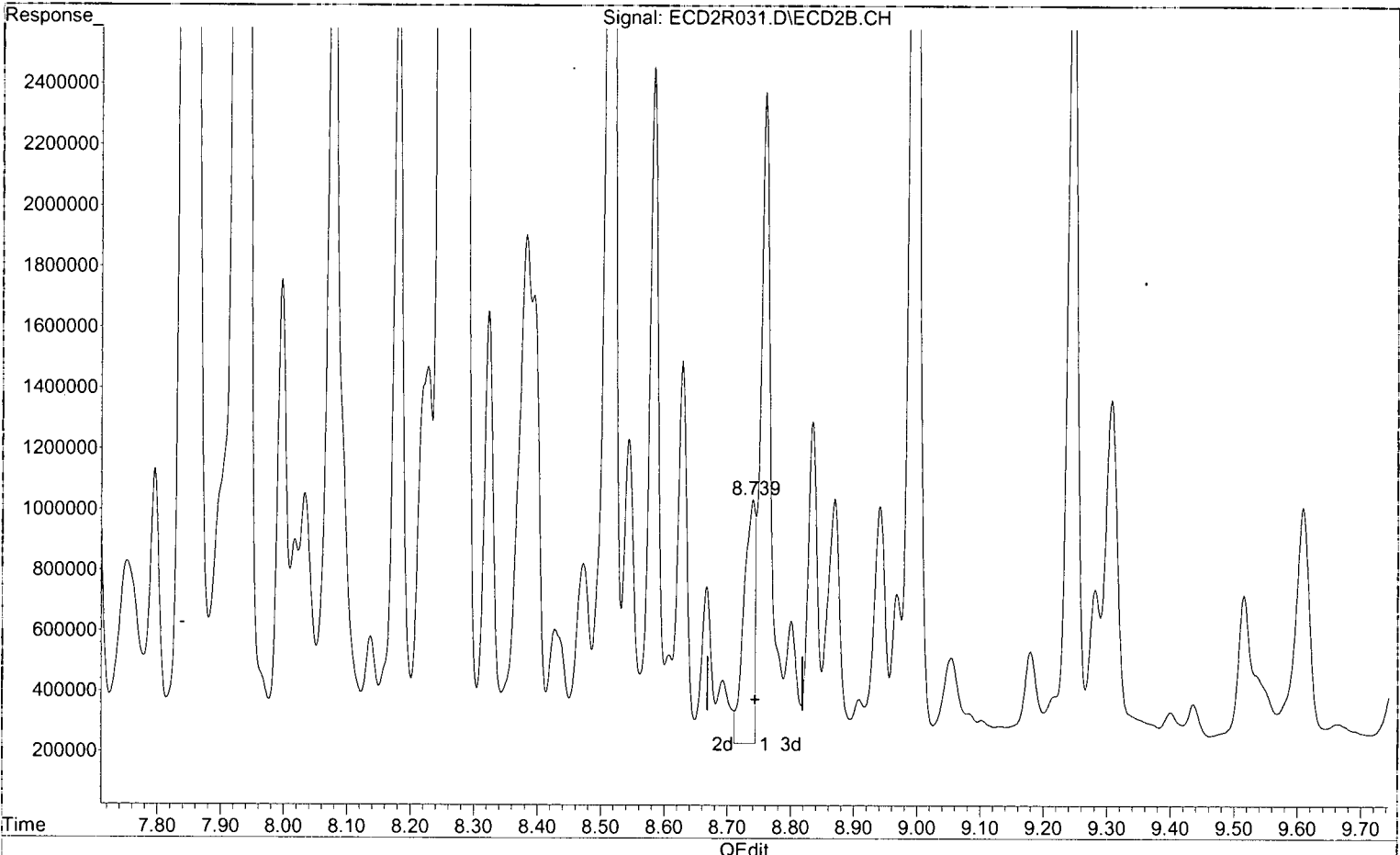
(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0D13025\
Data File : ECD2R031.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 15:52
Operator : MJB / KAK
Sample : A0D0212-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 20 09:02:46 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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



(39) Aroclor 1254 (6)

8.739min 160.565 ng/ml

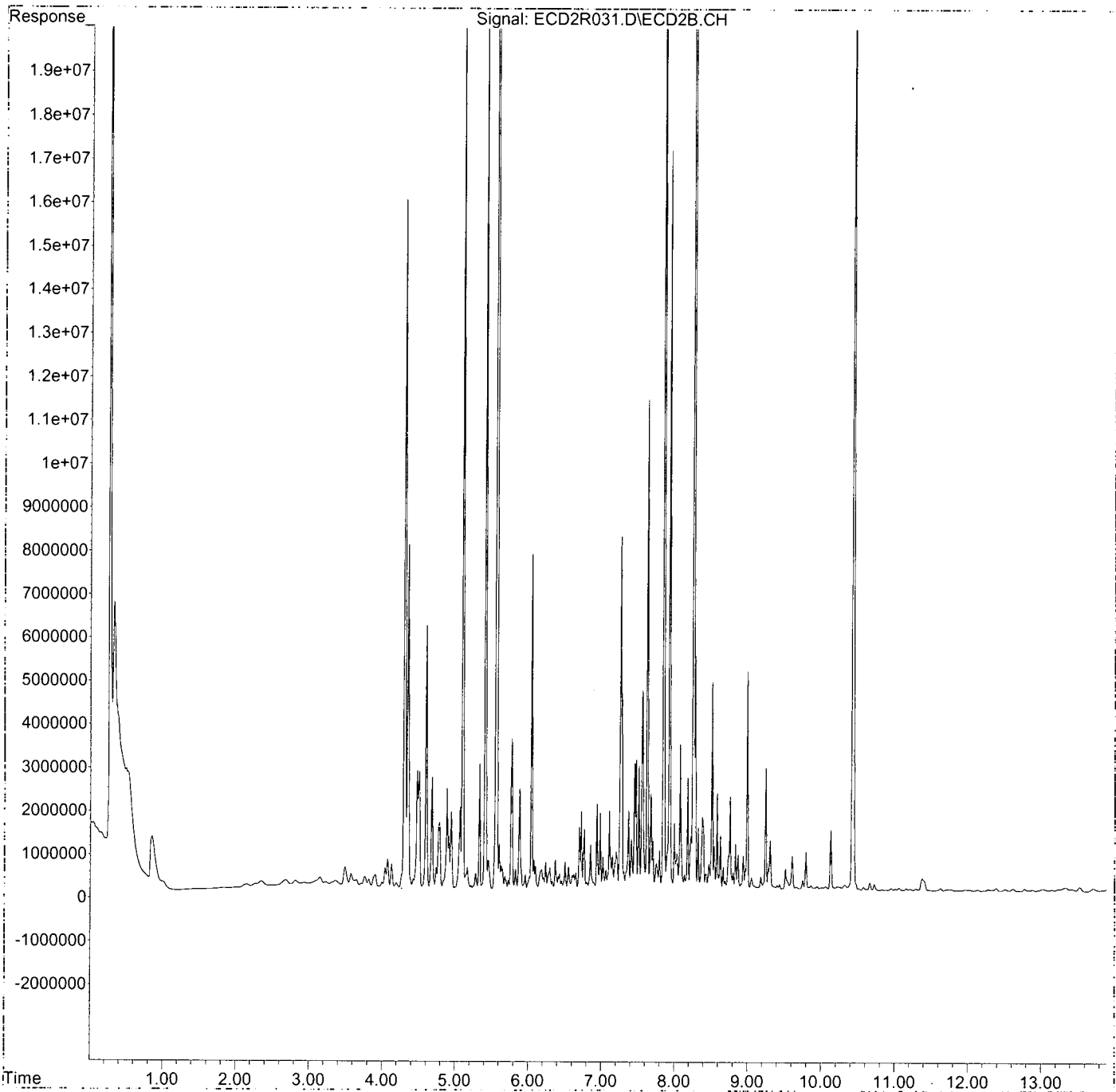
response 807006

MJB
4/13/20

Data Path : K:\DATA\0D13025\
Data File : ECD2R031.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 15:52
Operator : MJB / KAK
Sample : A0D0212-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:49:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R033.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 16:28
 Operator : MJB / KAK
 Sample : A0D0212-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:50:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/12/2020
 1242 P-10
 1260 P-10

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) | 5.565 | 77034538 | 260.015 | ng/ml |
| 62) S DCBP (S) | 10.433 | 33875761 | 202.889 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 440569 | 46.155 | ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 1343419 | 80.425 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 931466 | 120.525 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 1612845 | 201.021 | ng/ml |
| 6) Aroclor 1016 (5) | 6.985 | 1370728 | 157.845 | ng/ml |
| 7) Aroclor 1016 (6) | 7.111 | 1410493 | 160.504 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.725 | 85296 | 38.576 | ng/ml |
| 10) Aroclor 1221 (2) | 5.826 | 234699 | 108.404 | ng/ml |
| 11) Aroclor 1221 (3) | 5.905 | 322700 | 44.677 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.905 | 322700 | 52.818 | ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 440569 | 117.908 | ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 1343419 | 195.943 | ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 1612845 | 638.564 | ng/ml |
| 17) Aroclor 1232 (5) | 6.985 | 1370728 | 451.052 | ng/ml |
| 18) Aroclor 1232 (6) | 7.111 | 1410493 | 440.215 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 440569 | 63.190 | ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 1343419 | 107.652 | ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 931466 | 164.926 | ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 1612845 | 303.423 | ng/ml |
| 24) Aroclor 1242 (5) | 6.985 | 1370728 | 224.504 | ng/ml |
| 25) Aroclor 1242 (6) | 7.111 | 1410493 | 216.406 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 1343419 | 190.418 | ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 1612845 | 179.422 | ng/ml |
| 29) Aroclor 1248 (3) | 6.985 | 1370728 | 164.074 | ng/ml |
| 30) Aroclor 1248 (4) | 7.111 | 1410493 | 138.899 | ng/ml |
| 31) Aroclor 1248 (5) | 7.476 | 2401493 | 185.873 | ng/ml |
| 32) Aroclor 1248 (6) | 7.625 | 25372386 | 2201.764 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.454 | 2534235 | 196.511 | ng/ml |
| 35) Aroclor 1254 (2) | 7.625 | 25372386 | 1240.927 | ng/ml |
| 36) Aroclor 1254 (3) | 7.930 | 36541786 | 1654.109 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 2498297 | 143.939 | ng/ml |
| 38) Aroclor 1254 (5) | 8.500 | 74449104 | 4499.672 | ng/ml |
| 39) Aroclor 1254 (6) | 8.760-8.742 | 2303682 | 458.350 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 36591250 | 219.315 | ng/ml |
| 42) Aroclor 1260 (2) | 8.260 | 183221671 | 8844.130 | ng/ml |
| 43) Aroclor 1260 (3) | 8.500 | 74449104 | 3576.974 | ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 5596647 | 164.850 | ng/ml |

Handwritten: 111.923

Handwritten: R-02

Handwritten: 161.320MI

Handwritten: 150.413

Data Path : K:\DATA\0D13025\
 Data File : ECD2R033.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 16:28
 Operator : MJB / KAK
 Sample : A0D0212-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:50:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|-----------|-----------------|
| 45) Aroclor 1260 (5) | 9.245 | 3171385 | 160.237 ng/ml |
| 46) Aroclor 1260 (6) | 9.795 | 981964 | 126.151 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.260 | 183221671 | 11260.816 ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 2297046 | 105.183 ng/ml |
| 50) Aroclor 1262 (3) | 8.760 | 2303682 | 128.355 ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 5596647 | 144.701 ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 3171385 | 135.880 ng/ml |
| 53) Aroclor 1262 (6) | 9.795 | 981964 | 94.440 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.802 | 464833 | 47.880 ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 3171385 | 73.580 ng/ml |
| 57) Aroclor 1268 (3) | 9.308 | 1244800 | 35.138 ng/ml |
| 58) Aroclor 1268 (4) | 9.516 | 726862 | 24.299 ng/ml |
| 59) Aroclor 1268 (5) | 9.795 | 981964 | 82.029 ng/ml |
| 60) Aroclor 1268 (6) | 10.133 | 2446401 | 30.218 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

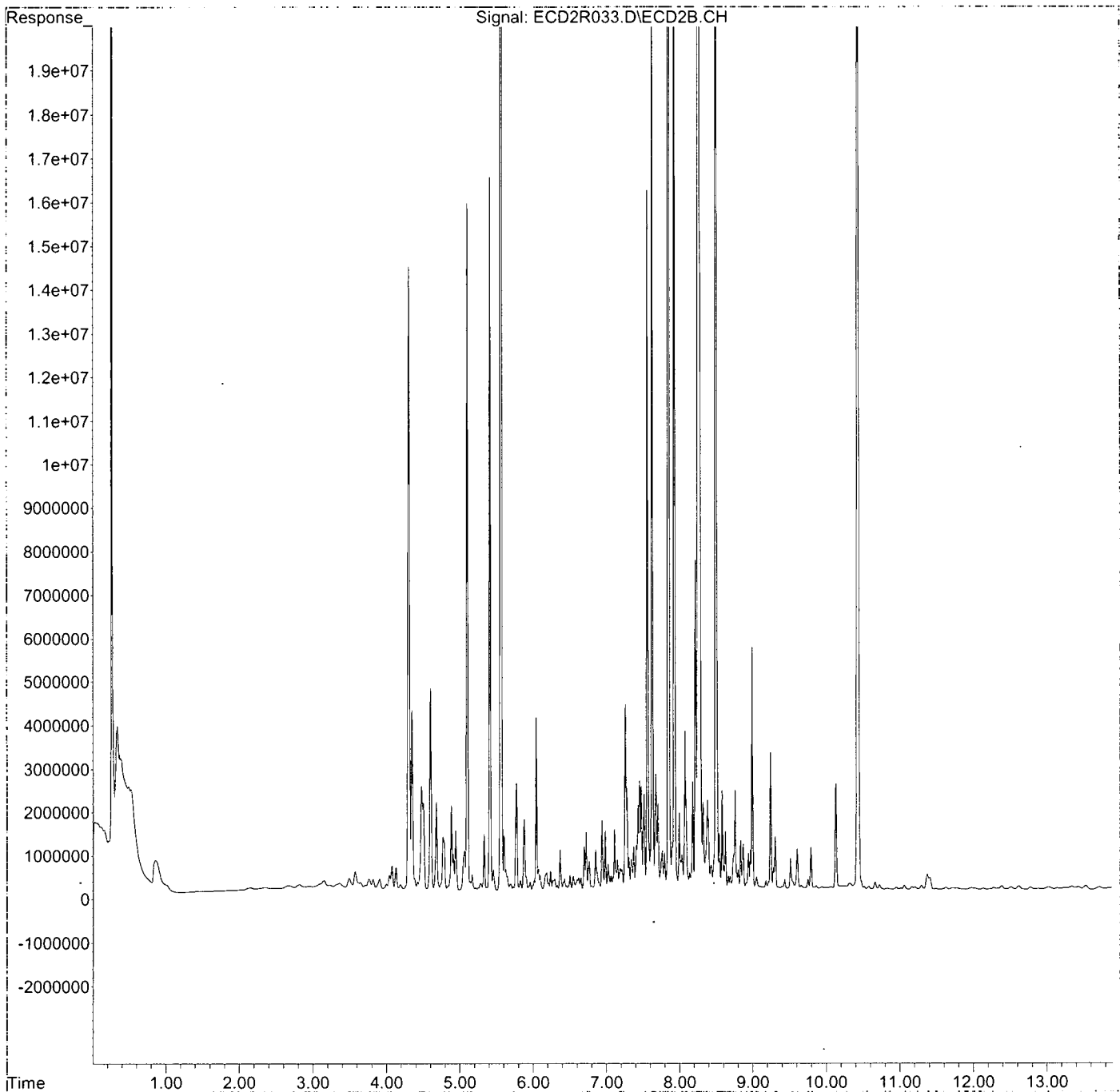
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R033.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 16:28
Operator : MJB / KAK
Sample : A0D0212-04
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:50:12 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R035.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:03
 Operator : MJB / KAK
 Sample : A0D0212-05
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:50:36 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/12/20
1260

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) | 5.564 | 58717335 | 198.188 ng/ml |
| 62) S DCBP (S) | 10.434 | 27621237 | 165.429 ng/ml |

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.236 | 232343 | 24.341 ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 738051 | 44.184 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 999213 | 129.291 ng/ml |
| 5) Aroclor 1016 (4) | 6.941 | 1137528 | 141.779 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 783081 | 90.175 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 832385 | 94.720 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.736 | 65219 | 29.495 ng/ml |
| 10) Aroclor 1221 (2) | 5.826 | 206598 | 95.424 ng/ml |
| 11) Aroclor 1221 (3) | 5.906 | 335455 | 46.443 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.906 | 335455 | 54.906 ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 232343 | 62.181 ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 738051 | 107.648 ng/ml |
| 16) Aroclor 1232 (4) | 6.941 | 1137528 | 450.375 ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 783081 | 257.681 ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 832385 | 259.787 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 232343 | 33.325 ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 738051 | 59.142 ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 999213 | 176.922 ng/ml |
| 23) Aroclor 1242 (4) | 6.941 | 1137528 | 214.002 ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 783081 | 128.257 ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 832385 | 127.709 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 738051 | 104.612 ng/ml |
| 28) Aroclor 1248 (2) | 6.941 | 1137528 | 126.545 ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 783081 | 93.733 ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 832385 | 81.969 ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 1511685 | 117.003 ng/ml |
| 32) Aroclor 1248 (6) | 7.626 | 42023508 | 3646.714 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.452 | 2670807 | 207.101 ng/ml |
| 35) Aroclor 1254 (2) | 7.626 | 42023508 | 2055.309 ng/ml |
| 36) Aroclor 1254 (3) | 7.932 | 87572343 | 3964.070 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 2935146 | 169.108 ng/ml |
| 38) Aroclor 1254 (5) | 8.499 | 24532350 | 1482.725 ng/ml |
| 39) Aroclor 1254 (6) | 8.761 | 3621115 | 720.472 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.079 | 6097461 | 365.459 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 13340773 | 643.961 ng/ml |
| 43) Aroclor 1260 (3) | 8.499 | 24532350 | 1178.679 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 8786581 | 258.810 ng/ml |

Handwritten: R-02

Handwritten: 235.120

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R035.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:03
 Operator : MJB / KAK
 Sample : A0D0212-05
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:50:36 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 9.246 | 4914852 | 248.327 | ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 1542987 | 198.224 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.284 | 13340773 | 819.925 | ng/ml |
| 49) Aroclor 1262 (2) | 8.584 | 4214449 | 192.983 | ng/ml |
| 50) Aroclor 1262 (3) | 8.761 | 3621115 | 201.759 | ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 8786581 | 227.176 | ng/ml |
| 52) Aroclor 1262 (5) | 9.246 | 4914852 | 210.581 | ng/ml |
| 53) Aroclor 1262 (6) | 9.796 | 1542987 | 148.396 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.802 | 630854 | 64.980 | ng/ml |
| 56) Aroclor 1268 (2) | 9.246 | 4914852 | 114.030 | ng/ml |
| 57) Aroclor 1268 (3) | 9.309 | 1786350 | 50.425 | ng/ml |
| 58) Aroclor 1268 (4) | 9.517 | 644816 | 21.556 | ng/ml |
| 59) Aroclor 1268 (5) | 9.796 | 1542987 | 128.894 | ng/ml |
| 60) Aroclor 1268 (6) | 10.134 | 1904551 | 23.525 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

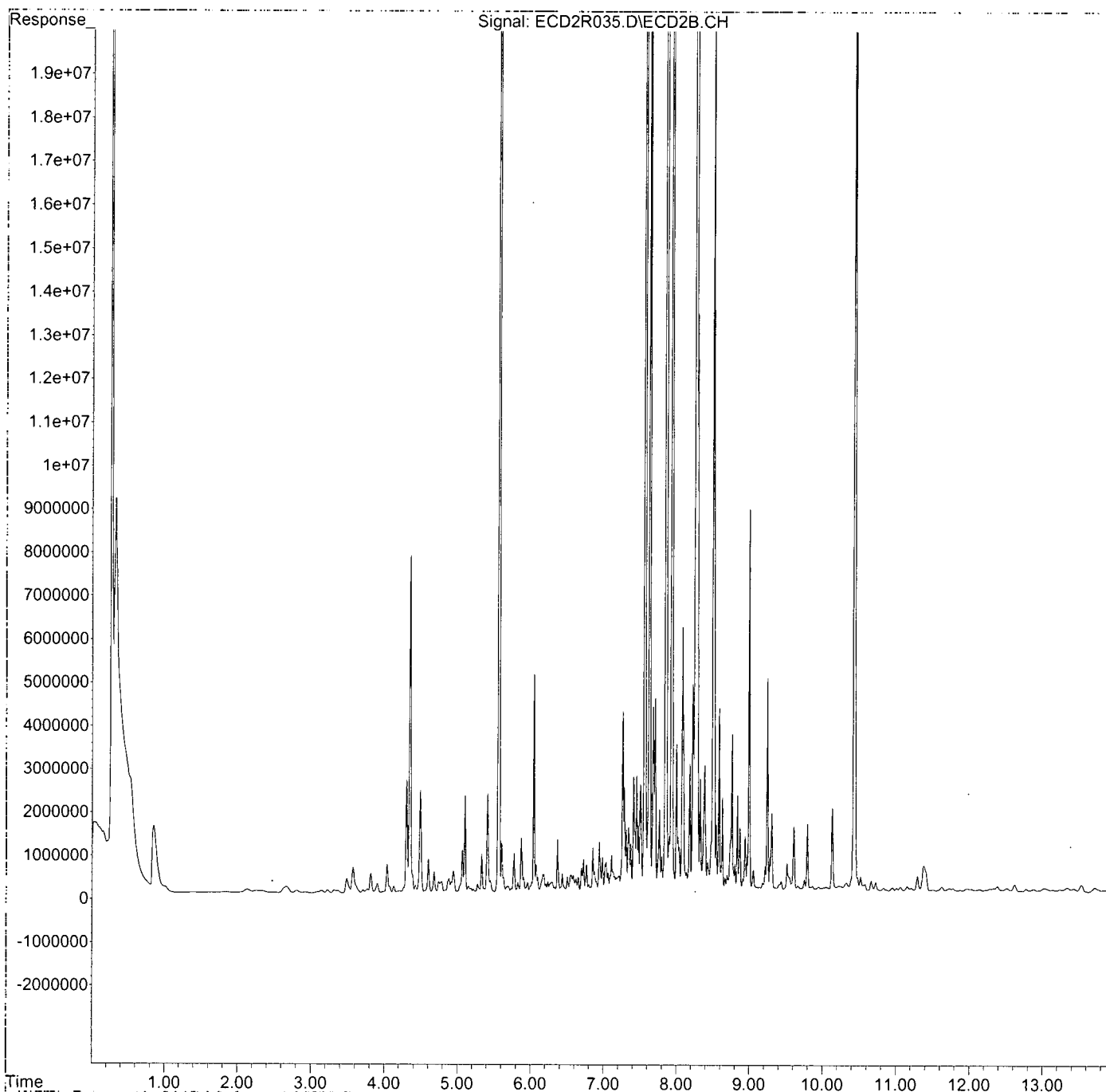
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R035.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:03
Operator : MJB / KAK
Sample : A0D0212-05
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:50:36 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R037.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:38
 Operator : MJB / KAK
 Sample : 0D13025-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:51:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/20/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.563 | 75895835 | 256.171 | ng/ml |
| 62) S DCBP (S) | 10.431 | 40900635 | 244.962 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.234 | 4245143 | 444.730 | ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 7764124 | 464.805 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 3599842 | 465.793 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 3430953 | 427.626 | ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 3763967 | 433.437 | ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 3741651 | 425.774 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.739 | 290750 | 131.492 | ng/ml |
| 10) Aroclor 1221 (2) | 5.812 | 552055 | 254.985 | ng/ml |
| 11) Aroclor 1221 (3) | 5.899 | 2617434 | 362.375 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.899 | 2617434 | 428.412 | ng/ml |
| 14) Aroclor 1232 (2) | 6.234 | 4245143 | 1136.117 | ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 7764124 | 1132.429 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 3430953 | 1358.397 | ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 3763967 | 1238.570 | ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 3741651 | 1167.769 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.234 | 4245143 | 608.876 | ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 7764124 | 622.161 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 3599842 | 637.392 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 3430953 | 645.462 | ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 3763967 | 616.480 | ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 3741651 | 574.066 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 7764124 | 1100.497 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 3430953 | 381.679 | ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 3763967 | 450.540 | ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 3741651 | 368.460 | ng/ml |
| 31) Aroclor 1248 (5) | 7.472 | 827968 | 64.084 | ng/ml |
| 32) Aroclor 1248 (6) | 7.630 | 2986855 | 259.193 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 2534738 | 196.550 | ng/ml |
| 35) Aroclor 1254 (2) | 7.630 | 2986855 | 146.083 | ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 1747179 | 79.088 | ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 1180699 | 68.026 | ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 9220791 | 557.301 | ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 1297878 | 258.231 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.075 | 7437584 | 445.781 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 9002535 | 434.553 | ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 9220791 | 443.021 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 15303632 | 450.770 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R037.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:38
 Operator : MJB / KAK
 Sample : 0D13025-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:51:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 9.244 | 8953893 | 452.402 | ng/ml |
| 46) Aroclor 1260 (6) | 9.793 | 3427157 | 440.279 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.283 | 9002535 | 553.296 | ng/ml |
| 49) Aroclor 1262 (2) | 8.582 | 6694214 | 306.533 | ng/ml |
| 50) Aroclor 1262 (3) | 8.758 | 6664156 | 371.309 | ng/ml |
| 51) Aroclor 1262 (4) | 8.994 | 15303632 | 395.674 | ng/ml |
| 52) Aroclor 1262 (5) | 9.244 | 8953893 | 383.636 | ng/ml |
| 53) Aroclor 1262 (6) | 9.793 | 3427157 | 329.606 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.799 | 453784 | 46.741 | ng/ml |
| 56) Aroclor 1268 (2) | 9.244 | 8953893 | 207.740 | ng/ml |
| 57) Aroclor 1268 (3) | 9.306 | 3409380 | 96.240 | ng/ml |
| 58) Aroclor 1268 (4) | 9.514 | 293835 | 9.823 | ng/ml |
| 59) Aroclor 1268 (5) | 9.793 | 3427157 | 286.288 | ng/ml |
| 60) Aroclor 1268 (6) | 10.130 | 853935 | 10.548 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

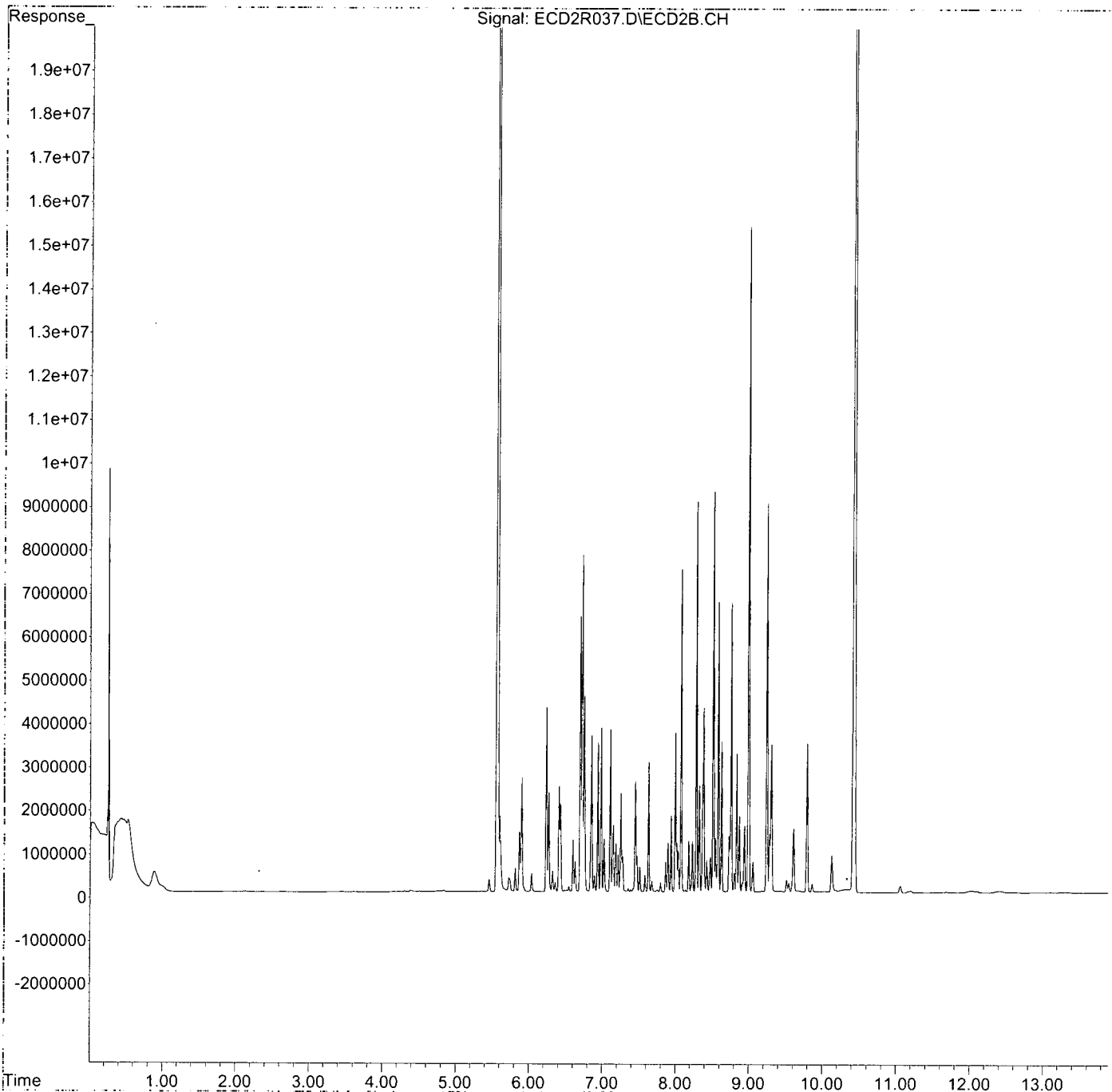
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R037.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:38
Operator : MJB / KAK
Sample : 0D13025-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D13025\
 Data File : ECD2R038.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:56
 Operator : MJB / KAK
 Sample : 0D13025-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:51:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/120/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|--------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.562 | 28684090 | 96.817 ng/ml |
| 62) S DCBP (S) | 10.431 | 13706476 | 82.091 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.242 | 7302 | 0.765 ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 12348 | 0.739 ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 12175 | 1.575 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 11322 | 1.411 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 11864 | 1.366 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 12373 | 1.408 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.752 | 18115 | 8.192 ng/ml |
| 10) Aroclor 1221 (2) | 5.816 | 10303 | 4.759 ng/ml |
| 11) Aroclor 1221 (3) | 5.870 | 560101 | 77.544 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.870 | 560101 | 91.675 ng/ml |
| 14) Aroclor 1232 (2) | 6.242 | 7302 | 1.954 ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 12348 | 1.801 ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 11322 | 4.483 ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 11864 | 3.904 ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 12373 | 3.862 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.242 | 7302 | 1.047 ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 12348 | 0.989 ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 12175 | 2.156 ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 11322 | 2.130 ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 11864 | 1.943 ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 12373 | 1.898 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 12348 | 1.750 ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 11322 | 1.260 ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 11864 | 1.420 ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 12373 | 1.218 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 10736 | 0.831 ng/ml |
| 32) Aroclor 1248 (6) | 7.643 | 16153 | 1.402 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.453 | 10800 | 0.837 ng/ml |
| 35) Aroclor 1254 (2) | 7.643 | 16153 | 0.790 ng/ml |
| 36) Aroclor 1254 (3) | 7.936 | 11452 | 0.518 ng/ml |
| 37) Aroclor 1254 (4) | 8.166 | 8181 | 0.471 ng/ml |
| 38) Aroclor 1254 (5) | 8.507 | 5229 | 0.316 ng/ml |
| 39) Aroclor 1254 (6) | 8.741 | 4042 | 0.804 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 8598 | 0.515 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 7997 | 0.386 ng/ml |
| 43) Aroclor 1260 (3) | 8.522 | 4118 | 0.198 ng/ml |
| 44) Aroclor 1260 (4) | 9.002 | 12810 | 0.377 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
 Data File : ECD2R038.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Apr 2020 17:56
 Operator : MJB / KAK
 Sample : 0D13025-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 14 07:51:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|-------------|
| 45) Aroclor 1260 (5) | 9.291f | 3325 | 0.168 ng/ml |
| 46) Aroclor 1260 (6) | 9.798 | 4242 | 0.545 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 7997 | 0.491 ng/ml |
| 49) Aroclor 1262 (2) | 8.588 | 3406 | 0.156 ng/ml |
| 50) Aroclor 1262 (3) | 8.777 | 15781 | 0.879 ng/ml |
| 51) Aroclor 1262 (4) | 9.002 | 12810 | 0.331 ng/ml |
| 52) Aroclor 1262 (5) | 9.291f | 3325 | 0.142 ng/ml |
| 53) Aroclor 1262 (6) | 9.798 | 4242 | 0.408 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.817 | 8507 | 0.876 ng/ml |
| 56) Aroclor 1268 (2) | 9.291f | 3325 | 0.077 ng/ml |
| 57) Aroclor 1268 (3) | 9.305 | 4267 | 0.120 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 264876 | 8.855 ng/ml |
| 59) Aroclor 1268 (5) | 9.798 | 4242 | 0.354 ng/ml |
| 60) Aroclor 1268 (6) | 10.131 | 536456 | 6.626 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

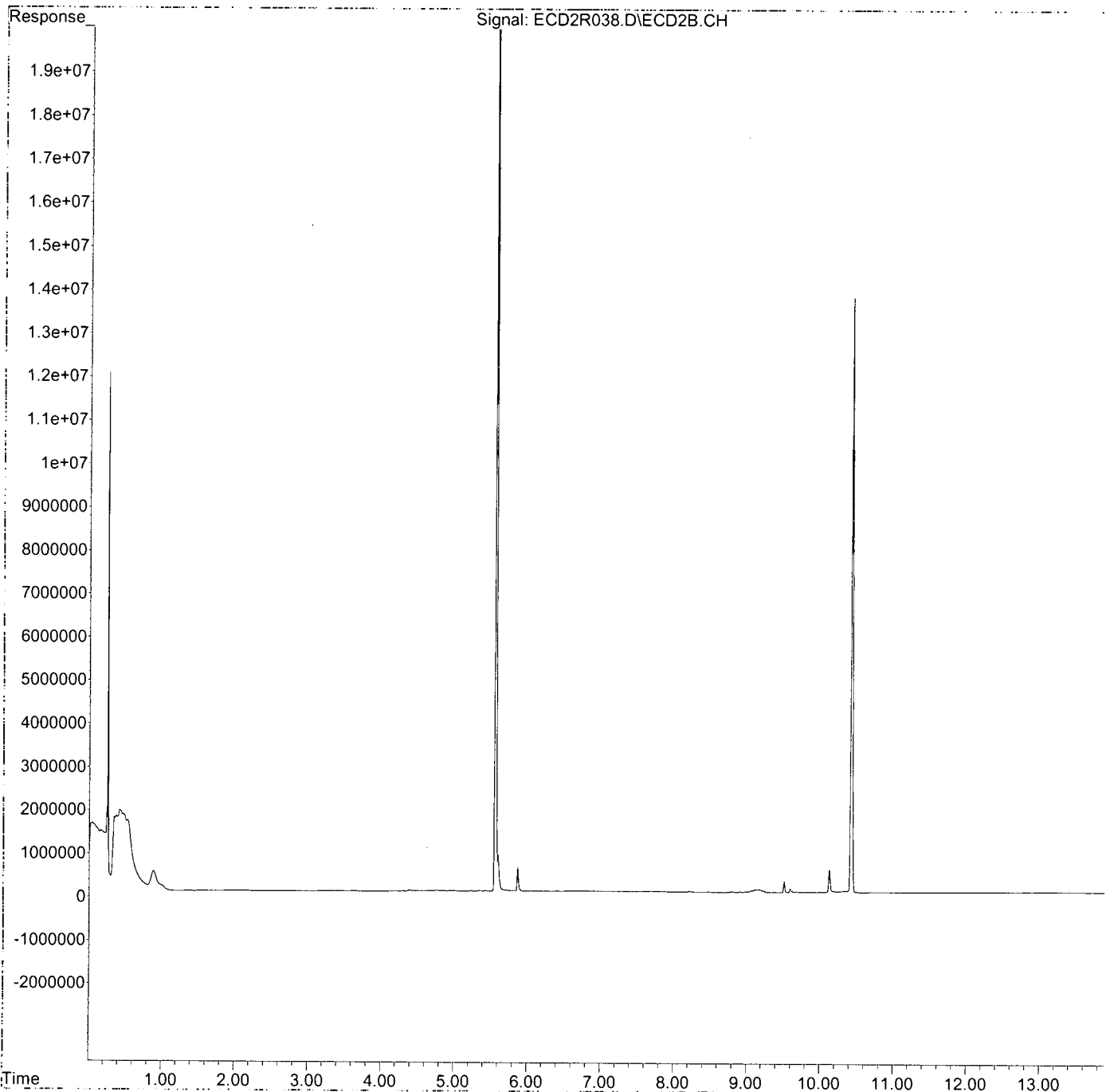
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D13025\
Data File : ECD2R038.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:56
Operator : MJB / KAK
Sample : 0D13025-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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
Benchsheet & Analysis Sequence Data**

Batch 0040417
Sequence 0D14026 (A0D0212-01)



Apex Laboratories
PREPARATION BENCH SHEET

APR 22 2020

BATCH #: 0040417 (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 | 5-8 | >11 |
| | 0040417-BLK1 | QC | 04/13/20 09:27 | 31 | 2 | | | | 100 | | | | | |
| | 0040417-BS1 | QC | 04/13/20 09:27 | 30 | 2 | A20C487 | | 100 | 100 | | | | | |
| | A0D0212-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.56 | 2 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP, +1262,1268 | | | |
| | 0040417-DUP1 | QC | 04/13/20 09:27 | 30.58 | 2 | | A0D0212-01 | | 100 | | | | | |
| | 0040417-MS1 | QC | 04/13/20 09:27 | 30.6 | 2 | A20C487 | A0D0212-01 | 100 | 100 | | | | | |
| | 0040417-MSD1 | QC | 04/13/20 09:28 | 30.61 | 2 | A20C487 | A0D0212-01 | 100 | 100 | | | | | |
| | A0D0212-06 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.56 | 2 | | | | 100 | PDI-077SC-A-08-09-191014 | +1262,1268 | | | |
| | A0D0212-06RE1 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.56 | 2 | | | | 100 | PDI-077SC-A-08-09-191014 | Added 4/16/2020 By KAK | | | |
| | A0D0212-07 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.33 | 2 | | | | 100 | PDI-077SC-A-09-10-191014 | +1262,1268 | | | |
| | A0D0212-08 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.48 | 2 | | | | 100 | PDI-077SC-A-10-11-191014 | +1262,1268 | | | |
| | A0D0212-09 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.27 | 2 | | | | 100 | PDI-077SC-A-11-12-191014 | +1262,1268 | | | |

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 | A20C487 | 08/24/20 | 8082 PCB Matrix Spike | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A19C104 | 09/03/23 | Florisil Lot 817211-CM | | | | | | |
| A19G279 | 01/18/22 | Sulfuric Acid | | | | | | |
| A19I211 | 05/07/22 | Copper, Granular Lot# J260003 | | | | | | |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____


 Reviewed By: _____ Date 4/17/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040417 (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 | |
| 1 | 0040417-BLK1 | QC | 04/13/20 09:27 | 30.31 | 2 | | | | 100 | | | | | | |
| 2 | 0040417-BS1 | QC | 04/13/20 09:27 | 30 | 2 | A20C487 | | 100 | 100 | | | | | | |
| 3 | A0D0212-01 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.56 | 2 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP, +1262,1268 | | | | |
| 4 | 0040417-DUP1 | QC | 04/13/20 09:27 | 30.58 | 2 | | A0D0212-01 | | 100 | | Mud | | | | |
| 5 | 0040417-MS1 | QC | 04/13/20 09:27 | 30.60 | 2 | A20C487 | A0D0212-01 | 100 | 100 | | Mud | | | | |
| 6 | 0040417-MSD1 | QC | 04/13/20 09:28 | 30.61 | 2 | A20C487 | A0D0212-01 | 100 | 100 | | Mud | | | | |
| 7 | A0D0212-06 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.56 | 2 | | | | 100 | PDI-077SC-A-08-09-191014 | +1262,1268 | | | | |
| 8 | A0D0212-07 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.33 | 2 | | | | 100 | PDI-077SC-A-09-10-191014 | +1262,1268 | | | | |
| 9 | A0D0212-08 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.48 | 2 | | | | 100 | PDI-077SC-A-10-11-191014 | +1262,1268 | | | | |
| 10 | A0D0212-09 | A 8082 PCBs - Low Level (30g/2mL) | 04/13/20 09:27 | 30.27 | 2 | | | | 100 | PDI-077SC-A-11-12-191014 | +1262,1268 | | | | |

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 | A20C487 | 08/24/20 | 8082 PCB Matrix Spike | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A19C104 | 09/03/23 | Florisil Lot 817211-CM | | | | | | |
| A19G279 | 01/18/22 | Sulfuric Acid | | | | | | |
| A19I211 | 05/07/22 | Copper, Granular Lot# J260003 | | | | | | |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: JAG

Witness: CAM 4/13/20

Prepared By: JAG Date: 4/13/2020

Reviewed By: CAS Date: 04/13/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D14026

Instrument: DUALECD2F

Date: 04/14/20 06:13

Calibration: A0D1302

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|-------------|---------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D14026-CCV1 | Water | QC | QC | | | | A20C132 |
| 2 | 0D14026-CCB1 | Water | QC | QC | | | | A20C404 |
| 3 | 0040261-BLK5 | Water | QC | QC | | 0040261 | | |
| 4 | 0040261-BS5 | Water | QC | QC | | 0040261 | | |
| 5 | 0040259-BLK5 | Soil | QC | QC | | 0040259 | | |
| 6 | 0040259-BS5 | Soil | QC | QC | | 0040259 | | |
| 7 | 0040254-BLK5 | ansformer (| QC | QC | | 0040254 | | |
| 8 | 0040254-BS5 | ansformer (| QC | QC | | 0040254 | | |
| 9 | 0D14026-CCV2 | Water | QC | QC | | | | A20C132 |
| 10 | 0D14026-CCB2 | Water | QC | QC | | | | A20C404 |
| 11 | 0040417-BLK1 | Sediment | QC | QC | | 0040417 | | |
| 12 | 0040417-BS1 | Sediment | QC | QC | | 0040417 | | |
| 13 | A0D0212-01 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 14 | 0D14026-IBL1 | Water | QC | QC | | | | |
| 15 | 0040417-DUP1 | Sediment | QC | QC | | 0040417 | | |
| 16 | 0D14026-IBL2 | Water | QC | QC | | | | |
| 17 | 0040417-MS1 | Sediment | QC | QC | | 0040417 | | |
| 18 | 0D14026-IBL3 | Water | QC | QC | | | | |
| 19 | 0040417-MSD1 | Sediment | QC | QC | | 0040417 | | |
| 20 | 0D14026-IBL4 | Water | QC | QC | | | | |
| 21 | 0D14026-CCV3 | Water | QC | QC | | | | A20C132 |
| 22 | 0D14026-CCB3 | Water | QC | QC | | | | A20C404 |

Data Entered By: *[Signature]* 4/14/20

Comments: Includes LOG study

Data Reviewed By: *[Signature]* 4/14/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D14026-CCV1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 421.73 |
| 1016 (1) | 421.73 |
| 1016 (1) | 421.73 |
| 1016 (2) | 429.47 |
| 1016 (2) | 429.47 |
| 1016 (2) | 429.47 |
| 1016 (3) | 425.59 |
| 1016 (3) | 425.59 |
| 1016 (3) | 425.59 |
| 1016 (4) | 439.28 |
| 1016 (4) | 439.28 |
| 1016 (4) | 439.28 |
| 1016 (5) | 415.13 |
| 1016 (5) | 415.13 |
| 1016 (5) | 415.13 |
| 1016 (6) | 407.29 |
| 1016 (6) | 407.29 |
| 1016 (6) | 407.29 |
| Average: | 423.08 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 453.77 |
| 1260 (1) | 453.77 |
| 1260 (1) | 453.77 |
| 1260 (2) | 442.29 |
| 1260 (2) | 442.29 |
| 1260 (2) | 442.29 |
| 1260 (3) | 431.69 |
| 1260 (3) | 431.69 |
| 1260 (3) | 431.69 |
| 1260 (4) | 439.89 |
| 1260 (4) | 439.89 |
| 1260 (4) | 439.89 |
| 1260 (5) | 457.76 |
| 1260 (5) | 457.76 |
| 1260 (5) | 457.76 |
| 1260 (6) | 442.14 |
| 1260 (6) | 442.14 |
| 1260 (6) | 442.14 |
| Average: | 444.59 ✓ |

0040261-BS5

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.

0040261-BS5

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 14.57 |
| 1016 (2) | 12.76 |
| 1016 (3) | 12.87 |
| 1016 (4) | 15.58 |
| 1016 (5) | 13.34 |
| 1016 (6) | 13.25 |
| Average: | 13.73 / |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 15.42 |
| 1260 (2) | 15.93 |
| 1260 (3) | 15.38 |
| 1260 (4) | 16.06 |
| 1260 (5) | 14.48 |
| 1260 (6) | 19.66 |
| Average: | 16.16 / |

0040259-BS5

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 16.47 |
| 1016 (2) | 14.00 |
| 1016 (3) | 14.83 |
| 1016 (4) | 17.26 |
| 1016 (5) | 15.53 |
| 1016 (6) | 15.27 |
| Average: | 15.56 / |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 18.46 |
| 1260 (2) | 18.34 |
| 1260 (3) | 19.46 |
| 1260 (4) | 18.69 |
| 1260 (5) | 18.04 |
| 1260 (6) | 21.84 |
| Average: | 19.14 / |

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.

0040254-BS5

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 19.09 |
| 1016 (2) | 13.19 |
| 1016 (3) | 16.44 |
| 1016 (4) | 17.63 |
| 1016 (5) | 15.98 |
| 1016 (6) | 13.25 |
| Average: | 15.93 / |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 17.66 |
| 1260 (2) | 16.73 |
| 1260 (3) | 16.82 |
| 1260 (4) | 15.11 |
| 1260 (5) | 15.94 |
| 1260 (6) | 16.45 |
| Average: | 16.45 / |

0D14026-CCV2

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.

0D14026-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 463.24 |
| 1016 (1) | 463.24 |
| 1016 (1) | 463.24 |
| 1016 (1) | 463.24 |
| 1016 (2) | 464.27 |
| 1016 (2) | 464.27 |
| 1016 (2) | 464.27 |
| 1016 (2) | 464.27 |
| 1016 (3) | 459.24 |
| 1016 (3) | 459.24 |
| 1016 (3) | 459.24 |
| 1016 (3) | 459.24 |
| 1016 (4) | 452.32 |
| 1016 (4) | 452.32 |
| 1016 (4) | 452.32 |
| 1016 (4) | 452.32 |
| 1016 (5) | 440.78 |
| 1016 (5) | 440.78 |
| 1016 (5) | 440.78 |
| 1016 (5) | 440.78 |
| 1016 (6) | 452.00 |
| 1016 (6) | 452.00 |
| 1016 (6) | 452.00 |
| 1016 (6) | 452.00 |
| Average: | 455.31 / |

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.

0D14026-CCV2

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 452.88 |
| 1260 (1) | 452.88 |
| 1260 (1) | 452.88 |
| 1260 (1) | 452.88 |
| 1260 (2) | 462.07 |
| 1260 (2) | 462.07 |
| 1260 (2) | 462.07 |
| 1260 (2) | 462.07 |
| 1260 (3) | 455.88 |
| 1260 (3) | 455.88 |
| 1260 (3) | 455.88 |
| 1260 (3) | 455.88 |
| 1260 (4) | 468.44 |
| 1260 (4) | 468.44 |
| 1260 (4) | 468.44 |
| 1260 (4) | 468.44 |
| 1260 (5) | 475.23 |
| 1260 (5) | 475.23 |
| 1260 (5) | 475.23 |
| 1260 (5) | 475.23 |
| 1260 (6) | 456.09 |
| 1260 (6) | 456.09 |
| 1260 (6) | 456.09 |
| 1260 (6) | 456.09 |
| Average: | 461.77 ✓ |

0040417-BS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 648.53 |
| 1016 (2) | 743.25 |
| 1016 (3) | 657.71 |
| 1016 (4) | 723.13 |
| 1016 (5) | 664.25 |
| 1016 (6) | 636.07 |
| Average: | 678.82 ✓ |

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.

0040417-BS1

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 835.18 |
| 1260 (2) | 918.30 |
| 1260 (3) | 908.89 |
| 1260 (4) | 961.28 |
| 1260 (5) | 917.62 |
| 1260 (6) | 938.01 |
| Average: | 913.21 ✓ |

0040417-MS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 773.87 |
| 1016 (2) | 863.15 |
| 1016 (3) | 729.38 |
| 1016 (4) | 833.95 |
| 1016 (5) | 928.17 |
| 1016 (6) | 828.06 |
| Average: | 826.10 ✓ |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|----------------------------|
| 1260 (1) | 828.62 |
| 1260 (2) | 880.79 |
| 1260 (3) | 726.67 |
| 1260 (4) | 836.26 |
| 1260 (5) | 786.64 |
| 1260 (6) | 750.35 |
| Average: | 801.56 774.98 ✓ |

MJB
4/19/20

0040417-MSD1

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.

0040417-MSD1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 829.11 |
| 1016 (2) | 925.67 |
| 1016 (3) | 798.49 |
| 1016 (4) | 891.70 |
| 1016 (5) | 1,004.99 |
| 1016 (6) | 868.66 |
| Average: | 886.44 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|---------------------------------|
| 1260 (1) | Ø 863.17 |
| 1260 (2) | Ø 913.06 |
| 1260 (3) | 770.55 |
| 1260 (4) | 841.28 |
| 1260 (5) | 837.48 |
| 1260 (6) | 793.97 |
| Average: | 836.59 810.82 |

*MBB
4/14/20*

0D14026-CCV3

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 437.66 |
| 1016 (2) | 448.44 |
| 1016 (3) | 438.23 |
| 1016 (4) | 443.78 |
| 1016 (5) | 446.26 |
| 1016 (6) | 430.92 |
| Average: | 440.88 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 445.09 |
| 1260 (2) | 453.66 |
| 1260 (3) | 446.63 |
| 1260 (4) | 447.10 |
| 1260 (5) | 464.67 |
| 1260 (6) | 451.95 |
| Average: | 451.52 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:14 am
 Operator : MJB / KAK
 Sample : 0D14026-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

ANALYZE

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.745 | 17618738 | 231.372 | ng/ml |
| 62) S DCBP (S) | 9.485 | 35643655 | 234.360 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.661 | 2007631 | 421.733 | ng/ml |
| 3) Aroclor 1016 (2) | 6.074 | 4419627 | 429.475 | ng/ml |
| 4) Aroclor 1016 (3) | 6.156 | 2272086 | 425.585 | ng/ml |
| 5) Aroclor 1016 (4) | 6.313 | 2119233 | 439.284 | ng/ml |
| 6) Aroclor 1016 (5) | 6.534 | 2350147 | 415.126 | ng/ml |
| 7) Aroclor 1016 (6) | 6.660 | 1659209 | 407.293 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.102 | 509895 | 351.603 | ng/ml |
| 10) Aroclor 1221 (2) | 5.219 | 230103 | 235.388 | ng/ml |
| 11) Aroclor 1221 (3) | 5.299 | 946005 | 298.545 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.299 | 946005 | 364.587 | ng/ml |
| 14) Aroclor 1232 (2) | 6.074 | 4419627 | 1042.324 | ng/ml |
| 15) Aroclor 1232 (3) | 6.156 | 2272086 | 1021.958 | ng/ml |
| 16) Aroclor 1232 (4) | 6.313 | 2119233 | 1287.474 | ng/ml |
| 17) Aroclor 1232 (5) | 6.534 | 2350147 | 1090.254 | ng/ml |
| 18) Aroclor 1232 (6) | 6.660 | 1659209 | 946.840 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.661 | 2007631 | 551.824 | ng/ml |
| 21) Aroclor 1242 (2) | 6.074 | 4419627 | 556.020 | ng/ml |
| 22) Aroclor 1242 (3) | 6.156 | 2272086 | 567.996 | ng/ml |
| 23) Aroclor 1242 (4) | 6.313 | 2119233 | 638.100 | ng/ml |
| 24) Aroclor 1242 (5) | 6.534 | 2350147 | 543.581 | ng/ml |
| 25) Aroclor 1242 (6) | 6.660 | 1659209 | 460.375 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.074 | 4419627 | 902.647 | ng/ml |
| 28) Aroclor 1248 (2) | 6.313 | 2119233 | 353.655 | ng/ml |
| 29) Aroclor 1248 (3) | 6.534 | 2350147 | 349.490 | ng/ml |
| 30) Aroclor 1248 (4) | 6.828 | 456020 | 55.467 | ng/ml |
| 31) Aroclor 1248 (5) | 6.861 | 1657035 | 210.268 | ng/ml |
| 32) Aroclor 1248 (6) | 7.348 | 3758378 | 825.863 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.861 | 1657035 | 190.705 | ng/ml |
| 35) Aroclor 1254 (2) | 6.972 | 1753191 | 156.035 | ng/ml |
| 36) Aroclor 1254 (3) | 7.348 | 3758378 | 223.564 | ng/ml |
| 37) Aroclor 1254 (4) | 7.508 | 510846 | 47.840 | ng/ml |
| 38) Aroclor 1254 (5) | 7.887 | 4879448 | 415.290 | ng/ml |
| 39) Aroclor 1254 (6) | 8.178 | 554865 | 147.174 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 5093000 | 453.771 | ng/ml |
| 42) Aroclor 1260 (2) | 7.595 | 6253116 | 442.288 | ng/ml |
| 43) Aroclor 1260 (3) | 8.149 | 4576807 | 431.692 | ng/ml |
| 44) Aroclor 1260 (4) | 8.320 | 11478993 | 439.894 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:14 am
 Operator : MJB / KAK
 Sample : 0D14026-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.617 | 7750899 | 457.757 ng/ml |
| 46) Aroclor 1260 (6) | 9.005 | 3098137 | 442.137 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.595 | 6253116 | 565.939 ng/ml |
| 49) Aroclor 1262 (2) | 7.917 | 4766973 | 313.978 ng/ml |
| 50) Aroclor 1262 (3) | 8.149 | 4576807 | 347.522 ng/ml |
| 51) Aroclor 1262 (4) | 8.320 | 11478993 | 390.164 ng/ml |
| 52) Aroclor 1262 (5) | 8.617 | 7750899 | 427.622 ng/ml |
| 53) Aroclor 1262 (6) | 9.005 | 3098137 | 320.781 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.149 | 4576807 | 644.660 ng/ml |
| 56) Aroclor 1268 (2) | 8.566 | 2585355 | 74.247 ng/ml |
| 57) Aroclor 1268 (3) | 8.617 | 7750899 | 267.783 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 335697 | 13.084 ng/ml |
| 59) Aroclor 1268 (5) | 9.005 | 3098137 | 285.028 ng/ml |
| 60) Aroclor 1268 (6) | 9.256 | 798397 | 10.191 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

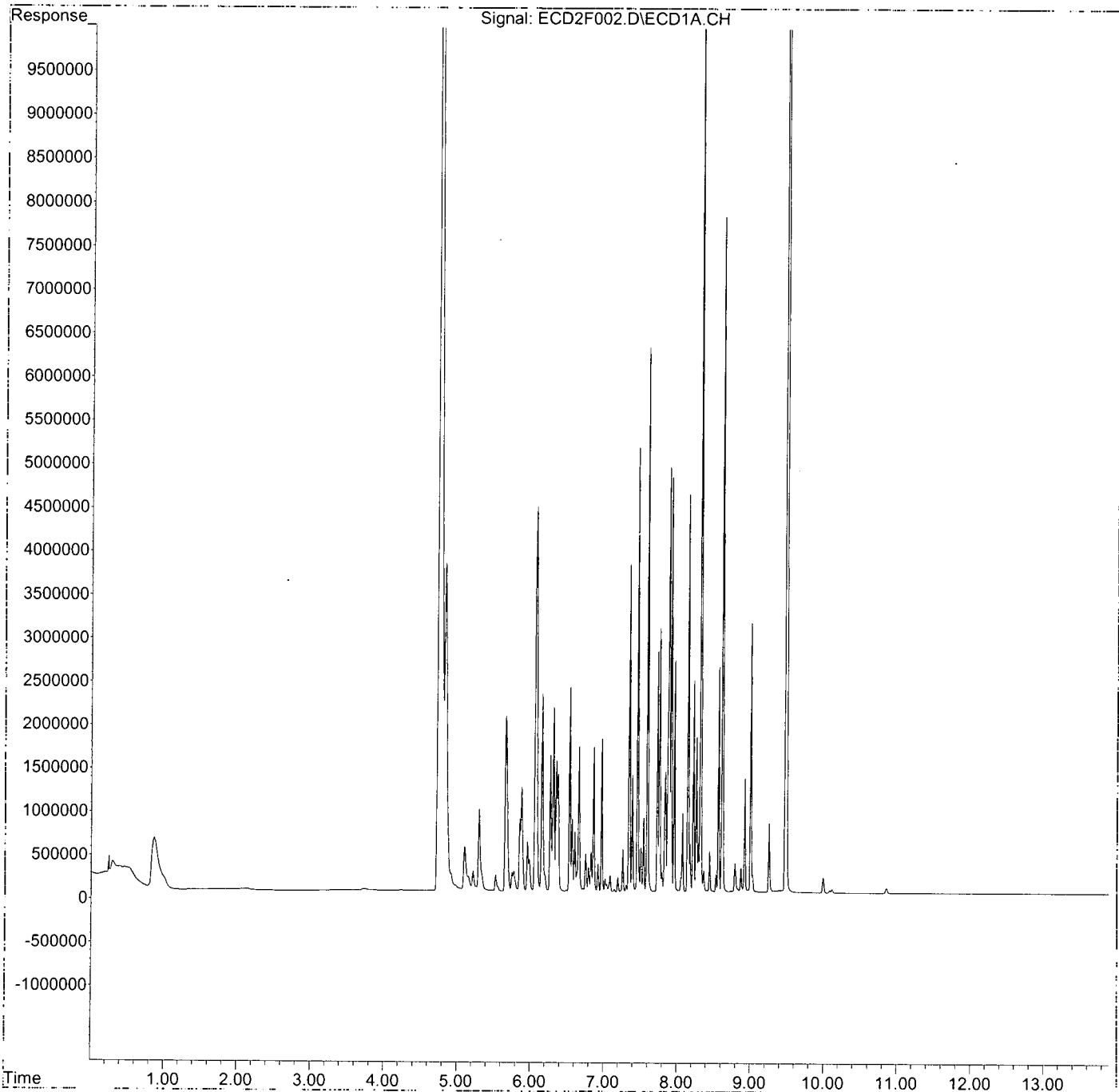
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 7:14 am
Operator : MJB / KAK
Sample : 0D14026-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:31:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:32 am
 Operator : MJB / KAK
 Sample : 0D14026-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*4/14/20
Clean*

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

| Compound | R.T. | Response | Conc Units |
|------------------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.747 | 6569569 | 86.273 ng/ml |
| 62) S DCBP (S) | 9.483 | 12785314 | 84.064 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.657 | 2719 | 0.571 ng/ml |
| 3) Aroclor 1016 (2) | 6.090 | 6722 | 0.653 ng/ml |
| 4) Aroclor 1016 (3) | 6.147 | 252 | 0.047 ng/ml |
| 5) Aroclor 1016 (4) | 6.321 | 1301 | 0.270 ng/ml |
| 6) Aroclor 1016 (5) | 6.522 | 560 | 0.099 ng/ml |
| 7) Aroclor 1016 (6) | 6.664 | 2302 | 0.565 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.104 | 158598 | 109.363 ng/ml |
| 10) Aroclor 1221 (2) | 5.269f | 13562 | 13.873 ng/ml |
| 11) Aroclor 1221 (3) | 5.286 | 12796 | 4.038 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.286 | 12796 | 4.931 ng/ml |
| 14) Aroclor 1232 (2) | 6.090 | 6722 | 1.585 ng/ml |
| 15) Aroclor 1232 (3) | 6.147 | 252 | 0.113 ng/ml |
| 16) Aroclor 1232 (4) | 6.321 | 1301 | 0.790 ng/ml |
| 17) Aroclor 1232 (5) | 6.542 | 1722 | 0.799 ng/ml |
| 18) Aroclor 1232 (6) | 6.664 | 2302 | 1.314 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.657 | 2719 | 0.747 ng/ml |
| 21) Aroclor 1242 (2) | 6.090 | 6722 | 0.846 ng/ml |
| 22) Aroclor 1242 (3) | 6.147 | 252 | 0.063 ng/ml |
| 23) Aroclor 1242 (4) | 6.321 | 1301 | 0.392 ng/ml |
| 24) Aroclor 1242 (5) | 6.522 | 560 | 0.130 ng/ml |
| 25) Aroclor 1242 (6) | 6.664 | 2302 | 0.639 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.090 | 6722 | 1.373 ng/ml |
| 28) Aroclor 1248 (2) | 6.321 | 1301 | 0.217 ng/ml |
| 29) Aroclor 1248 (3) | 6.542 | 1722 | 0.256 ng/ml |
| 30) Aroclor 1248 (4) | 6.824 | 560 | 0.068 ng/ml |
| 31) Aroclor 1248 (5) | 6.870 | 1264 | 0.160 ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 3475 | 0.764 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.850 | 806 | 0.093 ng/ml |
| 35) Aroclor 1254 (2) | 6.974 | 1308 | 0.116 ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 3475 | 0.207 ng/ml |
| 37) Aroclor 1254 (4) | 7.510 | 2533 | 0.237 ng/ml |
| 38) Aroclor 1254 (5) | 7.896 | 15946 | 1.357 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 2909 | 0.772 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.462 | 4674 | 0.416 ng/ml |
| 42) Aroclor 1260 (2) | 7.614 | 20294 | 1.435 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 5668 | 0.535 ng/ml |
| 44) Aroclor 1260 (4) | 8.314 | 26607 | 1.020 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:32 am
 Operator : MJB / KAK
 Sample : 0D14026-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.620 | 6986 | 0.413 ng/ml |
| 46) Aroclor 1260 (6) | 9.006 | 5921 | 0.845 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.614 | 20294 | 1.837 ng/ml |
| 49) Aroclor 1262 (2) | 7.896 | 15946 | 1.050 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 5668 | 0.430 ng/ml |
| 51) Aroclor 1262 (4) | 8.314 | 26607 | 0.904 ng/ml |
| 52) Aroclor 1262 (5) | 8.620 | 6986 | 0.385 ng/ml |
| 53) Aroclor 1262 (6) | 9.006 | 5921 | 0.613 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 5668 | 0.798 ng/ml |
| 56) Aroclor 1268 (2) | 8.566 | 5207 | 0.150 ng/ml |
| 57) Aroclor 1268 (3) | 8.620 | 6986 | 0.241 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 256784 | 10.008 ng/ml |
| 59) Aroclor 1268 (5) | 9.006 | 5921 | 0.545 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 522452 | 6.669 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

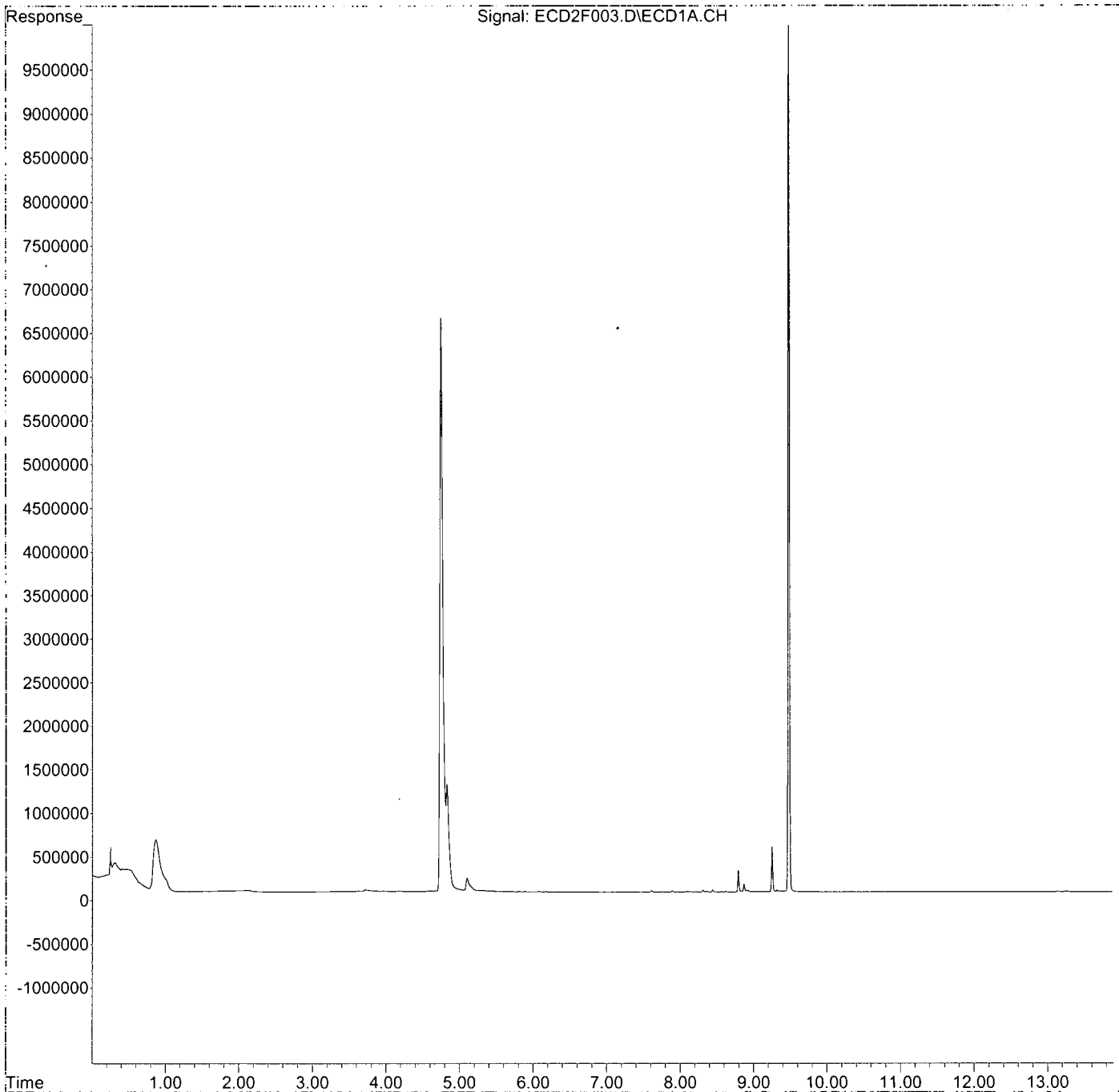
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 7:32 am
Operator : MJB / KAK
Sample : 0D14026-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:31:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:49 am
 Operator : MJB / KAK
 Sample : 0040261-BLK5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/14/20
 LQA

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) | 4.744 | 32832415 | 431.161 ng/ml |
| 62) S DCBP (S) | 9.483 | 84295901 | 554.252 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.653 | 6551 | 1.376 ng/ml |
| 3) Aroclor 1016 (2) | 6.080 | 3537 | 0.344 ng/ml |
| 4) Aroclor 1016 (3) | 6.138 | 1313 | 0.246 ng/ml |
| 5) Aroclor 1016 (4) | 6.309 | 2033 | 0.421 ng/ml |
| 6) Aroclor 1016 (5) | 6.531 | 1431 | 0.253 ng/ml |
| 7) Aroclor 1016 (6) | 6.660 | 3785 | 0.929 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.101 | 635299 | 438.077 ng/ml |
| 10) Aroclor 1221 (2) | 5.254 <i>5.211</i> | 16989 | 17.379 ng/ml |
| 11) Aroclor 1221 (3) | 5.290 | 85484 | 26.978 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.290 | 85484 | 32.945 ng/ml |
| 14) Aroclor 1232 (2) | 6.080 | 3537 | 0.834 ng/ml |
| 15) Aroclor 1232 (3) | 6.138 | 1313 | 0.591 ng/ml |
| 16) Aroclor 1232 (4) | 6.309 | 2033 | 1.235 ng/ml |
| 17) Aroclor 1232 (5) | 6.531 | 1431 | 0.664 ng/ml |
| 18) Aroclor 1232 (6) | 6.660 | 3785 | 2.160 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.653 | 6551 | 1.801 ng/ml |
| 21) Aroclor 1242 (2) | 6.080 | 3537 | 0.445 ng/ml |
| 22) Aroclor 1242 (3) | 6.138 | 1313 | 0.328 ng/ml |
| 23) Aroclor 1242 (4) | 6.309 | 2033 | 0.612 ng/ml |
| 24) Aroclor 1242 (5) | 6.531 | 1431 | 0.331 ng/ml |
| 25) Aroclor 1242 (6) | 6.660 | 3785 | 1.050 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.080 | 3537 | 0.722 ng/ml |
| 28) Aroclor 1248 (2) | 6.309 | 2033 | 0.339 ng/ml |
| 29) Aroclor 1248 (3) | 6.531 | 1431 | 0.213 ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 1630 | 0.198 ng/ml |
| 31) Aroclor 1248 (5) | 6.863 | 2486 | 0.316 ng/ml |
| 32) Aroclor 1248 (6) | 7.342 | 8392 | 1.844 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.863 | 2486 | 0.286 ng/ml |
| 35) Aroclor 1254 (2) | 6.982 | 4229 | 0.376 ng/ml |
| 36) Aroclor 1254 (3) | 7.342 | 8392 | 0.499 ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 7812 | 0.732 ng/ml |
| 38) Aroclor 1254 (5) | 7.895 | 32461 | 2.763 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 11976 | 3.176 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 8444 | 0.752 ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 9846 | 0.696 ng/ml |
| 43) Aroclor 1260 (3) | 8.142 | 13657 | 1.288 ng/ml |
| 44) Aroclor 1260 (4) | 8.312 | 70992 | 2.721 ng/ml |

Handwritten:
 25.620 M7
 N.P.M.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 7:49 am
 Operator : MJB / KAK
 Sample : 0040261-BLK5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:31:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|-------------|
| 45) Aroclor 1260 (5) | 8.614 | 20819 | 1.230 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 28489 | 4.066 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 9846 | 0.891 ng/ml |
| 49) Aroclor 1262 (2) | 7.895 | 32461 | 2.138 ng/ml |
| 50) Aroclor 1262 (3) | 8.142 | 13657 | 1.037 ng/ml |
| 51) Aroclor 1262 (4) | 8.312 | 70992 | 2.413 ng/ml |
| 52) Aroclor 1262 (5) | 8.614 | 20819 | 1.149 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 28489 | 2.950 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.142 | 13657 | 1.924 ng/ml |
| 56) Aroclor 1268 (2) | 8.568 | 16592 | 0.476 ng/ml |
| 57) Aroclor 1268 (3) | 8.614 | 20819 | 0.719 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 217823 | 8.490 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 28489 | 2.621 ng/ml |
| 60) Aroclor 1268 (6) | 9.256 | 236627 | 3.020 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

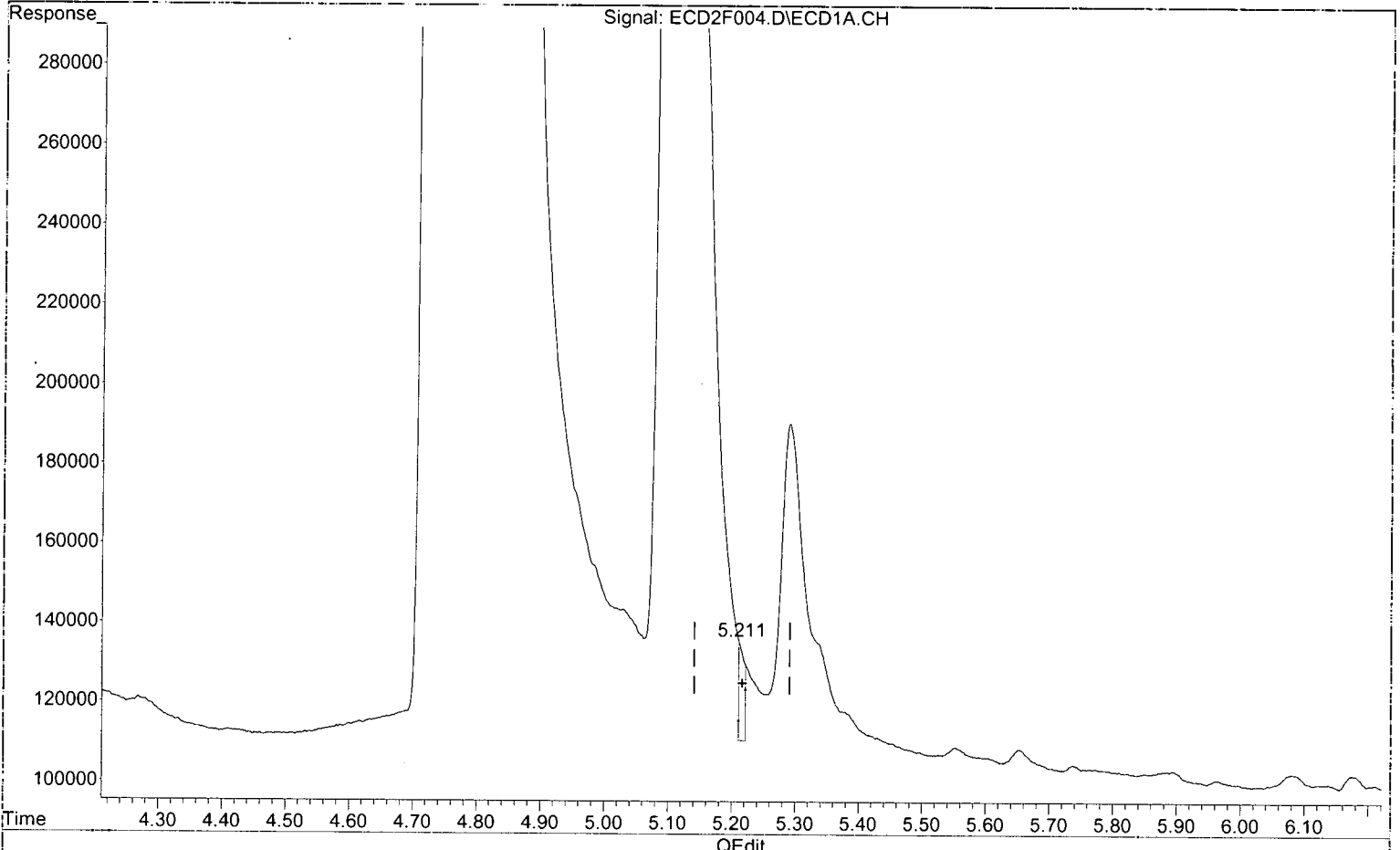
(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0D14026\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 7:49 am
Operator : MJB / KAK
Sample : 0040261-BLK5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:31:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



(10) Aroclor 1221 (2)

5.211min 25.620 ng/ml

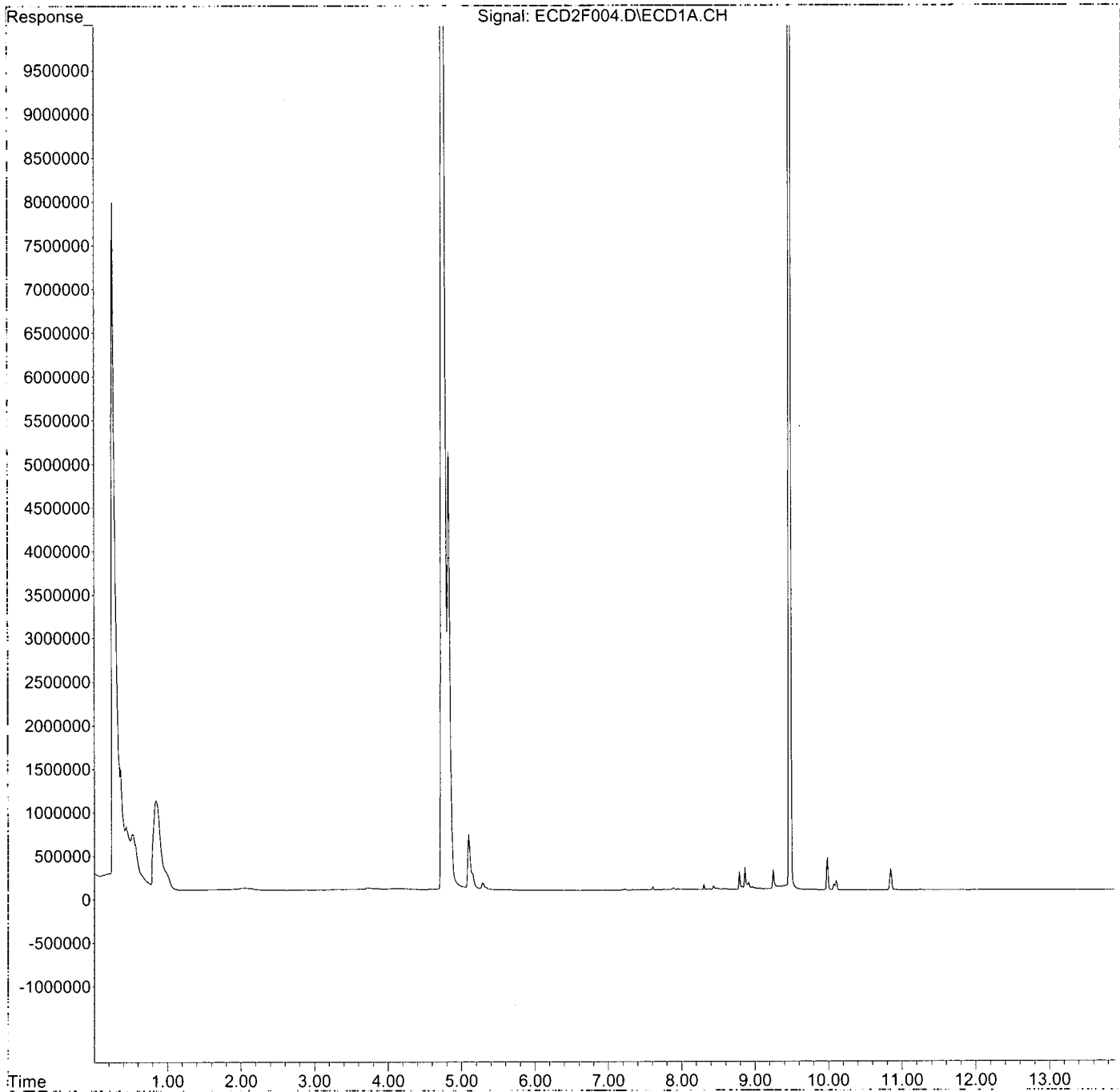
response 25045

MJB
4/14/20

Data Path : K:\DATA\0D14026\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 7:49 am
Operator : MJB / KAK
Sample : 0040261-BLK5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:31:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:07 am
 Operator : MJB / KAK
 Sample : 0040261-BS5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:32:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20
LOG

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) | 4.742 | 23460686 | 308.090 | ng/ml |
| 62) S DCBP (S) | 9.482 | 65377624 | 429.863 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 69377 | 14.574 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 131306 | 12.760 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 68734 | 12.875 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 75155 | 15.579 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 75540 | 13.343 | ng/ml |
| 7) Aroclor 1016 (6) | 6.657 | 53967 | 13.248 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.100 | 457752 | 315.648 | ng/ml |
| 10) Aroclor 1221 (2) | 5.255f | 19150 | 19.590 | ng/ml |
| 11) Aroclor 1221 (3) | 5.294 | 92509 | 29.195 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.294 | 92509 | 35.653 | ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 131306 | 30.967 | ng/ml |
| 15) Aroclor 1232 (3) | 6.153 | 68734 | 30.916 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 75155 | 45.658 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 75540 | 35.044 | ng/ml |
| 18) Aroclor 1232 (6) | 6.657 | 53967 | 30.797 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 69377 | 19.069 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 131306 | 16.519 | ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 68734 | 17.183 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 75155 | 22.629 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 75540 | 17.472 | ng/ml |
| 25) Aroclor 1242 (6) | 6.657 | 53967 | 14.974 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 131306 | 26.817 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 75155 | 12.542 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 75540 | 11.234 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 17169 | 2.088 | ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 59917 | 7.603 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 130345 | 28.642 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 59917 | 6.896 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 74176 | 6.602 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 130345 | 7.753 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 23358 | 2.187 | ng/ml |
| 38) Aroclor 1254 (5) | 7.885 | 168981 | 14.382 | ng/ml |
| 39) Aroclor 1254 (6) | 8.175 | 23786 | 6.309 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 173032 | 15.417 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 225182 | 15.927 | ng/ml |
| 43) Aroclor 1260 (3) | 8.146 | 163016 | 15.376 | ng/ml |
| 44) Aroclor 1260 (4) | 8.316 | 419010 | 16.057 | ng/ml |

Data Path : K:\DATA\0D14026\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:07 am
 Operator : MJB / KAK
 Sample : 0040261-BS5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:32:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.614 | 245233 | 14.483 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 137762 | 19.660 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 225182 | 20.380 ng/ml |
| 49) Aroclor 1262 (2) | 7.915 | 180729 | 11.904 ng/ml |
| 50) Aroclor 1262 (3) | 8.146 | 163016 | 12.378 ng/ml |
| 51) Aroclor 1262 (4) | 8.316 | 419010 | 14.242 ng/ml |
| 52) Aroclor 1262 (5) | 8.614 | 245233 | 13.530 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 137762 | 14.264 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.146 | 163016 | 22.961 ng/ml |
| 56) Aroclor 1268 (2) | 8.563 | 112624 | 3.234 ng/ml |
| 57) Aroclor 1268 (3) | 8.614 | 245233 | 8.472 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 199972 | 7.794 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 137762 | 12.674 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 233410 | 2.979 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

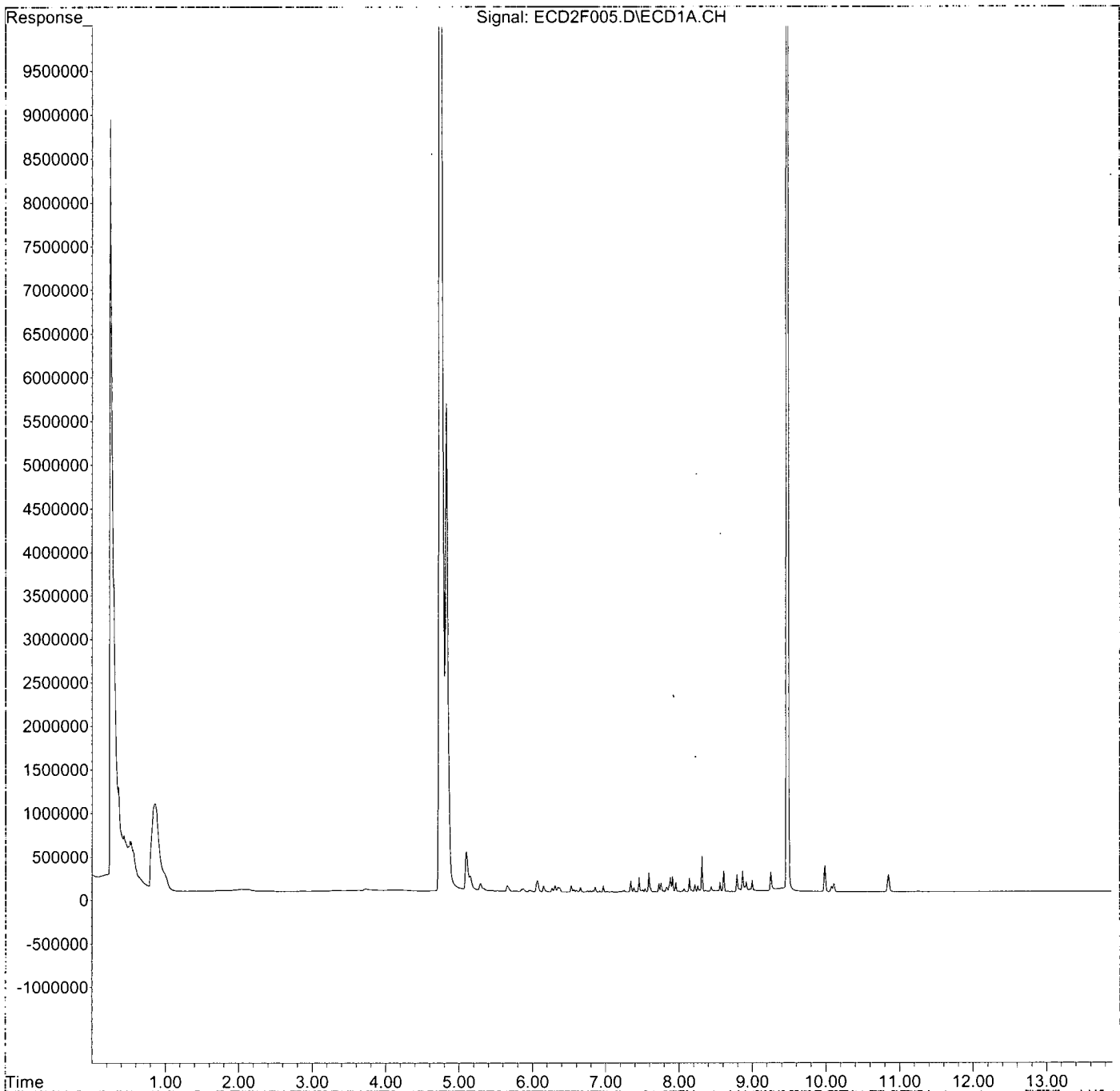
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 8:07 am
Operator : MJB / KAK
Sample : 0040261-BS5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:32:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:24 am
 Operator : MJB / KAK
 Sample : 0040259-BLK5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:32:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/14/20
 Clean
 LQA

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) | 4.746 | 9232844 | 121.247 | ng/ml |
| 62) S DCBP (S) | 9.483 | 38507830 | 253.192 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.654 | 4805 | 1.009 | ng/ml |
| 3) Aroclor 1016 (2) | 6.075 | 1818 | 0.177 | ng/ml |
| 4) Aroclor 1016 (3) | 6.150 | 402 | 0.075 | ng/ml |
| 5) Aroclor 1016 (4) | 6.309 | 1061 | 0.220 | ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 1023 | 0.181 | ng/ml |
| 7) Aroclor 1016 (6) | 6.660 | 2242 | 0.550 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.102 | 212491 | 146.526 | ng/ml |
| 10) Aroclor 1221 (2) | 5.264f | 16394 | 16.770 | ng/ml |
| 11) Aroclor 1221 (3) | 5.295 | 16668 | 5.260 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.295 | 16668 | 6.424 | ng/ml |
| 14) Aroclor 1232 (2) | 6.075 | 1818 | 0.429 | ng/ml |
| 15) Aroclor 1232 (3) | 6.150 | 402 | 0.181 | ng/ml |
| 16) Aroclor 1232 (4) | 6.309 | 1061 | 0.645 | ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 1023 | 0.474 | ng/ml |
| 18) Aroclor 1232 (6) | 6.660 | 2242 | 1.279 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.654 | 4805 | 1.321 | ng/ml |
| 21) Aroclor 1242 (2) | 6.075 | 1818 | 0.229 | ng/ml |
| 22) Aroclor 1242 (3) | 6.150 | 402 | 0.101 | ng/ml |
| 23) Aroclor 1242 (4) | 6.309 | 1061 | 0.319 | ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 1023 | 0.237 | ng/ml |
| 25) Aroclor 1242 (6) | 6.660 | 2242 | 0.622 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.075 | 1818 | 0.371 | ng/ml |
| 28) Aroclor 1248 (2) | 6.309 | 1061 | 0.177 | ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 1023 | 0.152 | ng/ml |
| 30) Aroclor 1248 (4) | 6.825 | 734 | 0.089 | ng/ml |
| 31) Aroclor 1248 (5) | 6.861 | 1217 | 0.154 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 2339 | 0.514 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.861 | 1217 | 0.140 | ng/ml |
| 35) Aroclor 1254 (2) | 6.976 | 716 | 0.064 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 2339 | 0.139 | ng/ml |
| 37) Aroclor 1254 (4) | 7.508 | 2680 | 0.251 | ng/ml |
| 38) Aroclor 1254 (5) | 7.895 | 17420 | 1.483 | ng/ml |
| 39) Aroclor 1254 (6) | 8.178 | 3500 | 0.928 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 3537 | 0.315 | ng/ml |
| 42) Aroclor 1260 (2) | 7.614 | 25664 | 1.815 | ng/ml |
| 43) Aroclor 1260 (3) | 8.144 | 3673 | 0.346 | ng/ml |
| 44) Aroclor 1260 (4) | 8.312 | 40698 | 1.560 | ng/ml |

Data Path : K:\DATA\0D14026\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:24 am
 Operator : MJB / KAK
 Sample : 0040259-BLK5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:32:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|-------------|
| 45) Aroclor 1260 (5) | 8.618 | 7362 | 0.435 ng/ml |
| 46) Aroclor 1260 (6) | 8.972 | 24656 | 3.519 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.614 | 25664 | 2.323 ng/ml |
| 49) Aroclor 1262 (2) | 7.895 | 17420 | 1.147 ng/ml |
| 50) Aroclor 1262 (3) | 8.144 | 3673 | 0.279 ng/ml |
| 51) Aroclor 1262 (4) | 8.312 | 40698 | 1.383 ng/ml |
| 52) Aroclor 1262 (5) | 8.618 | 7362 | 0.406 ng/ml |
| 53) Aroclor 1262 (6) | 8.972 | 24656 | 2.553 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.144 | 3673 | 0.517 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 6426 | 0.185 ng/ml |
| 57) Aroclor 1268 (3) | 8.618 | 7362 | 0.254 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 139057 | 5.420 ng/ml |
| 59) Aroclor 1268 (5) | 8.972 | 24656 | 2.268 ng/ml |
| 60) Aroclor 1268 (6) | 9.256 | 153703 | 1.962 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

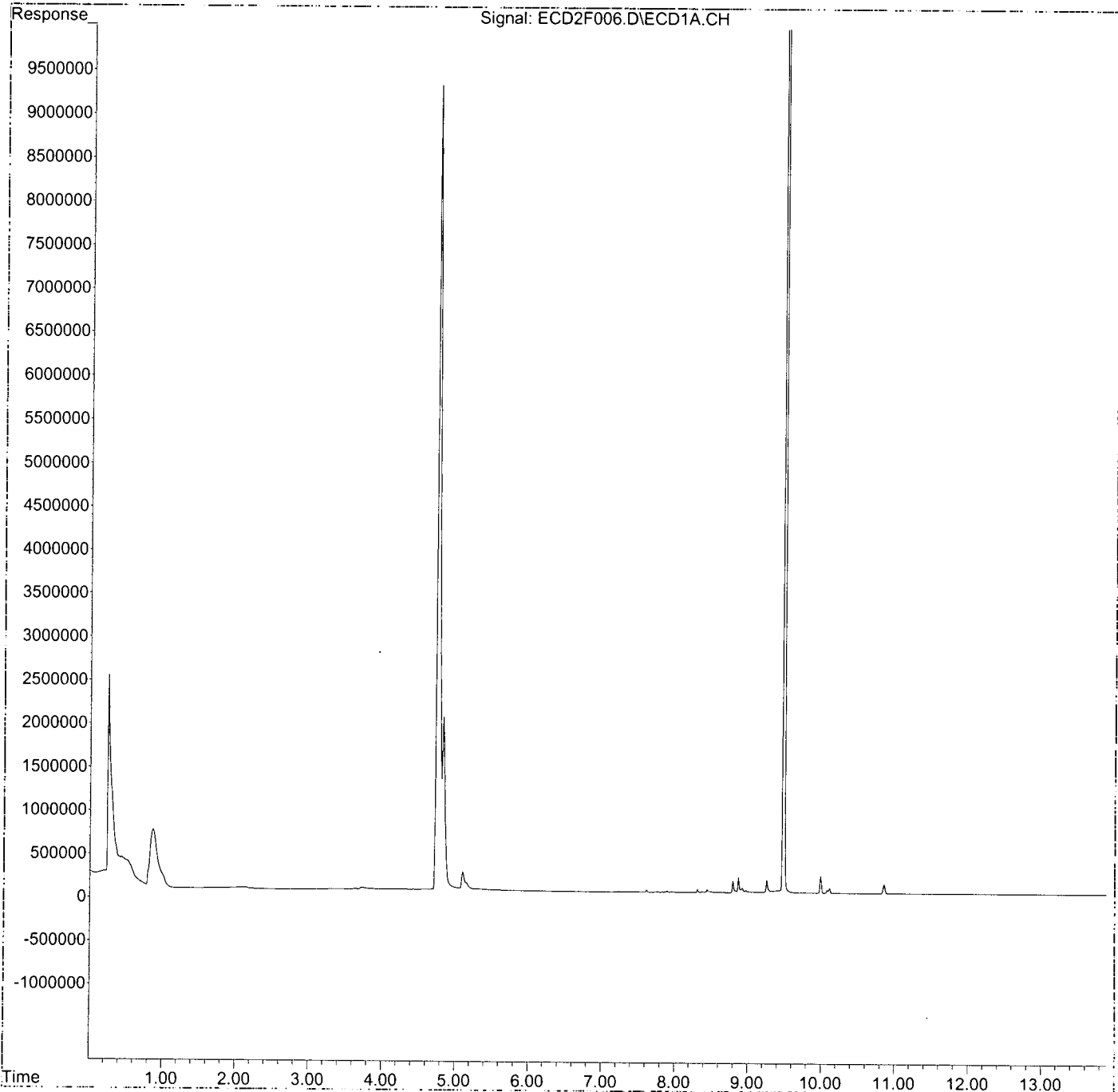
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 8:24 am
Operator : MJB / KAK
Sample : 0040259-BLK5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:32:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:42 am
 Operator : MJB / KAK
 Sample : 0040259-BS5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/14/20
 LOG

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) | 4.746 | 11902682 | 156.308 | ng/ml |
| 62) S DCBP (S) | 9.483 | 38316923 | 251.937 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.660 | 78416 | 16.473 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 144026 | 13.996 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 79187 | 14.833 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 83277 | 17.262 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 87917 | 15.529 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 62193 | 15.267 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.101 | 264157 | 182.152 | ng/ml |
| 10) Aroclor 1221 (2) | 0.000 | 0 | N.D. | ng/ml |
| 11) Aroclor 1221 (3) | 5.298 | 47325 | 14.935 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.298 | 47325 | 18.239 | ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 144026 | 33.967 | ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 79187 | 35.617 | ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 83277 | 50.593 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 87917 | 40.785 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 62193 | 35.491 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.660 | 78416 | 21.554 | ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 144026 | 18.119 | ng/ml |
| 22) Aroclor 1242 (3) | 6.154 | 79187 | 19.796 | ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 83277 | 25.075 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 87917 | 20.335 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 62193 | 17.257 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 144026 | 29.415 | ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 83277 | 13.897 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 87917 | 13.074 | ng/ml |
| 30) Aroclor 1248 (4) | 6.827 | 19603 | 2.384 | ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 68886 | 8.741 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 148595 | 32.652 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 68886 | 7.928 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 79890 | 7.110 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 148595 | 8.839 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 26582 | 2.489 | ng/ml |
| 38) Aroclor 1254 (5) | 7.885 | 197764 | 16.832 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 26756 | 7.097 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 207191 | 18.460 | ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 259311 | 18.341 | ng/ml |
| 43) Aroclor 1260 (3) | 8.146 | 206269 | 19.456 | ng/ml |
| 44) Aroclor 1260 (4) | 8.317 | 487799 | 18.693 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:42 am
 Operator : MJB / KAK
 Sample : 0040259-BS5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.615 | 305542 | 18.045 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 153054 | 21.842 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 259311 | 23.469 ng/ml |
| 49) Aroclor 1262 (2) | 7.915 | 214537 | 14.131 ng/ml |
| 50) Aroclor 1262 (3) | 8.146 | 206269 | 15.662 ng/ml |
| 51) Aroclor 1262 (4) | 8.317 | 487799 | 16.580 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 305542 | 16.857 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 153054 | 15.847 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.146 | 206269 | 29.054 ng/ml |
| 56) Aroclor 1268 (2) | 8.563 | 128351 | 3.686 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 305542 | 10.556 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 173508 | 6.762 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 153054 | 14.081 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 193099 | 2.465 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

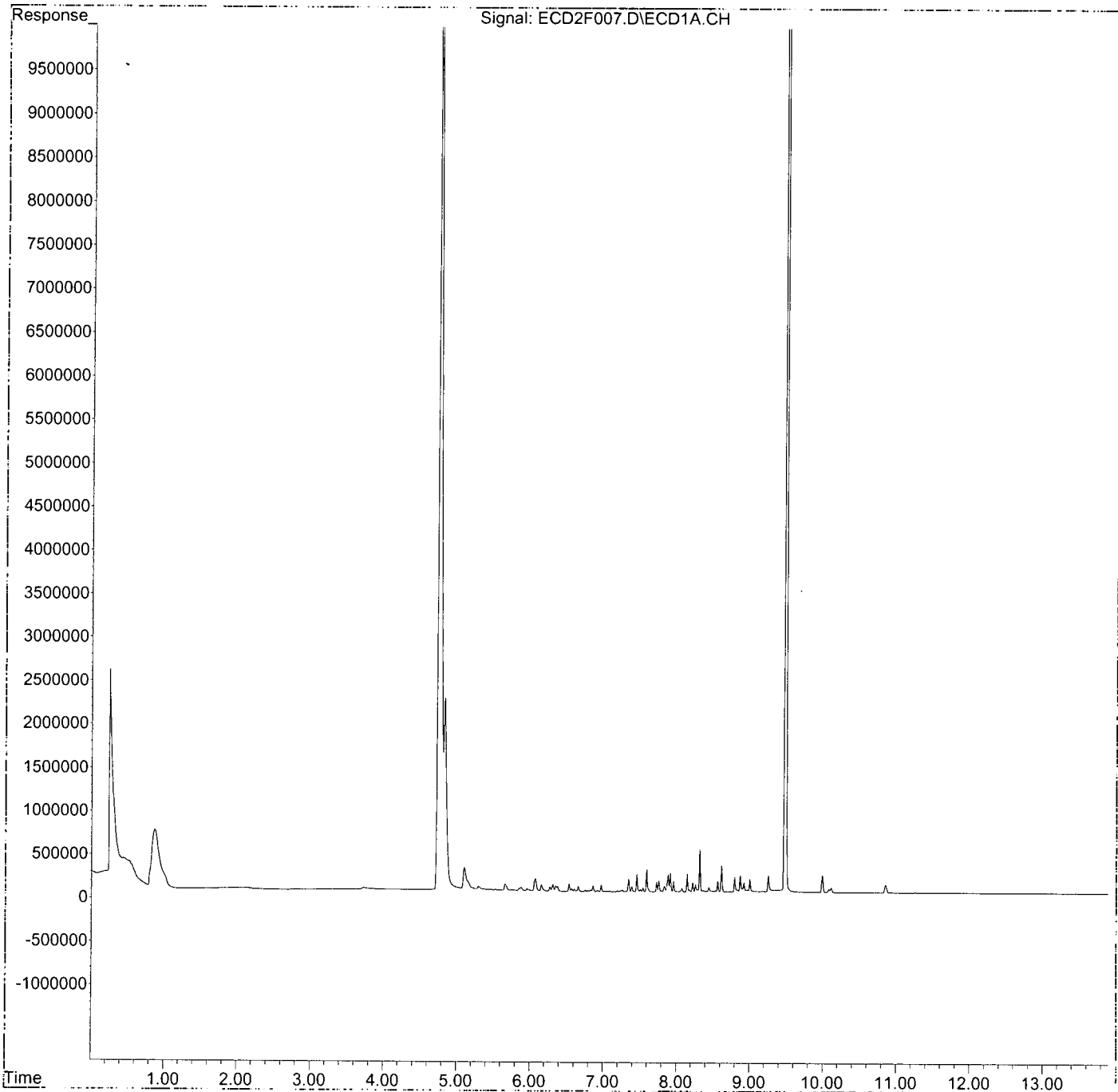
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 8:42 am
Operator : MJB / KAK
Sample : 0040259-BS5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:33:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D14026\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:59 am
 Operator : MJB / KAK
 Sample : 0040254-BLK5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 4.740 | 2767714 | 36.346 ng/ml |
| 62) S DCBP (S) | 9.509 | 14193091 | 93.321 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.663 | 2001 | 0.420 ng/ml |
| 3) Aroclor 1016 (2) | 6.065 | 516 | 0.050 ng/ml |
| 4) Aroclor 1016 (3) | 6.167 | 1548 | 0.290 ng/ml |
| 5) Aroclor 1016 (4) | 6.295 | 626 | 0.130 ng/ml |
| 6) Aroclor 1016 (5) | 6.531 | 595 | 0.105 ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 932 | 0.229 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.095 | 62915 | 43.384 ng/ml |
| 10) Aroclor 1221 (2) | 5.247 | 9576 | 9.796 ng/ml |
| 11) Aroclor 1221 (3) | 5.313 | 7539 | 2.379 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.313 | 7539 | 2.905 ng/ml |
| 14) Aroclor 1232 (2) | 6.078 | 617 | 0.145 ng/ml |
| 15) Aroclor 1232 (3) | 6.167 | 1548 | 0.696 ng/ml |
| 16) Aroclor 1232 (4) | 6.295 | 626 | 0.380 ng/ml |
| 17) Aroclor 1232 (5) | 6.531 | 595 | 0.276 ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 932 | 0.532 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.663 | 2001 | 0.550 ng/ml |
| 21) Aroclor 1242 (2) | 6.078 | 617 | 0.078 ng/ml |
| 22) Aroclor 1242 (3) | 6.167 | 1548 | 0.387 ng/ml |
| 23) Aroclor 1242 (4) | 6.295 | 626 | 0.188 ng/ml |
| 24) Aroclor 1242 (5) | 6.531 | 595 | 0.138 ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 932 | 0.259 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.065 | 516 | 0.105 ng/ml |
| 28) Aroclor 1248 (2) | 6.295 | 626 | 0.104 ng/ml |
| 29) Aroclor 1248 (3) | 6.531 | 595 | 0.089 ng/ml |
| 30) Aroclor 1248 (4) | 6.832 | 499 | 0.061 ng/ml |
| 31) Aroclor 1248 (5) | 6.868 | 532 | 0.067 ng/ml |
| 32) Aroclor 1248 (6) | 7.350 | 2741 | 0.602 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.857 | 433 | 0.050 ng/ml |
| 35) Aroclor 1254 (2) | 6.967 | 268 | 0.024 ng/ml |
| 36) Aroclor 1254 (3) | 7.350 | 2741 | 0.163 ng/ml |
| 37) Aroclor 1254 (4) | 7.484 | 2683 | 0.251 ng/ml |
| 38) Aroclor 1254 (5) | 7.881 | 831 | 0.071 ng/ml |
| 39) Aroclor 1254 (6) | 8.190 | 569 | 0.151 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.465 | 2293 | 0.204 ng/ml |
| 42) Aroclor 1260 (2) | 7.588 | 849 | 0.060 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 663 | 0.063 ng/ml |
| 44) Aroclor 1260 (4) | 8.322 | 11031 | 0.423 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 8:59 am
 Operator : MJB / KAK
 Sample : 0040254-BLK5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|-------------|
| 45) Aroclor 1260 (5) | 8.629 | 1950 | 0.115 ng/ml |
| 46) Aroclor 1260 (6) | 9.003 | 5301 | 0.757 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.588 | 849 | 0.077 ng/ml |
| 49) Aroclor 1262 (2) | 7.925 | 1325 | 0.087 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 663 | 0.050 ng/ml |
| 51) Aroclor 1262 (4) | 8.322 | 11031 | 0.375 ng/ml |
| 52) Aroclor 1262 (5) | 8.604 | 803 | 0.044 ng/ml |
| 53) Aroclor 1262 (6) | 9.003 | 5301 | 0.549 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.137 | 594 | 0.084 ng/ml |
| 56) Aroclor 1268 (2) | 8.573 | 1186 | 0.034 ng/ml |
| 57) Aroclor 1268 (3) | 8.604 | 803 | 0.028 ng/ml |
| 58) Aroclor 1268 (4) | 8.784 | 570 | 0.022 ng/ml |
| 59) Aroclor 1268 (5) | 9.003 | 5301 | 0.488 ng/ml |
| 60) Aroclor 1268 (6) | 9.236 | 2246 | 0.029 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

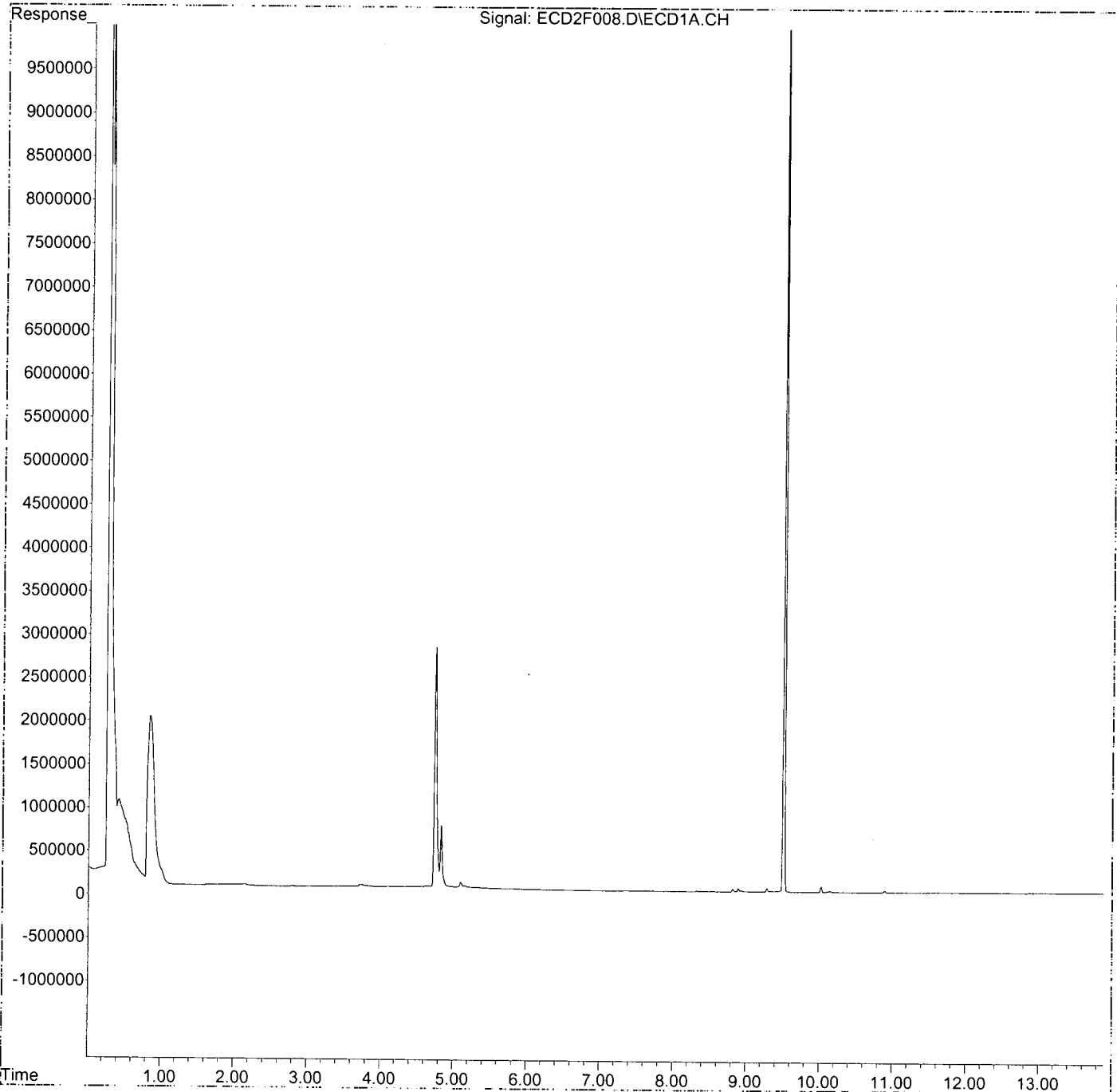
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 8:59 am
Operator : MJB / KAK
Sample : 0040254-BLK5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:33:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:17 am
 Operator : MJB / KAK
 Sample : 0040254-BS5
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/14/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|--------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.740 | 3539865 | 46.486 ng/ml |
| 62) S DCBP (S) | 9.507 | 13818153 | 90.855 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.655 | 90871 | 19.089 ng/ml |
| 3) Aroclor 1016 (2) | 6.068 | 135751 | 13.192 ng/ml |
| 4) Aroclor 1016 (3) | 6.150 | 87769 | 16.440 ng/ml |
| 5) Aroclor 1016 (4) | 6.309 | 85040 | 17.627 ng/ml |
| 6) Aroclor 1016 (5) | 6.530 | 90448 | 15.977 ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 53962 | 13.246 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.096 | 78024 | 53.803 ng/ml |
| 10) Aroclor 1221 (2) | 5.212 | 18985 | 19.421 ng/ml |
| 11) Aroclor 1221 (3) | 5.293 | 42235 | 13.329 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.293 | 42235 | 16.277 ng/ml |
| 14) Aroclor 1232 (2) | 6.068 | 135751 | 32.016 ng/ml |
| 15) Aroclor 1232 (3) | 6.150 | 87769 | 39.477 ng/ml |
| 16) Aroclor 1232 (4) | 6.309 | 85040 | 51.663 ng/ml |
| 17) Aroclor 1232 (5) | 6.530 | 90448 | 41.960 ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 53962 | 30.794 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.655 | 90871 | 24.977 ng/ml |
| 21) Aroclor 1242 (2) | 6.068 | 135751 | 17.078 ng/ml |
| 22) Aroclor 1242 (3) | 6.150 | 87769 | 21.941 ng/ml |
| 23) Aroclor 1242 (4) | 6.309 | 85040 | 25.605 ng/ml |
| 24) Aroclor 1242 (5) | 6.530 | 90448 | 20.920 ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 53962 | 14.973 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.068 | 135751 | 27.725 ng/ml |
| 28) Aroclor 1248 (2) | 6.309 | 85040 | 14.191 ng/ml |
| 29) Aroclor 1248 (3) | 6.530 | 90448 | 13.451 ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 17005 | 2.068 ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 66593 | 8.450 ng/ml |
| 32) Aroclor 1248 (6) | 7.350 | 128558 | 28.249 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 66593 | 7.664 ng/ml |
| 35) Aroclor 1254 (2) | 6.972 | 74981 | 6.673 ng/ml |
| 36) Aroclor 1254 (3) | 7.350 | 128558 | 7.647 ng/ml |
| 37) Aroclor 1254 (4) | 7.511 | 15896 | 1.489 ng/ml |
| 38) Aroclor 1254 (5) | 7.893 | 179225 | 15.254 ng/ml |
| 39) Aroclor 1254 (6) | 8.184 | 18747 | 4.972 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.464 | 198189 | 17.658 ng/ml |
| 42) Aroclor 1260 (2) | 7.601 | 236482 | 16.727 ng/ml |
| 43) Aroclor 1260 (3) | 8.157 | 178368 | 16.824 ng/ml |
| 44) Aroclor 1260 (4) | 8.332 | 394342 | 15.112 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:17 am
 Operator : MJB / KAK
 Sample : 0040254-BS5
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:33:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.630 | 269876 | 15.939 ng/ml |
| 46) Aroclor 1260 (6) | 9.023 | 115236 | 16.445 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.601 | 236482 | 21.403 ng/ml |
| 49) Aroclor 1262 (2) | 7.926 | 181108 | 11.929 ng/ml |
| 50) Aroclor 1262 (3) | 8.157 | 178368 | 13.544 ng/ml |
| 51) Aroclor 1262 (4) | 8.332 | 394342 | 13.403 ng/ml |
| 52) Aroclor 1262 (5) | 8.630 | 269876 | 14.889 ng/ml |
| 53) Aroclor 1262 (6) | 9.023 | 115236 | 11.931 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.157 | 178368 | 25.124 ng/ml |
| 56) Aroclor 1268 (2) | 8.579 | 95916 | 2.755 ng/ml |
| 57) Aroclor 1268 (3) | 8.630 | 269876 | 9.324 ng/ml |
| 58) Aroclor 1268 (4) | 8.811 | 39164 | 1.526 ng/ml |
| 59) Aroclor 1268 (5) | 9.023 | 115236 | 10.602 ng/ml |
| 60) Aroclor 1268 (6) | 9.279 | 67979 | 0.868 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

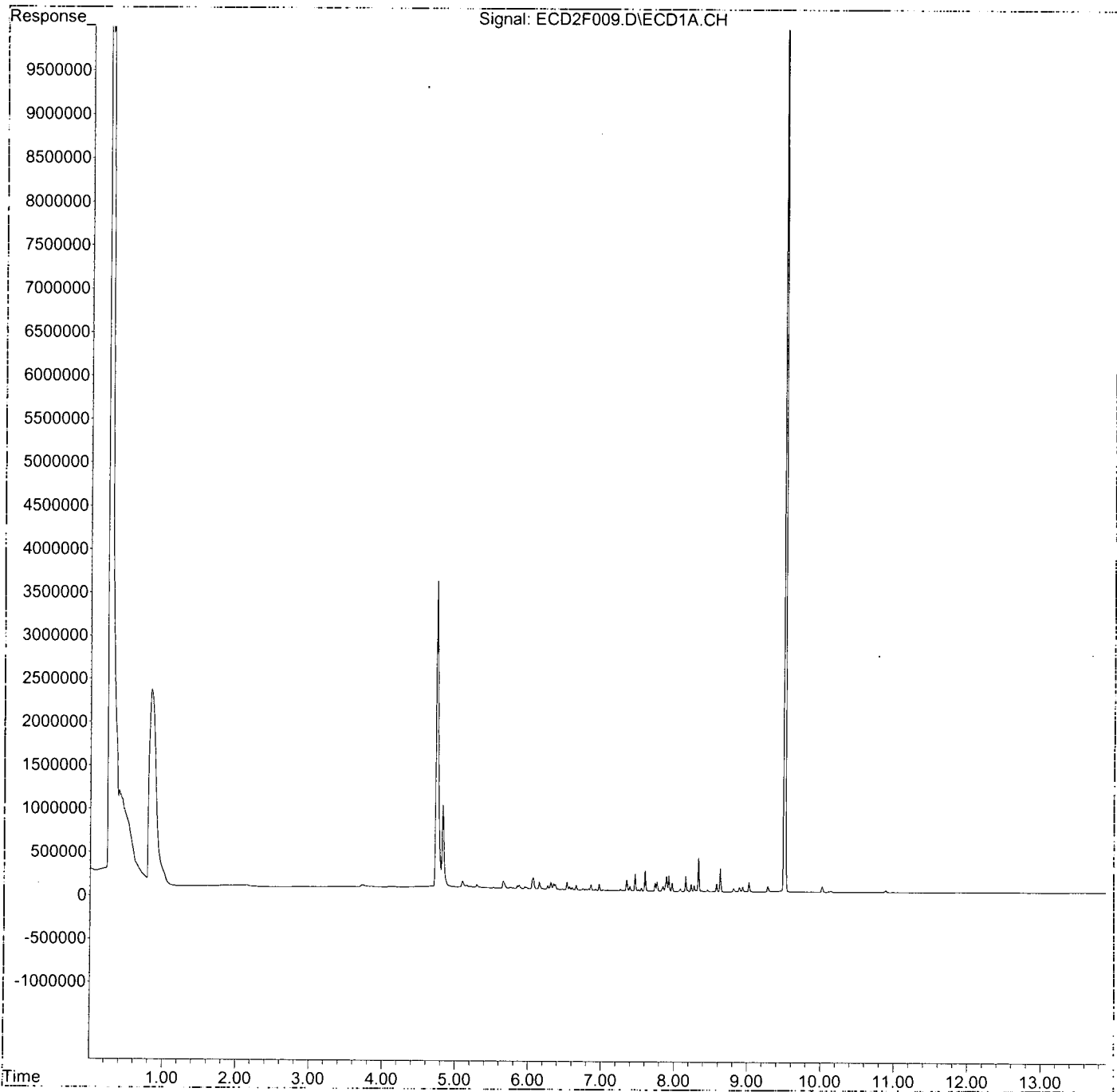
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 9:17 am
Operator : MJB / KAK
Sample : 0040254-BS5
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:33:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D14026\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:35 am
 Operator : MJB / KAK
 Sample : 0D14026-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: A 14/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.748 | 18931604 | 248.613 | ng/ml |
| 62) S DCBP (S) | 9.483 | 36611379 | 240.723 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.661 | 2205229 | 463.241 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 4777727 | 464.273 | ng/ml |
| 4) Aroclor 1016 (3) | 6.155 | 2451767 | 459.242 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2182119 | 452.320 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2495361 | 440.776 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1841338 | 452.000 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.102 | 556825 | 383.964 | ng/ml |
| 10) Aroclor 1221 (2) | 5.219 | 240001 | 245.514 | ng/ml |
| 11) Aroclor 1221 (3) | 5.299 | 1051749 | 331.916 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.299 | 1051749 | 405.340 | ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 4777727 | 1126.778 | ng/ml |
| 15) Aroclor 1232 (3) | 6.155 | 2451767 | 1102.776 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 2182119 | 1325.678 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 2495361 | 1157.620 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 1841338 | 1050.773 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.661 | 2205229 | 606.136 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 4777727 | 601.072 | ng/ml |
| 22) Aroclor 1242 (3) | 6.155 | 2451767 | 612.914 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 2182119 | 657.035 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 2495361 | 577.169 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1841338 | 510.910 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 4777727 | 975.784 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2182119 | 364.149 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 2495361 | 371.085 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 483938 | 58.863 | ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 1683168 | 213.584 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 3901995 | 857.421 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 1683168 | 193.713 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 1805685 | 160.707 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 3901995 | 232.107 | ng/ml |
| 37) Aroclor 1254 (4) | 7.507 | 513916 | 48.128 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 5125975 | 436.272 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 541147 | 143.535 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 5082974 | 452.878 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 6532761 | 462.067 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 4833302 | 455.885 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 12223949 | 468.442 | ng/ml |

Data Path : K:\DATA\OD14026\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:35 am
 Operator : MJB / KAK
 Sample : OD14026-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.616 | 8046827 | 475.234 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 3195891 | 456.087 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 6532761 | 591.249 ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 4903045 | 322.941 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 4833302 | 366.998 ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 12223949 | 415.484 ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 8046827 | 443.948 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 3195891 | 330.902 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 4833302 | 680.789 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 2616916 | 75.154 ng/ml |
| 57) Aroclor 1268 (3) | 8.616 | 8046827 | 278.007 ng/ml |
| 58) Aroclor 1268 (4) | 8.790 | 296018 | 11.537 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 3195891 | 294.022 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 762617 | 9.735 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

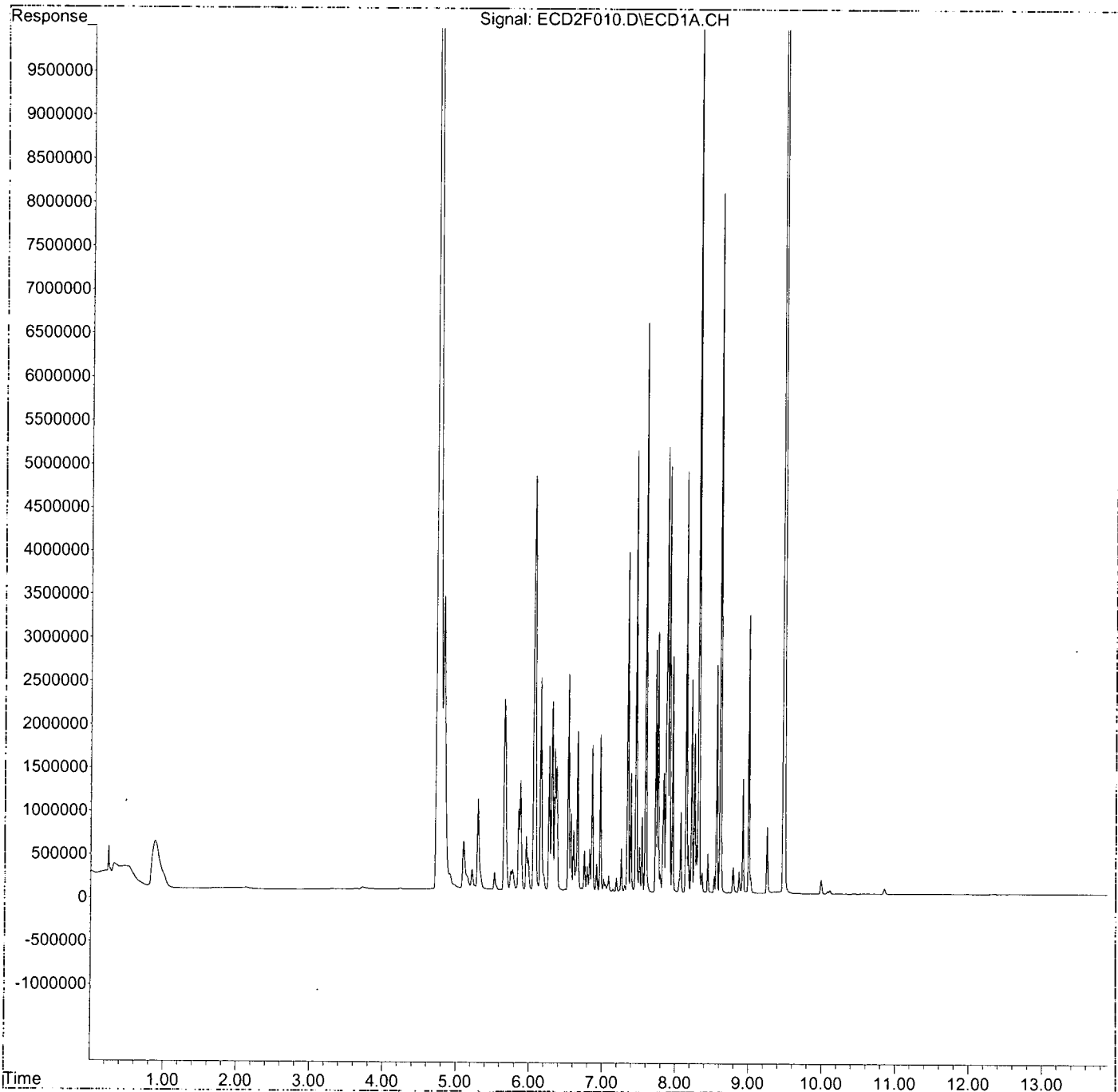
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 9:35 am
Operator : MJB / KAK
Sample : 0D14026-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:34:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:52 am
 Operator : MJB / KAK
 Sample : 0D14026-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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

Handwritten:
 4/14/20
 Clean

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.744 | 6300083 | 82.734 ng/ml |
| 62) S DCBP (S) | 9.483 | 13212352 | 86.872 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 7438 | 1.563 ng/ml |
| 3) Aroclor 1016 (2) | 6.090 | 11022 | 1.071 ng/ml |
| 4) Aroclor 1016 (3) | 6.138 | 6104 | 1.143 ng/ml |
| 5) Aroclor 1016 (4) | 6.317 | 6858 | 1.421 ng/ml |
| 6) Aroclor 1016 (5) | 6.537 | 8052 | 1.422 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 8358 | 2.052 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.104 | 151424 | 104.416 ng/ml |
| 10) Aroclor 1221 (2) | 5.262f | 18837 | 19.270 ng/ml |
| 11) Aroclor 1221 (3) | 5.305 | 16648 | 5.254 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.305 | 16648 | 6.416 ng/ml |
| 14) Aroclor 1232 (2) | 6.090 | 11022 | 2.600 ng/ml |
| 15) Aroclor 1232 (3) | 6.170 | 9448 | 4.250 ng/ml |
| 16) Aroclor 1232 (4) | 6.317 | 6858 | 4.166 ng/ml |
| 17) Aroclor 1232 (5) | 6.537 | 8052 | 3.736 ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 8358 | 4.770 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 7438 | 2.045 ng/ml |
| 21) Aroclor 1242 (2) | 6.090 | 11022 | 1.387 ng/ml |
| 22) Aroclor 1242 (3) | 6.138 | 6104 | 1.526 ng/ml |
| 23) Aroclor 1242 (4) | 6.317 | 6858 | 2.065 ng/ml |
| 24) Aroclor 1242 (5) | 6.537 | 8052 | 1.863 ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 8358 | 2.319 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.090 | 11022 | 2.251 ng/ml |
| 28) Aroclor 1248 (2) | 6.317 | 6858 | 1.144 ng/ml |
| 29) Aroclor 1248 (3) | 6.537 | 8052 | 1.197 ng/ml |
| 30) Aroclor 1248 (4) | 6.823 | 6359 | 0.773 ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 6645 | 0.843 ng/ml |
| 32) Aroclor 1248 (6) | 7.347 | 5272 | 1.159 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 6645 | 0.765 ng/ml |
| 35) Aroclor 1254 (2) | 6.974 | 5626 | 0.501 ng/ml |
| 36) Aroclor 1254 (3) | 7.347 | 5272 | 0.314 ng/ml |
| 37) Aroclor 1254 (4) | 7.510 | 4386 | 0.411 ng/ml |
| 38) Aroclor 1254 (5) | 7.894 | 12089 | 1.029 ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 2665 | 0.707 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 5932 | 0.529 ng/ml |
| 42) Aroclor 1260 (2) | 7.613 | 21331 | 1.509 ng/ml |
| 43) Aroclor 1260 (3) | 8.145 | 5087 | 0.480 ng/ml |
| 44) Aroclor 1260 (4) | 8.311 | 22070 | 0.846 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 9:52 am
 Operator : MJB / KAK
 Sample : 0D14026-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:28 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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

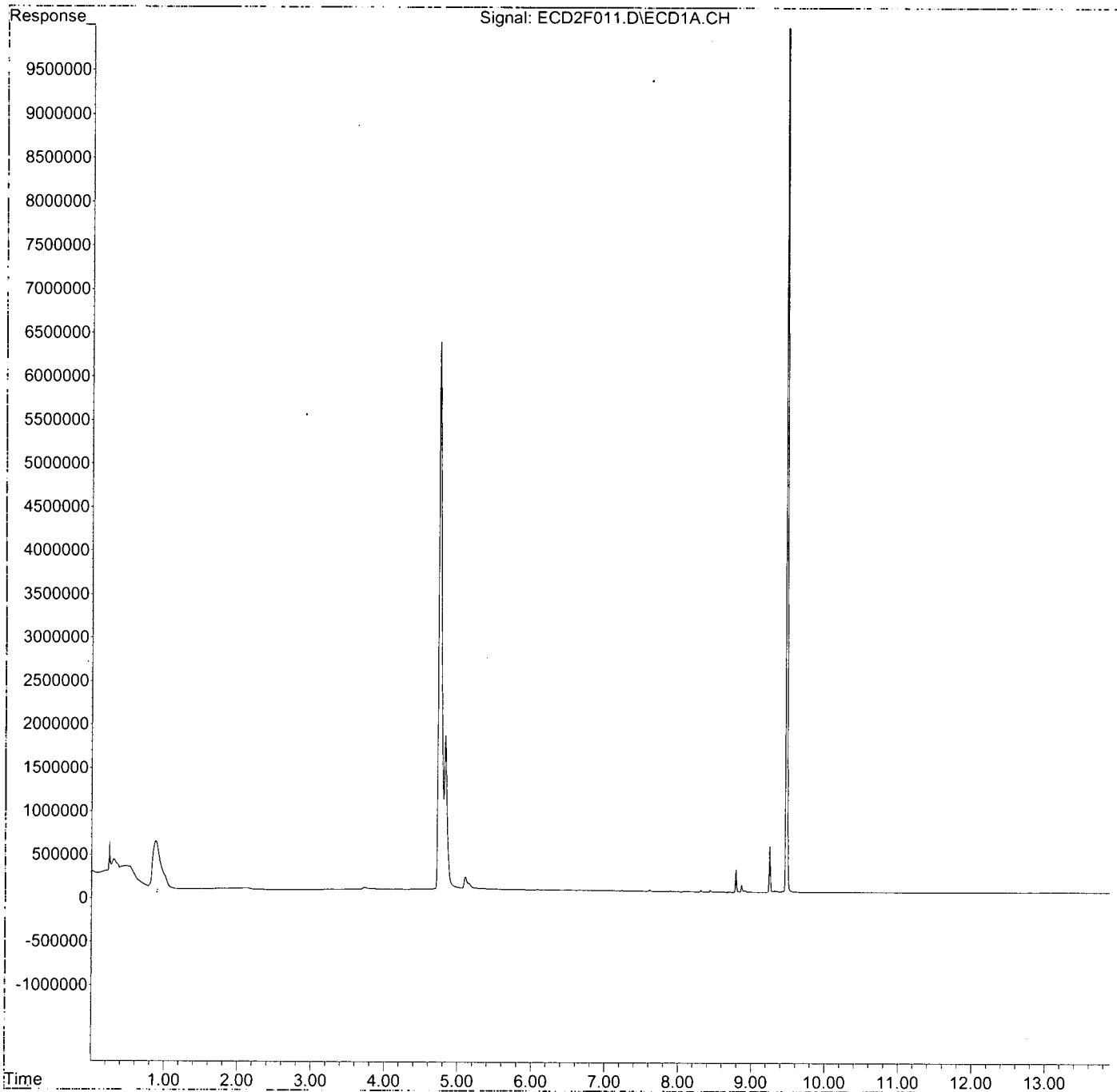
| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.618 | 4838 | 0.286 ng/ml |
| 46) Aroclor 1260 (6) | 9.003 | 4228 | 0.603 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.613 | 21331 | 1.931 ng/ml |
| 49) Aroclor 1262 (2) | 7.894 | 12089 | 0.796 ng/ml |
| 50) Aroclor 1262 (3) | 8.145 | 5087 | 0.386 ng/ml |
| 51) Aroclor 1262 (4) | 8.311 | 22070 | 0.750 ng/ml |
| 52) Aroclor 1262 (5) | 8.618 | 4838 | 0.267 ng/ml |
| 53) Aroclor 1262 (6) | 9.003 | 4228 | 0.438 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.145 | 5087 | 0.716 ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 3813 | 0.110 ng/ml |
| 57) Aroclor 1268 (3) | 8.618 | 4838 | 0.167 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 258887 | 10.090 ng/ml |
| 59) Aroclor 1268 (5) | 9.003 | 4228 | 0.389 ng/ml |
| 60) Aroclor 1268 (6) | 9.253 | 530342 | 6.770 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

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

Data Path : K:\DATA\0D14026\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 9:52 am
Operator : MJB / KAK
Sample : 0D14026-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:34:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D14026\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:10 am
 Operator : MJB / KAK
 Sample : 0040417-BLK1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/14/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.746 | 12755424 | 167.506 ng/ml |
| 62) S DCBP (S) | 9.482 | 30271888 | 199.040 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.654 | 5278 | 1.109 ng/ml |
| 3) Aroclor 1016 (2) | 6.080 | 4805 | 0.467 ng/ml |
| 4) Aroclor 1016 (3) | 6.147 | 2541 | 0.476 ng/ml |
| 5) Aroclor 1016 (4) | 6.308 | 3321 | 0.688 ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 4190 | 0.740 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 4592 | 1.127 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.104 | 268620 | 185.230 ng/ml |
| 10) Aroclor 1221 (2) | 5.260f | 16583 | 16.964 ng/ml |
| 11) Aroclor 1221 (3) | 5.289 | 16621 | 5.245 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.289 | 16621 | 6.406 ng/ml |
| 14) Aroclor 1232 (2) | 6.080 | 4805 | 1.133 ng/ml |
| 15) Aroclor 1232 (3) | 6.147 | 2541 | 1.143 ng/ml |
| 16) Aroclor 1232 (4) | 6.308 | 3321 | 2.018 ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 4190 | 1.944 ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 4592 | 2.621 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.654 | 5278 | 1.451 ng/ml |
| 21) Aroclor 1242 (2) | 6.080 | 4805 | 0.604 ng/ml |
| 22) Aroclor 1242 (3) | 6.147 | 2541 | 0.635 ng/ml |
| 23) Aroclor 1242 (4) | 6.308 | 3321 | 1.000 ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 4190 | 0.969 ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 4592 | 1.274 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.080 | 4805 | 0.981 ng/ml |
| 28) Aroclor 1248 (2) | 6.308 | 3321 | 0.554 ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 4190 | 0.623 ng/ml |
| 30) Aroclor 1248 (4) | 6.827 | 2597 | 0.316 ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 3108 | 0.394 ng/ml |
| 32) Aroclor 1248 (6) | 7.345 | 4617 | 1.015 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 3108 | 0.358 ng/ml |
| 35) Aroclor 1254 (2) | 6.971 | 2995 | 0.267 ng/ml |
| 36) Aroclor 1254 (3) | 7.345 | 4617 | 0.275 ng/ml |
| 37) Aroclor 1254 (4) | 7.500 | 3405 | 0.319 ng/ml |
| 38) Aroclor 1254 (5) | 7.894 | 13226 | 1.126 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 1585 | 0.420 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 6185 | 0.551 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 5441 | 0.385 ng/ml |
| 43) Aroclor 1260 (3) | 8.145 | 4393 | 0.414 ng/ml |
| 44) Aroclor 1260 (4) | 8.312 | 27294 | 1.046 ng/ml |

Data Path : K:\DATA\0D14026\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:10 am
 Operator : MJB / KAK
 Sample : 0040417-BLK1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:34:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.615 | 10033 | 0.593 ng/ml |
| 46) Aroclor 1260 (6) | 9.003 | 12466 | 1.779 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.594 | 5441 | 0.492 ng/ml |
| 49) Aroclor 1262 (2) | 7.913 | 4661 | 0.307 ng/ml |
| 50) Aroclor 1262 (3) | 8.145 | 4393 | 0.334 ng/ml |
| 51) Aroclor 1262 (4) | 8.312 | 27294 | 0.928 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 10033 | 0.554 ng/ml |
| 53) Aroclor 1262 (6) | 9.003 | 12466 | 1.291 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.145 | 4393 | 0.619 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 9549 | 0.274 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 10033 | 0.347 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 490271 | 19.108 ng/ml |
| 59) Aroclor 1268 (5) | 9.003 | 12466 | 1.147 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 1164998 | 14.871 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

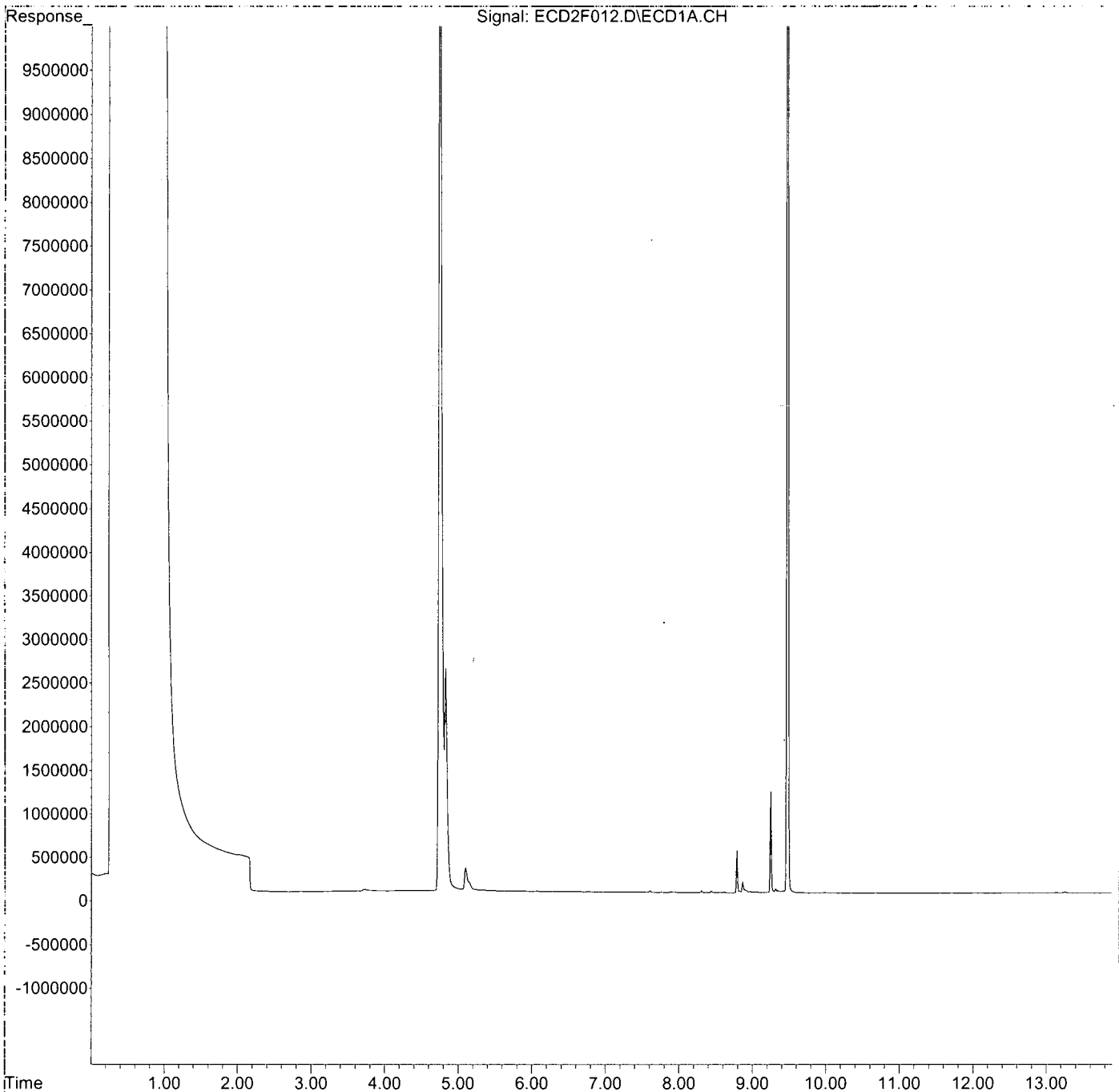
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 10:10 am
Operator : MJB / KAK
Sample : 0040417-BLK1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:34:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:27 am
 Operator : MJB / KAK
 Sample : 0040417-BS1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/14/20
 A/14/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.747 | 10314682 | 135.454 ng/ml |
| 62) S DCBP (S) | 9.482 | 29287088 | 192.565 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.660 | 3087260 | 648.525 ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 7648599 | 743.248 ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 3511354 | 657.713 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 3488600 | 723.133 ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 3760514 | 664.250 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 2591204 | 636.073 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.099 | 461188 | 318.017 ng/ml |
| 10) Aroclor 1221 (2) | 5.217 | 308396 | 315.480 ng/ml |
| 11) Aroclor 1221 (3) | 5.298 | 1381327 | 435.926 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.298 | 1381327 | 532.359 ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 7648599 | 1803.844 ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 3511354 | 1579.366 ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 3488600 | 2119.390 ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 3760514 | 1744.536 ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 2591204 | 1478.689 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.660 | 3087260 | 848.574 ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 7648599 | 962.248 ng/ml |
| 22) Aroclor 1242 (3) | 6.154 | 3511354 | 877.799 ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 3488600 | 1050.415 ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 3760514 | 869.795 ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 2591204 | 718.973 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 7648599 | 1562.120 ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 3488600 | 582.173 ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 3760514 | 559.226 ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 782978 | 95.236 ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 2799655 | 355.260 ng/ml |
| 32) Aroclor 1248 (6) | 7.347 | 6710934 | 1474.655 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 2799655 | 322.207 ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 3353241 | 298.440 ng/ml |
| 36) Aroclor 1254 (3) | 7.347 | 6710934 | 399.195 ng/ml |
| 37) Aroclor 1254 (4) | 7.507 | 951300 | 89.088 ng/ml |
| 38) Aroclor 1254 (5) | 7.885 | 9460624 | 805.194 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 884927 | 234.720 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 9373806 | 835.178 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 12983099 | 918.305 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 9636109 | 908.893 ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 25084449 | 961.277 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:27 am
 Operator : MJB / KAK
 Sample : 0040417-BS1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|----------|-------|
| 45) Aroclor 1260 (5) | 8.615 | 15537471 | 917.620 | ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 6572785 | 938.005 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 12983099 | 1175.038 | ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 9780485 | 644.195 | ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 9636109 | 731.681 | ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 25084449 | 852.604 | ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 15537471 | 857.211 | ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 6572785 | 680.546 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 9636109 | 1357.282 | ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 5532232 | 158.877 | ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 15537471 | 536.798 | ng/ml |
| 58) Aroclor 1268 (4) | 8.791 | 847565 | 33.033 | ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 6572785 | 604.696 | ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 2455674 | 31.346 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

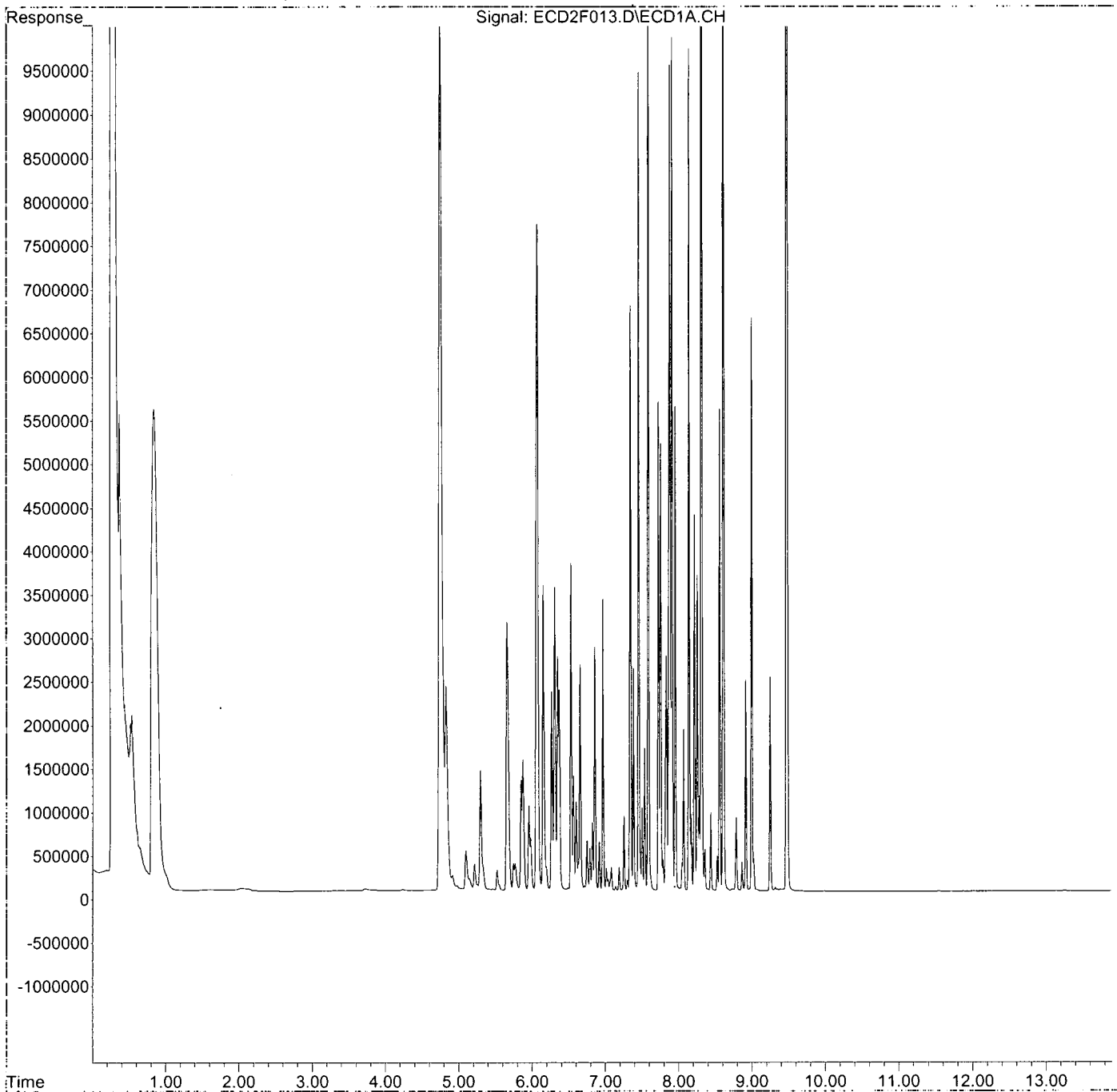
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 10:27 am
Operator : MJB / KAK
Sample : 0040417-BS1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:35:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:45 am
 Operator : MJB / KAK
 Sample : A0D0212-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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

Handwritten:
 4/14/20
 1242 P-10
 1254 P-10
 1260 P-10

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.738 | 18206275 | 239.088 ng/ml |
| 62) S DCBP (S) | 9.482 | 19213962 | 126.333 ng/ml |

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.655 | 348274 | 73.160 ng/ml |
| 3) Aroclor 1016 (2) | 6.067 | 938034 | 91.153 ng/ml |
| 4) Aroclor 1016 (3) | 6.150 | 449114 | 84.124 ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 1030031 | 213.510 ng/ml |
| 6) Aroclor 1016 (5) | 6.536 | 2164791 | 382.385 ng/ml |
| 7) Aroclor 1016 (6) | 6.655 | 976509 | 239.708 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.093 | 361198 | 249.068 ng/ml |
| 10) Aroclor 1221 (2) | 5.233 | 106054 | 108.490 ng/ml |
| 11) Aroclor 1221 (3) | 5.283 | 1638095 | 516.958 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.283 | 1638095 | 631.316 ng/ml |
| 14) Aroclor 1232 (2) | 6.067 | 938034 | 221.226 ng/ml |
| 15) Aroclor 1232 (3) | 6.150 | 449114 | 202.006 ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 1030031 | 625.764 ng/ml |
| 17) Aroclor 1232 (5) | 6.536 | 2164791 | 1004.266 ng/ml |
| 18) Aroclor 1232 (6) | 6.655 | 976509 | 557.252 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.655 | 348274 | 95.728 ng/ml |
| 21) Aroclor 1242 (2) | 6.067 | 938034 | 118.011 ng/ml |
| 22) Aroclor 1242 (3) | 6.150 | 449114 | 112.273 ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 1030031 | 310.142 ng/ml |
| 24) Aroclor 1242 (5) | 6.536 | 2164791 | 500.709 ng/ml |
| 25) Aroclor 1242 (6) | 6.655 | 976509 | 270.949 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.067 | 938034 | 191.580 ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 1030031 | 171.890 ng/ml |
| 29) Aroclor 1248 (3) | 6.536 | 2164791 | 321.926 ng/ml |
| 30) Aroclor 1248 (4) | 6.824 | 1556003 | 189.261 ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 2219592 | 281.653 ng/ml |
| 32) Aroclor 1248 (6) | 7.339 | 2815813 | 618.744 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 2219592 | 255.449 ng/ml |
| 35) Aroclor 1254 (2) | 6.973 | 2421679 | 215.531 ng/ml |
| 36) Aroclor 1254 (3) | 7.339 | 2815813 | 167.496 ng/ml |
| 37) Aroclor 1254 (4) | 7.504 | 1787252 | 167.374 ng/ml |
| 38) Aroclor 1254 (5) | 7.884 | 2699256 | 229.734 ng/ml |
| 39) Aroclor 1254 (6) | 8.174 | 644660 | 170.991 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 1956264 | 174.297 ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 2591566 | 183.304 ng/ml |
| 43) Aroclor 1260 (3) | 8.146 | 1121163 | 105.750 ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 2927581 | 112.190 ng/ml |

Handwritten: 108.671 /

Handwritten: 168.620 /

Handwritten: 111.858 /

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 10:45 am
 Operator : MJB / KAK
 Sample : A0D0212-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:32 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.615 | 2036911 | 120.297 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 765141 | 109.194 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 2591566 | 234.550 ng/ml |
| 49) Aroclor 1262 (2) | 7.915 | 1294046 | 85.233 ng/ml |
| 50) Aroclor 1262 (3) | 8.146 | 1121163 | 85.131 ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 2927581 | 99.507 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 2036911 | 112.378 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 765141 | 79.223 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.146 | 1121163 | 157.920 ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 762873 | 21.909 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 2036911 | 70.372 ng/ml |
| 58) Aroclor 1268 (4) | 8.792 | 547673 | 21.345 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 765141 | 70.393 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 1068416 | 13.638 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

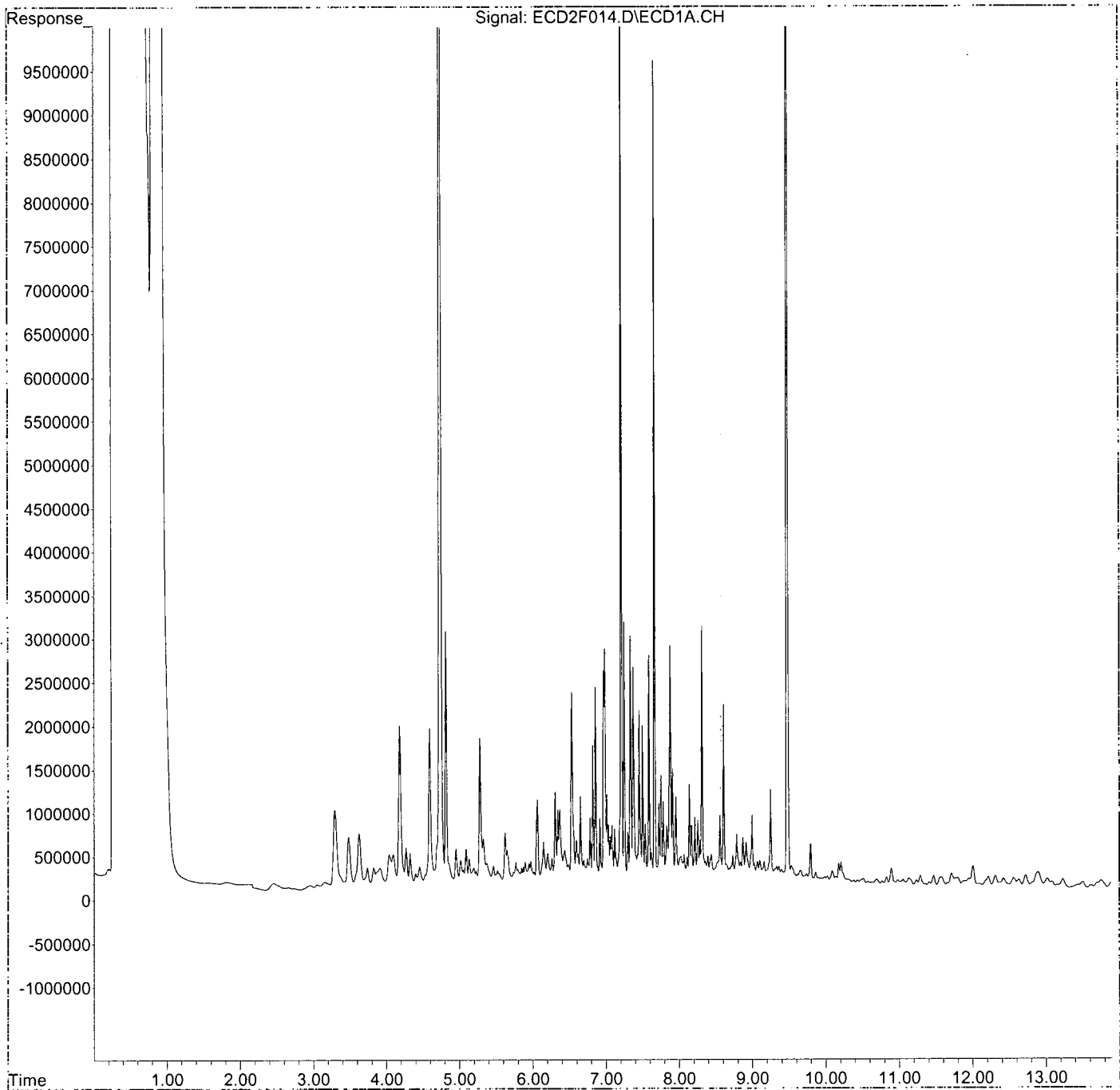
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 10:45 am
Operator : MJB / KAK
Sample : A0D0212-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:35:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 11:20 am
 Operator : MJB / KAK
 Sample : 0040417-DUP1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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

4/14/20
1242 P-10
1254 P-10
1266 P-10

| Compound | R.T. | Response | Conc Units |
|------------------------------------|-------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.738 | 18654153 | 244.970 ng/ml |
| 62) S DCBP (S) | 9.482 | 19968211 | 131.293 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.654 | 319758 | 67.170 ng/ml |
| 3) Aroclor 1016 (2) | 6.067 | 926680 | 90.050 ng/ml |
| 4) Aroclor 1016 (3) | 6.150 | 394216 | 73.841 ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 1037110 | 214.977 ng/ml |
| 6) Aroclor 1016 (5) | 6.537 | 2247512 | 396.996 ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 976430 | 239.688 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.094 | 358529 | 247.228 ng/ml |
| 10) Aroclor 1221 (2) | 5.203 | 136193 | 139.322 ng/ml |
| 11) Aroclor 1221 (3) | 5.283 | 2259299 | 713.000 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.283 | 2259299 | 870.726 ng/ml |
| 14) Aroclor 1232 (2) | 6.067 | 926680 | 218.548 ng/ml |
| 15) Aroclor 1232 (3) | 6.150 | 394216 | 177.314 ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 1037110 | 630.064 ng/ml |
| 17) Aroclor 1232 (5) | 6.537 | 2247512 | 1042.640 ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 976430 | 557.207 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.654 | 319758 | 87.890 ng/ml |
| 21) Aroclor 1242 (2) | 6.067 | 926680 | 116.583 ng/ml |
| 22) Aroclor 1242 (3) | 6.150 | 394216 | 98.550 ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 1037110 | 312.273 ng/ml |
| 24) Aroclor 1242 (5) | 6.537 | 2247512 | 519.842 ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 976430 | 270.927 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.067 | 926680 | 189.261 ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 1037110 | 173.072 ng/ml |
| 29) Aroclor 1248 (3) | 6.537 | 2247512 | 334.227 ng/ml |
| 30) Aroclor 1248 (4) | 6.824 | 1549990 | 188.530 ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 2313840 | 293.613 ng/ml |
| 32) Aroclor 1248 (6) | 7.339 | 2870127 | 630.679 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 2313840 | 266.296 ng/ml |
| 35) Aroclor 1254 (2) | 6.973 | 2760477 | 245.684 ng/ml |
| 36) Aroclor 1254 (3) | 7.339 | 2870127 | 170.727 ng/ml |
| 37) Aroclor 1254 (4) | 7.504 | 1862572 | 174.428 ng/ml |
| 38) Aroclor 1254 (5) | 7.884 | 6676810 | 568.264 ng/ml |
| 39) Aroclor 1254 (6) | 8.174 | 655300 | 173.813 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 2189317 | 195.062 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 3464637 | 245.057 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 1199774 | 113.165 ng/ml |
| 44) Aroclor 1260 (4) | 8.317 | 3120513 | 119.583 ng/ml |

101.058

172.989

117.535

Data Path : K:\DATA\0D14026\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 11:20 am
 Operator : MJB / KAK
 Sample : 0040417-DUP1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:35:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.615 | 2092592 | 123.585 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 797464 | 113.807 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 3464637 | 313.568 ng/ml |
| 49) Aroclor 1262 (2) | 7.915 | 1385740 | 91.272 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 1199774 | 91.100 ng/ml |
| 51) Aroclor 1262 (4) | 8.317 | 3120513 | 106.064 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 2092592 | 115.450 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 797464 | 82.569 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 1199774 | 168.993 ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 789742 | 22.680 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 2092592 | 72.296 ng/ml |
| 58) Aroclor 1268 (4) | 8.792 | 533849 | 20.807 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 797464 | 73.367 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 1056448 | 13.485 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

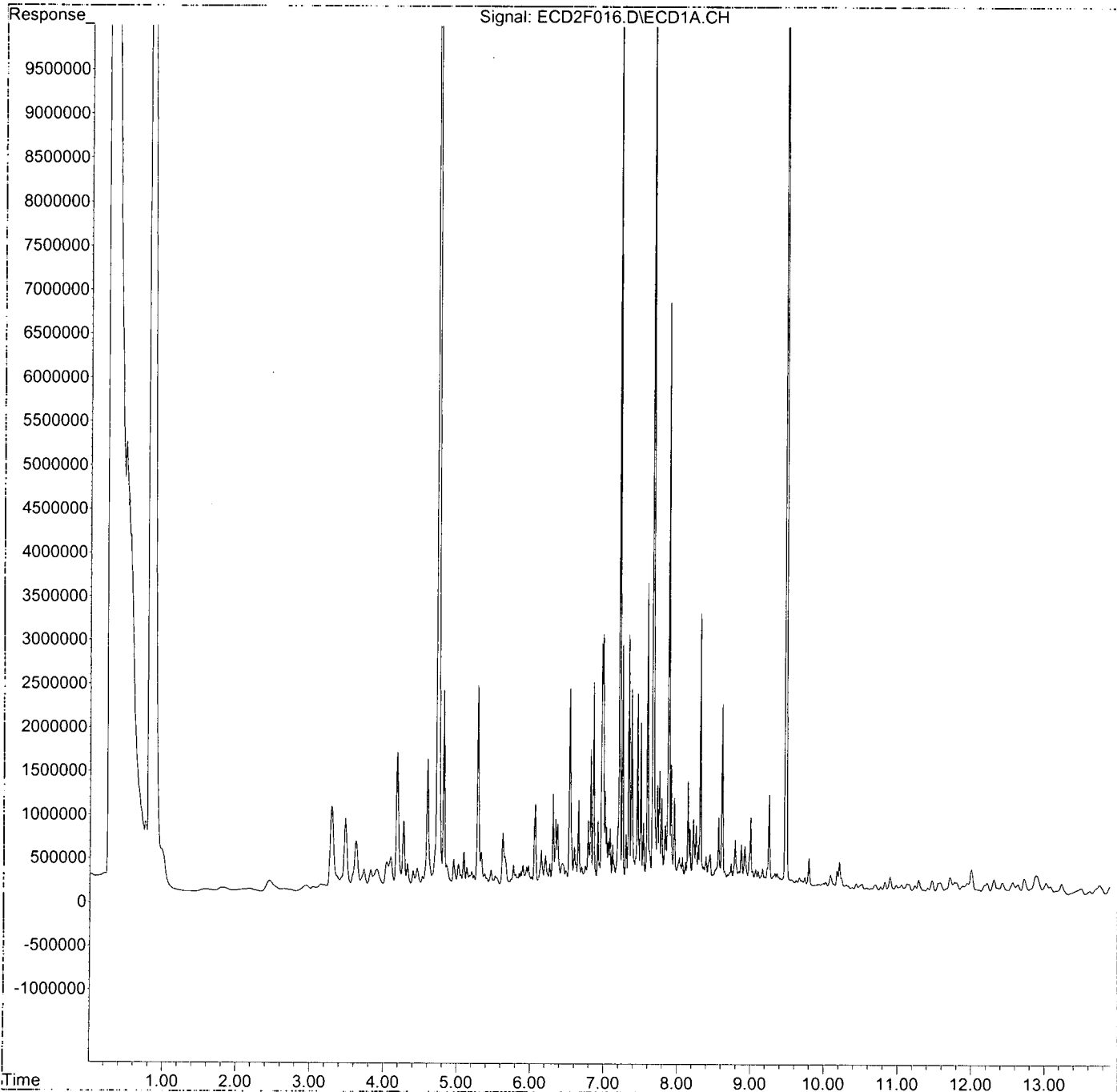
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 11:20 am
Operator : MJB / KAK
Sample : 0040417-DUP1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:35:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 11:55 am
 Operator : MJB / KAK
 Sample : 0040417-MS1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:36:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/14/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.738 | 17254262 | 226.586 ng/ml |
| 62) S DCBP (S) | 9.484 | 17035177 | 112.008 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.656 | 3683969 | 773.873 ng/ml |
| 3) Aroclor 1016 (2) | 6.068 | 8882482 | 863.150 ng/ml |
| 4) Aroclor 1016 (3) | 6.150 | 3893946 | 729.377 ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 4023218 | 833.951 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 5254655 | 928.173 ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 3373294 | 828.056 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.094 | 637882 | 439.858 ng/ml |
| 10) Aroclor 1221 (2) | 5.212 | 402531 | 411.776 ng/ml |
| 11) Aroclor 1221 (3) | 5.287 | 4018398 | 1268.145 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.287 | 4018398 | 1548.677 ng/ml |
| 14) Aroclor 1232 (2) | 6.068 | 8882482 | 2094.843 ng/ml |
| 15) Aroclor 1232 (3) | 6.150 | 3893946 | 1751.452 ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 4023218 | 2444.181 ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 5254655 | 2437.680 ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 3373294 | 1924.995 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.656 | 3683969 | 1012.587 ng/ml |
| 21) Aroclor 1242 (2) | 6.068 | 8882482 | 1117.479 ng/ml |
| 22) Aroclor 1242 (3) | 6.150 | 3893946 | 973.442 ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 4023218 | 1211.389 ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 5254655 | 1215.385 ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 3373294 | 935.977 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.068 | 8882482 | 1814.123 ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 4023218 | 671.389 ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 5254655 | 781.419 ng/ml |
| 30) Aroclor 1248 (4) | 6.825 | 2249790 | 273.648 ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 4690789 | 595.234 ng/ml |
| 32) Aroclor 1248 (6) | 7.344 | 7238823 | 1590.653 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 4690789 | 539.854 ng/ml |
| 35) Aroclor 1254 (2) | 6.971 | 5191945 | 462.086 ng/ml |
| 36) Aroclor 1254 (3) | 7.344 | 7238823 | 430.596 ng/ml |
| 37) Aroclor 1254 (4) | 7.504 | 2529146 | 236.852 ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 10116410 | 861.008 ng/ml |
| 39) Aroclor 1254 (6) | 8.175 | 1319128 | 349.888 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 9300204 | 828.620 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 12452746 | 880.793 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 7704200 | 726.673 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 21822200 | 836.262 ng/ml |

77A.98

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 11:55 am
 Operator : MJB / KAK
 Sample : 0040417-MS1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 12:36:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|-----------------------|----------------|
| 45) Aroclor 1260 (5) | 8.616 | 13319671 ³ | 786.640 ng/ml |
| 46) Aroclor 1260 (6) | 9.003 | 5257861 ⁹ | 750.352 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 12452746 | 1127.038 ng/ml |
| 49) Aroclor 1262 (2) | 7.917 | 8288076 | 545.897 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 7704200 | 584.989 ng/ml |
| 51) Aroclor 1262 (4) | 8.319 | 21822200 | 741.723 ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 13319671 | 734.854 ng/ml |
| 53) Aroclor 1262 (6) | 9.003 | 5257861 | 544.398 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 7704200 | 1085.165 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 4535354 | 130.248 ng/ml |
| 57) Aroclor 1268 (3) | 8.616 | 13319671 | 460.176 ng/ml |
| 58) Aroclor 1268 (4) | 8.791 | 747913 | 29.150 ng/ml |
| 59) Aroclor 1268 (5) | 9.003 | 5257861 | 483.723 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 2003679 | 25.576 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

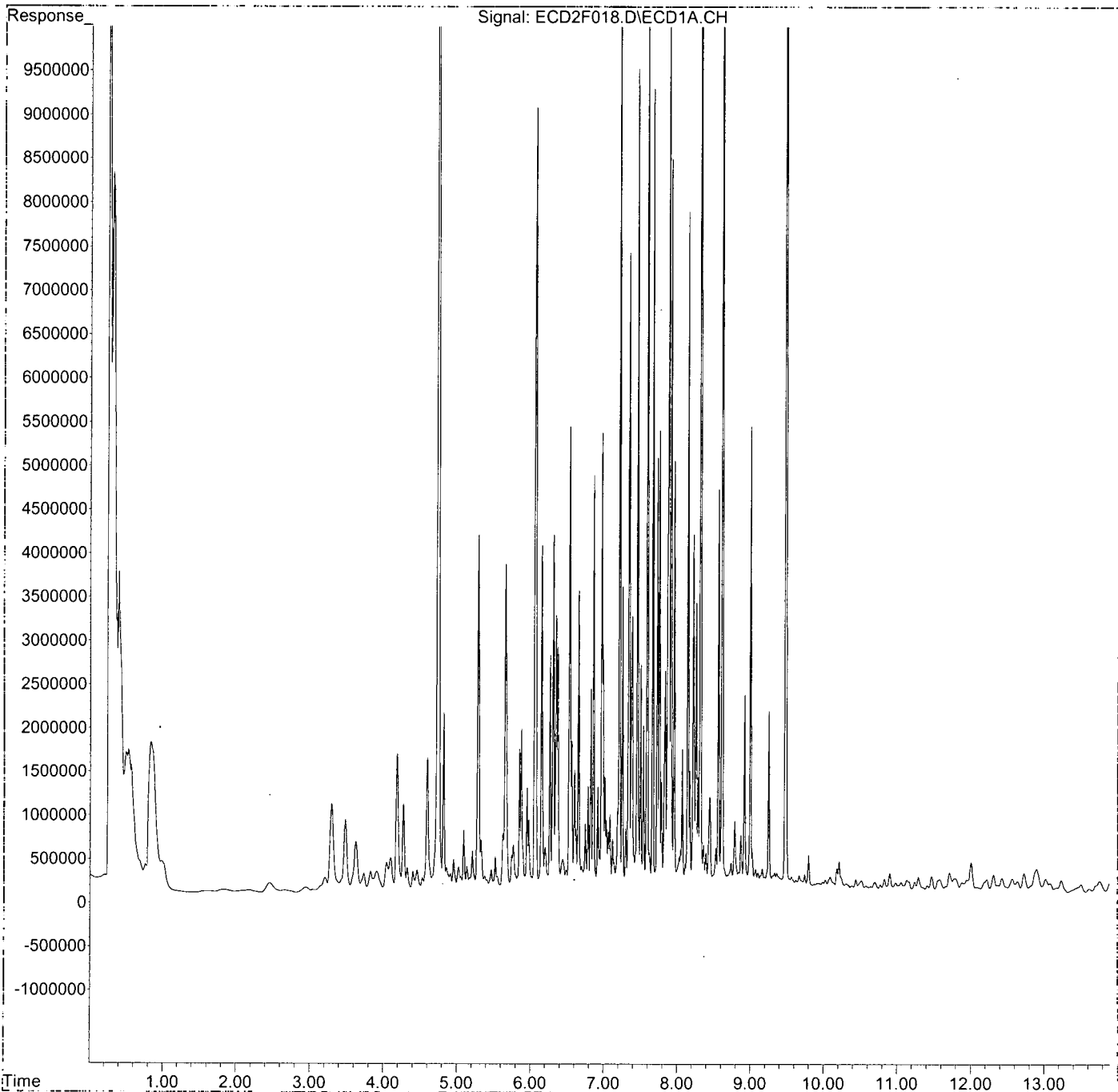
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 11:55 am
Operator : MJB / KAK
Sample : 0040417-MS1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 12:36:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 12:31 pm
 Operator : MJB / KAK
 Sample : 0040417-MSD1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 13:36:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 4.738 | 19521539 | 256.360 | ng/ml |
| 62) S DCBP (S) | 9.483 | 20138580 | 132.413 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.657 | 3946900 | 829.106 | ng/ml |
| 3) Aroclor 1016 (2) | 6.068 | 9525853 | 925.669 | ng/ml |
| 4) Aroclor 1016 (3) | 6.151 | 4262929 | 798.491 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 4301833 | 891.704 | ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 5689542 | 1004.990 | ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 3538687 | 868.655 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.094 | 714507 | 492.696 | ng/ml |
| 10) Aroclor 1221 (2) | 5.212 | 471851 | 482.688 | ng/ml |
| 11) Aroclor 1221 (3) | 5.289 | 4156643 | 1311.773 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.289 | 4156643 | 1601.956 | ng/ml |
| 14) Aroclor 1232 (2) | 6.068 | 9525853 | 2246.575 | ng/ml |
| 15) Aroclor 1232 (3) | 6.151 | 4262929 | 1917.416 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 4301833 | 2613.444 | ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 5689542 | 2639.429 | ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 3538687 | 2019.377 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.657 | 3946900 | 1084.857 | ng/ml |
| 21) Aroclor 1242 (2) | 6.068 | 9525853 | 1198.420 | ng/ml |
| 22) Aroclor 1242 (3) | 6.151 | 4262929 | 1065.684 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 4301833 | 1295.279 | ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 5689542 | 1315.973 | ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 3538687 | 981.868 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.068 | 9525853 | 1945.522 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 4301833 | 717.884 | ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 5689542 | 846.091 | ng/ml |
| 30) Aroclor 1248 (4) | 6.825 | 2537459 | 308.638 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 5107335 | 648.091 | ng/ml |
| 32) Aroclor 1248 (6) | 7.344 | 8268626 | 1816.941 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 5107335 | 587.794 | ng/ml |
| 35) Aroclor 1254 (2) | 6.972 | 5509020 | 490.305 | ng/ml |
| 36) Aroclor 1254 (3) | 7.344 | 8268626 | 491.853 | ng/ml |
| 37) Aroclor 1254 (4) | 7.505 | 2814265 | 263.553 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 10652317 | 906.620 | ng/ml |
| 39) Aroclor 1254 (6) | 8.175 | 1361751 | 361.194 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 9687994 | 863.171 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 12908948 | 913.060 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 8169341 | 770.545 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 21953250 | 841.284 | ng/ml |

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Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 12:31 pm
 Operator : MJB / KAK
 Sample : 0040417-MSD1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 13:36:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|----------------|
| 45) Aroclor 1260 (5) | 8.616 | 14180447 | 837.476 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 5563482 | 793.967 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 12908948 | 1168.327 ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 8733699 | 575.248 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 8169341 | 620.307 ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 21953250 | 746.177 ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 14180447 | 782.344 ng/ml |
| 53) Aroclor 1262 (6) | 9.004 | 5563482 | 576.042 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 8169341 | 1150.682 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 4804668 | 137.982 ng/ml |
| 57) Aroclor 1268 (3) | 8.616 | 14180447 | 489.915 ng/ml |
| 58) Aroclor 1268 (4) | 8.791 | 856655 | 33.388 ng/ml |
| 59) Aroclor 1268 (5) | 9.004 | 5563482 | 511.840 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 2149789 | 27.442 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

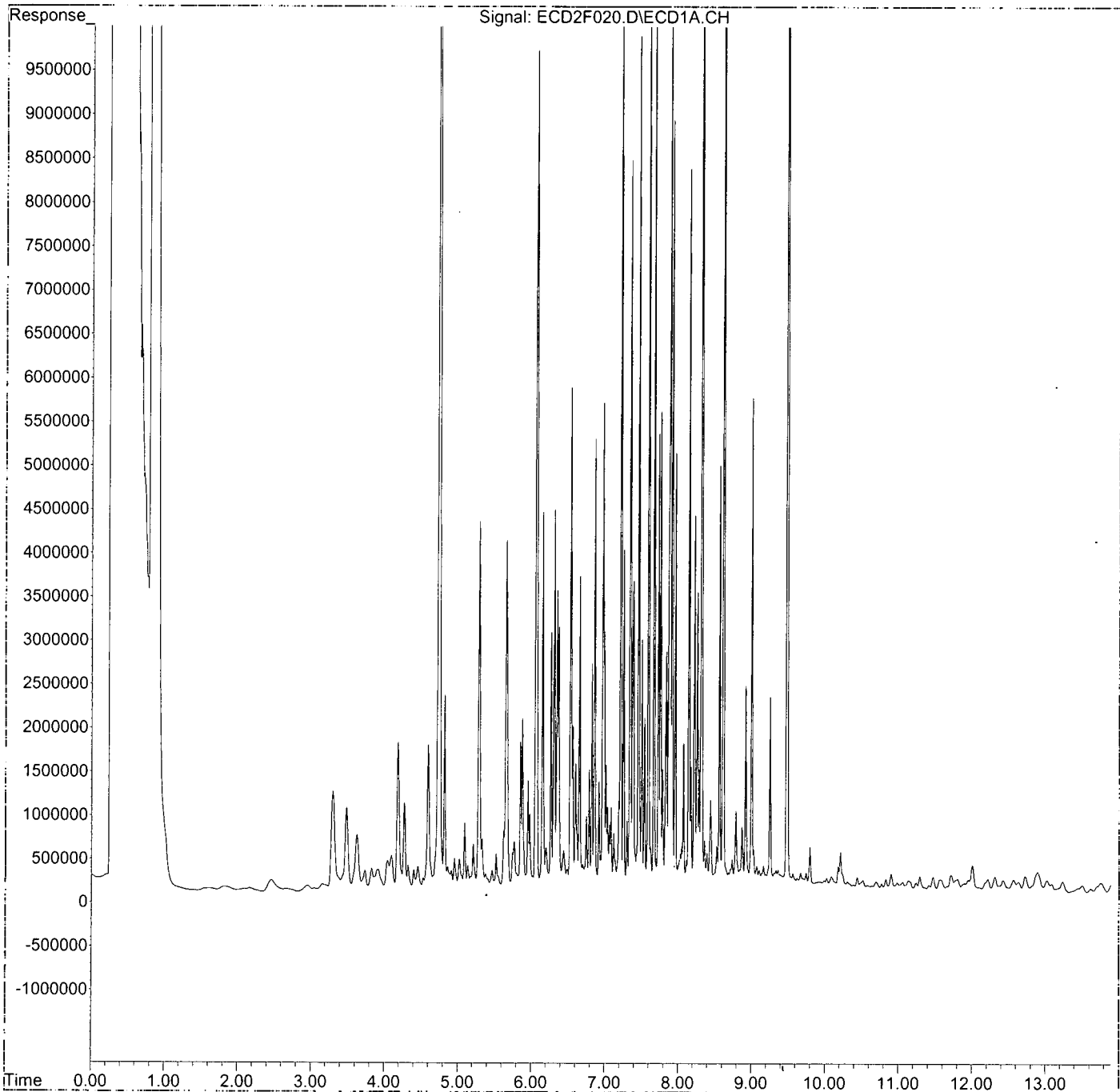
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 12:31 pm
Operator : MJB / KAK
Sample : 0040417-MSD1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 13:36:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD14026\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 1:06 pm
 Operator : MJB / KAK
 Sample : OD14026-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 13:36:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/14/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.745 | 18056376 | 237.120 | ng/ml |
| 62) S DCBP (S) | 9.482 | 35842220 | 235.665 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 2083438 | 437.657 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 4614830 | 448.443 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 2339608 | 438.233 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2140920 | 443.780 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2526393 | 446.257 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1755480 | 430.924 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.101 | 554010 | 382.023 | ng/ml |
| 10) Aroclor 1221 (2) | 5.218 | 234762 | 240.154 | ng/ml |
| 11) Aroclor 1221 (3) | 5.299 | 952795 | 300.688 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.299 | 952795 | 367.204 | ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 4614830 | 1088.361 | ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 2339608 | 1052.329 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 2140920 | 1300.649 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 2526393 | 1172.016 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 1755480 | 1001.777 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 2083438 | 572.660 | ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 4614830 | 580.578 | ng/ml |
| 22) Aroclor 1242 (3) | 6.154 | 2339608 | 584.876 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 2140920 | 644.630 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 2526393 | 584.347 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1755480 | 487.087 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 4614830 | 942.515 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2140920 | 357.274 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 2526393 | 375.700 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 481868 | 58.611 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 1675567 | 212.620 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 3765667 | 827.465 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 1675567 | 192.838 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 1801214 | 160.309 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 3765667 | 223.998 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 538365 | 50.417 | ng/ml |
| 38) Aroclor 1254 (5) | 7.885 | 4927029 | 419.340 | ng/ml |
| 39) Aroclor 1254 (6) | 8.175 | 541055 | 143.511 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 4995538 | 445.087 | ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 6413832 | 453.655 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 4735179 | 446.630 | ng/ml |
| 44) Aroclor 1260 (4) | 8.317 | 11667050 | 447.100 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 1:06 pm
 Operator : MJB / KAK
 Sample : 0D14026-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 13:36:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 8.615 | 7867887 | 464.666 | ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 3166896 | 451.949 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 6413832 | 580.485 | ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 4692194 | 309.053 | ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 4735179 | 359.547 | ng/ml |
| 51) Aroclor 1262 (4) | 8.317 | 11667050 | 396.556 | ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 7867887 | 434.076 | ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 3166896 | 327.900 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 4735179 | 666.968 | ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 2612810 | 75.036 | ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 7867887 | 271.825 | ng/ml |
| 58) Aroclor 1268 (4) | 8.789 | 272167 | 10.608 | ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 3166896 | 291.354 | ng/ml |
| 60) Aroclor 1268 (6) | 9.253 | 751570 | 9.594 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

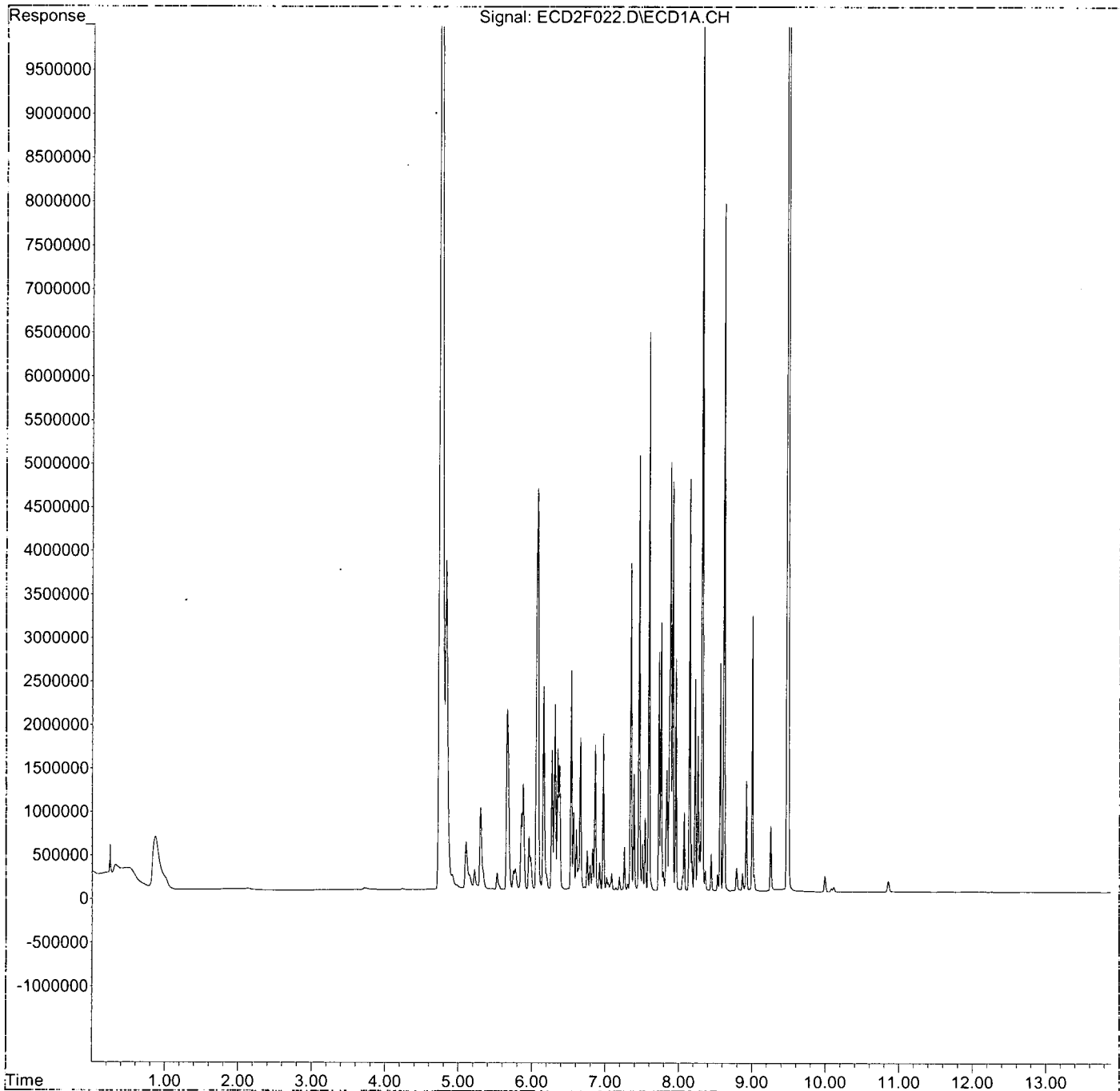
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14026\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 1:06 pm
Operator : MJB / KAK
Sample : 0D14026-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 13:36:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 1:23 pm
 Operator : MJB / KAK
 Sample : 0D14026-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 14:15:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20
Clear

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) | 4.746 | 6687848 | 87.826 ng/ml |
| 62) S DCBP (S) | 9.481 | 12244627 | 80.509 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.651 | 4590 | 0.964 ng/ml |
| 3) Aroclor 1016 (2) | 6.088 | 10910 | 1.060 ng/ml |
| 4) Aroclor 1016 (3) | 6.139 | 4732 | 0.886 ng/ml |
| 5) Aroclor 1016 (4) | 6.317 | 5493 | 1.139 ng/ml |
| 6) Aroclor 1016 (5) | 6.538 | 8044 | 1.421 ng/ml |
| 7) Aroclor 1016 (6) | 6.659 | 7771 | 1.908 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.103 | 152577 | 105.211 ng/ml |
| 10) Aroclor 1221 (2) | 5.271f | 14620 | 14.955 ng/ml |
| 11) Aroclor 1221 (3) | 5.290 | 13622 | 4.299 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.290 | 13622 | 5.250 ng/ml |
| 14) Aroclor 1232 (2) | 6.088 | 10910 | 2.573 ng/ml |
| 15) Aroclor 1232 (3) | 6.169 | 7692 | 3.460 ng/ml |
| 16) Aroclor 1232 (4) | 6.317 | 5493 | 3.337 ng/ml |
| 17) Aroclor 1232 (5) | 6.538 | 8044 | 3.732 ng/ml |
| 18) Aroclor 1232 (6) | 6.659 | 7771 | 4.435 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.651 | 4590 | 1.262 ng/ml |
| 21) Aroclor 1242 (2) | 6.088 | 10910 | 1.373 ng/ml |
| 22) Aroclor 1242 (3) | 6.139 | 4732 | 1.183 ng/ml |
| 23) Aroclor 1242 (4) | 6.317 | 5493 | 1.654 ng/ml |
| 24) Aroclor 1242 (5) | 6.538 | 8044 | 1.861 ng/ml |
| 25) Aroclor 1242 (6) | 6.659 | 7771 | 2.156 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.088 | 10910 | 2.228 ng/ml |
| 28) Aroclor 1248 (2) | 6.317 | 5493 | 0.917 ng/ml |
| 29) Aroclor 1248 (3) | 6.538 | 8044 | 1.196 ng/ml |
| 30) Aroclor 1248 (4) | 6.828 | 8481 | 1.032 ng/ml |
| 31) Aroclor 1248 (5) | 6.871 | 8884 | 1.127 ng/ml |
| 32) Aroclor 1248 (6) | 7.345 | 10597 | 2.329 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.856 | 8409 | 0.968 ng/ml |
| 35) Aroclor 1254 (2) | 6.966 | 7830 | 0.697 ng/ml |
| 36) Aroclor 1254 (3) | 7.345 | 10597 | 0.630 ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 8509 | 0.797 ng/ml |
| 38) Aroclor 1254 (5) | 7.893 | 10284 | 0.875 ng/ml |
| 39) Aroclor 1254 (6) | 8.173 | 4401 | 1.167 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.462 | 9948 | 0.886 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 8753 | 0.619 ng/ml |
| 43) Aroclor 1260 (3) | 8.144 | 6592 | 0.622 ng/ml |
| 44) Aroclor 1260 (4) | 8.314 | 10686 | 0.410 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 14 Apr 2020 1:23 pm
 Operator : MJB / KAK
 Sample : 0D14026-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 14 14:15:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|-------------|
| 45) | Aroclor 1260 (5) | 8.619 | 5382 | 0.318 ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 5090 | 0.726 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 7.594 | 8753 | 0.792 ng/ml |
| 49) | Aroclor 1262 (2) | 7.935 | 3934 | 0.259 ng/ml |
| 50) | Aroclor 1262 (3) | 8.144 | 6592 | 0.501 ng/ml |
| 51) | Aroclor 1262 (4) | 8.314 | 10686 | 0.363 ng/ml |
| 52) | Aroclor 1262 (5) | 8.619 | 5382 | 0.297 ng/ml |
| 53) | Aroclor 1262 (6) | 9.004 | 5090 | 0.527 ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 8.144 | 6592 | 0.929 ng/ml |
| 56) | Aroclor 1268 (2) | 8.564 | 4256 | 0.122 ng/ml |
| 57) | Aroclor 1268 (3) | 8.619 | 5382 | 0.186 ng/ml |
| 58) | Aroclor 1268 (4) | 8.793 | 234742 | 9.149 ng/ml |
| 59) | Aroclor 1268 (5) | 9.004 | 5090 | 0.468 ng/ml |
| 60) | Aroclor 1268 (6) | 9.254 | 488203 | 6.232 ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

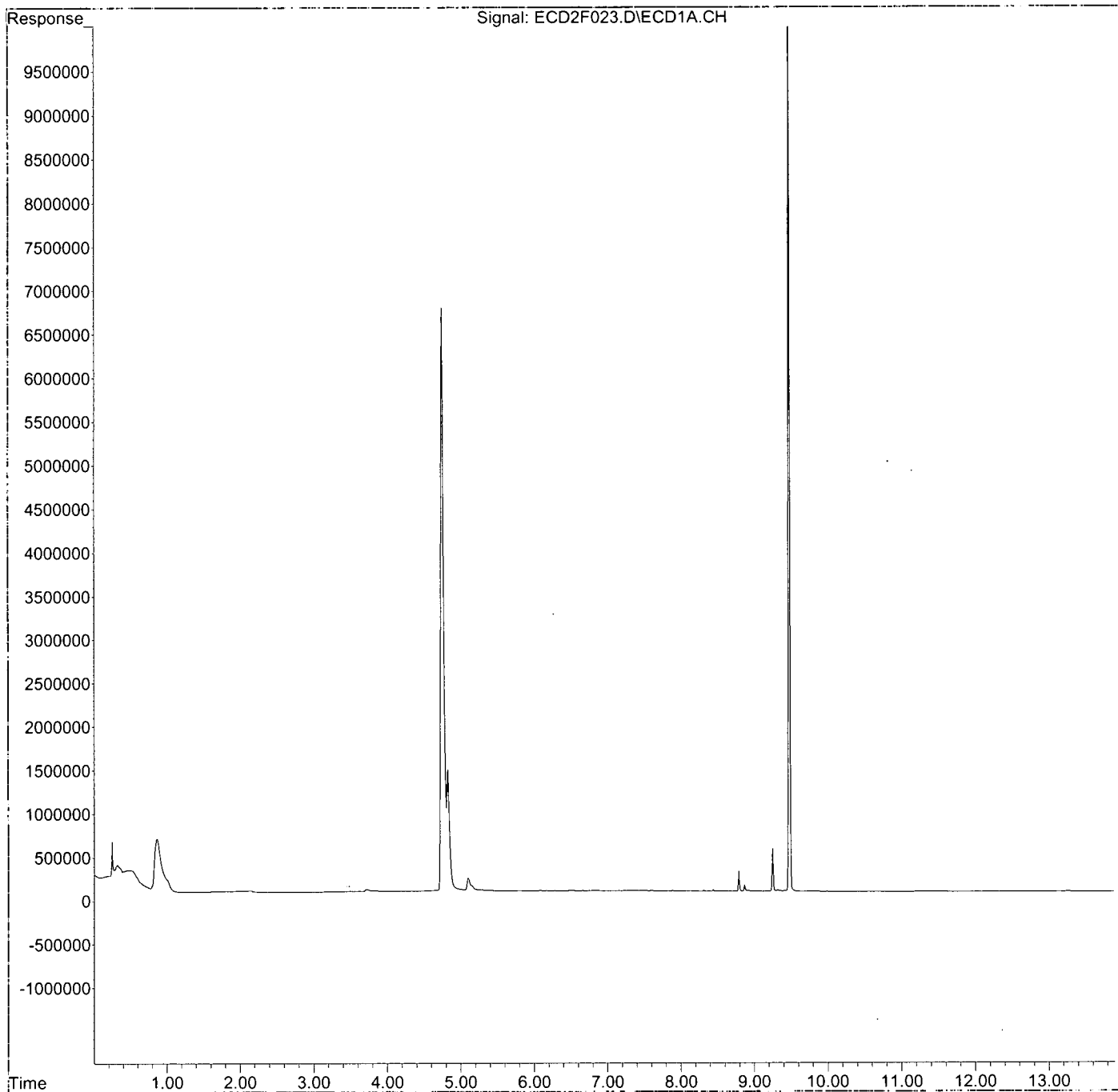
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14026\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 14 Apr 2020 1:23 pm
Operator : MJB / KAK
Sample : 0D14026-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 14:15:00 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



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

Sequence 0D14027 (A0D0212-07,08,09)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D14027**

Instrument: **DUALECD2R**

Date: **04/14/20 06:13**

Calibration: **A0D1002**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|-------------|---------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D14027-CCV1 | Water | QC | QC | | | | A20C132 |
| 2 | 0D14027-CCB1 | Water | QC | QC | | | | A20C404 |
| 3 | 0040261-BLK6 | Water | QC | QC | | 0040261 | | |
| 4 | 0040261-BS6 | Water | QC | QC | | 0040261 | | |
| 5 | 0040259-BLK6 | Soil | QC | QC | | 0040259 | | |
| 6 | 0040259-BS6 | Soil | QC | QC | | 0040259 | | |
| 7 | 0040254-BLK6 | ansformer (| QC | QC | | 0040254 | | |
| 8 | 0040254-BS6 | ansformer (| QC | QC | | 0040254 | | |
| 9 | 0D14027-CCV2 | Water | QC | QC | | | | A20C132 |
| 10 | 0D14027-CCB2 | Water | QC | QC | | | | A20C404 |
| 11 | A0D0212-06 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 12 | 0D14027-IBL1 | Water | QC | QC | | | | |
| 13 | A0D0212-07 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 14 | 0D14027-IBL2 | Water | QC | QC | | | | |
| 15 | A0D0212-08 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 16 | 0D14027-IBL3 | Water | QC | QC | | | | |
| 17 | A0D0212-09 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 18 | 0D14027-IBL4 | Water | QC | QC | | | | |
| 19 | 0D14027-CCV3 | Water | QC | QC | | | | A20C132 |
| 20 | 0D14027-CCB3 | Water | QC | QC | | | | A20C404 |

Comments:

Data Entered By: *[Signature]* 4/16/20

Data Reviewed By: *[Signature]* 4/14/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D14027-CCV1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 461.31 |
| 1016 (1) | 461.31 |
| 1016 (1) | 461.31 |
| 1016 (2) | 467.11 |
| 1016 (2) | 467.11 |
| 1016 (2) | 467.11 |
| 1016 (3) | 451.91 |
| 1016 (3) | 451.91 |
| 1016 (3) | 451.91 |
| 1016 (4) | 452.57 |
| 1016 (4) | 452.57 |
| 1016 (4) | 452.57 |
| 1016 (5) | 453.02 |
| 1016 (5) | 453.02 |
| 1016 (5) | 453.02 |
| 1016 (6) | 453.90 |
| 1016 (6) | 453.90 |
| 1016 (6) | 453.90 |
| Average: | 456.64 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 469.34 |
| 1260 (1) | 469.34 |
| 1260 (1) | 469.34 |
| 1260 (2) | 441.48 |
| 1260 (2) | 441.48 |
| 1260 (2) | 441.48 |
| 1260 (3) | 481.11 |
| 1260 (3) | 481.11 |
| 1260 (3) | 481.11 |
| 1260 (4) | 479.16 |
| 1260 (4) | 479.16 |
| 1260 (4) | 479.16 |
| 1260 (5) | 482.29 |
| 1260 (5) | 482.29 |
| 1260 (5) | 482.29 |
| 1260 (6) | 464.98 |
| 1260 (6) | 464.98 |
| 1260 (6) | 464.98 |
| Average: | 469.73 |

0040261-BS6

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.

0040261-BS6

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 14.82 |
| 1016 (2) | 14.11 |
| 1016 (3) | 12.22 |
| 1016 (4) | 16.63 |
| 1016 (5) | 16.59 |
| 1016 (6) | 14.20 |
| Average: | 14.76 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 15.43 |
| 1260 (2) | 16.78 |
| 1260 (3) | 14.73 |
| 1260 (4) | 15.22 |
| 1260 (5) | 14.88 |
| 1260 (6) | 19.62 |
| Average: | 16.11 |

0040259-BS6

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 16.42 |
| 1016 (2) | 15.21 |
| 1016 (3) | 14.53 |
| 1016 (4) | 18.24 |
| 1016 (5) | 18.15 |
| 1016 (6) | 16.61 |
| Average: | 16.53 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 18.20 |
| 1260 (2) | 18.87 |
| 1260 (3) | 17.57 |
| 1260 (4) | 18.48 |
| 1260 (5) | 18.54 |
| 1260 (6) | 21.84 |
| Average: | 18.92 |

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.

0040254-BS6

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 15.98 |
| 1016 (2) | 12.65 |
| 1016 (3) | 11.29 |
| 1016 (4) | 18.07 |
| 1016 (5) | 17.65 |
| 1016 (6) | 16.31 |
| Average: | 15.33 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 18.44 |
| 1260 (2) | 18.87 |
| 1260 (3) | 17.58 |
| 1260 (4) | 18.73 |
| 1260 (5) | 17.93 |
| 1260 (6) | 20.26 |
| Average: | 18.64 |

0D14027-CCV2

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.

0D14027-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 450.05 |
| 1016 (1) | 450.05 |
| 1016 (1) | 450.05 |
| 1016 (1) | 450.05 |
| 1016 (2) | 468.04 |
| 1016 (2) | 468.04 |
| 1016 (2) | 468.04 |
| 1016 (2) | 468.04 |
| 1016 (3) | 454.60 |
| 1016 (3) | 454.60 |
| 1016 (3) | 454.60 |
| 1016 (3) | 454.60 |
| 1016 (4) | 439.00 |
| 1016 (4) | 439.00 |
| 1016 (4) | 439.00 |
| 1016 (4) | 439.00 |
| 1016 (5) | 456.50 |
| 1016 (5) | 456.50 |
| 1016 (5) | 456.50 |
| 1016 (5) | 456.50 |
| 1016 (6) | 458.01 |
| 1016 (6) | 458.01 |
| 1016 (6) | 458.01 |
| 1016 (6) | 458.01 |
| Average: | 454.37 |

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.

0D14027-CCV2

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 478.91 |
| 1260 (1) | 478.91 |
| 1260 (1) | 478.91 |
| 1260 (1) | 478.91 |
| 1260 (2) | 472.68 |
| 1260 (2) | 472.68 |
| 1260 (2) | 472.68 |
| 1260 (2) | 472.68 |
| 1260 (3) | 471.02 |
| 1260 (3) | 471.02 |
| 1260 (3) | 471.02 |
| 1260 (3) | 471.02 |
| 1260 (4) | 506.44 |
| 1260 (4) | 506.44 |
| 1260 (4) | 506.44 |
| 1260 (4) | 506.44 |
| 1260 (5) | 507.17 |
| 1260 (5) | 507.17 |
| 1260 (5) | 507.17 |
| 1260 (5) | 507.17 |
| 1260 (6) | 476.84 |
| 1260 (6) | 476.84 |
| 1260 (6) | 476.84 |
| 1260 (6) | 476.84 |
| Average: | 485.51 |

0D14027-CCV3

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 471.07 |
| 1016 (2) | 492.49 |
| 1016 (3) | 487.59 |
| 1016 (4) | 457.50 |
| 1016 (5) | 485.26 |
| 1016 (6) | 487.15 |
| Average: | 480.18 |

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.

0D14027-CCV3

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 501.73 |
| 1260 (2) | 478.21 |
| 1260 (3) | 501.34 |
| 1260 (4) | 523.08 |
| 1260 (5) | 530.93 |
| 1260 (6) | 511.80 |
| Average: | 507.85 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OD14027\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 7:32
 Operator : MJB / KAK
 Sample : OD14027-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:23:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/15/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|----------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 76563058 | 258.423 ng/ml |
| 62) S DCBP (S) | 10.431 | 43755812 | 262.062 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.236 | 4403371 | 461.306 ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 7802606 | 467.109 ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 3492560 | 451.911 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 3631052 | 452.566 ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 3934006 | 453.018 ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 3988807 | 453.898 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.739 | 300577 | 135.937 ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 579317 | 267.577 ng/ml |
| 11) Aroclor 1221 (3) | 5.900 | 2694541 | 373.050 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.900 | 2694541 | 441.032 ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 4403371 | 1178.463 ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 7802606 | 1138.041 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 3631052 | 1437.621 ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 3934006 | 1294.524 ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 3988807 | 1244.906 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 4403371 | 631.571 ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 7802606 | 625.244 ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 3492560 | 618.397 ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 3631052 | 683.106 ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 3934006 | 644.329 ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 3988807 | 611.986 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 7802606 | 1105.952 ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 3631052 | 403.939 ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 3934006 | 470.894 ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 3988807 | 392.798 ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 883042 | 68.347 ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 3245212 | 281.613 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 2810952 | 217.969 ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 3245212 | 158.719 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 1794488 | 81.230 ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 1276304 | 73.534 ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 10013623 | 605.219 ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 1384598 | 275.485 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 7830583 | 469.336 ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 9146040 | 441.480 ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 10013623 | 481.114 ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 16267374 | 479.157 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 7:32
 Operator : MJB / KAK
 Sample : 0D14027-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:23:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|---------------|
| 45) Aroclor 1260 (5) | 9.245 | 9545511 | 482.294 ng/ml |
| 46) Aroclor 1260 (6) | 9.795 | 3619474 | 464.985 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.283 | 9146040 | 562.116 ng/ml |
| 49) Aroclor 1262 (2) | 8.583 | 6850698 | 313.698 ng/ml |
| 50) Aroclor 1262 (3) | 8.760 | 7042500 | 392.389 ng/ml |
| 51) Aroclor 1262 (4) | 8.994 | 16267374 | 420.591 ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 9545511 | 408.985 ng/ml |
| 53) Aroclor 1262 (6) | 9.795 | 3619474 | 348.102 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 527397 | 54.324 ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 9545511 | 221.467 ng/ml |
| 57) Aroclor 1268 (3) | 9.307 | 3612996 | 101.988 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 290352 | 9.706 ng/ml |
| 59) Aroclor 1268 (5) | 9.795 | 3619474 | 302.353 ng/ml |
| 60) Aroclor 1268 (6) | 10.130 | 983056 | 12.143 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

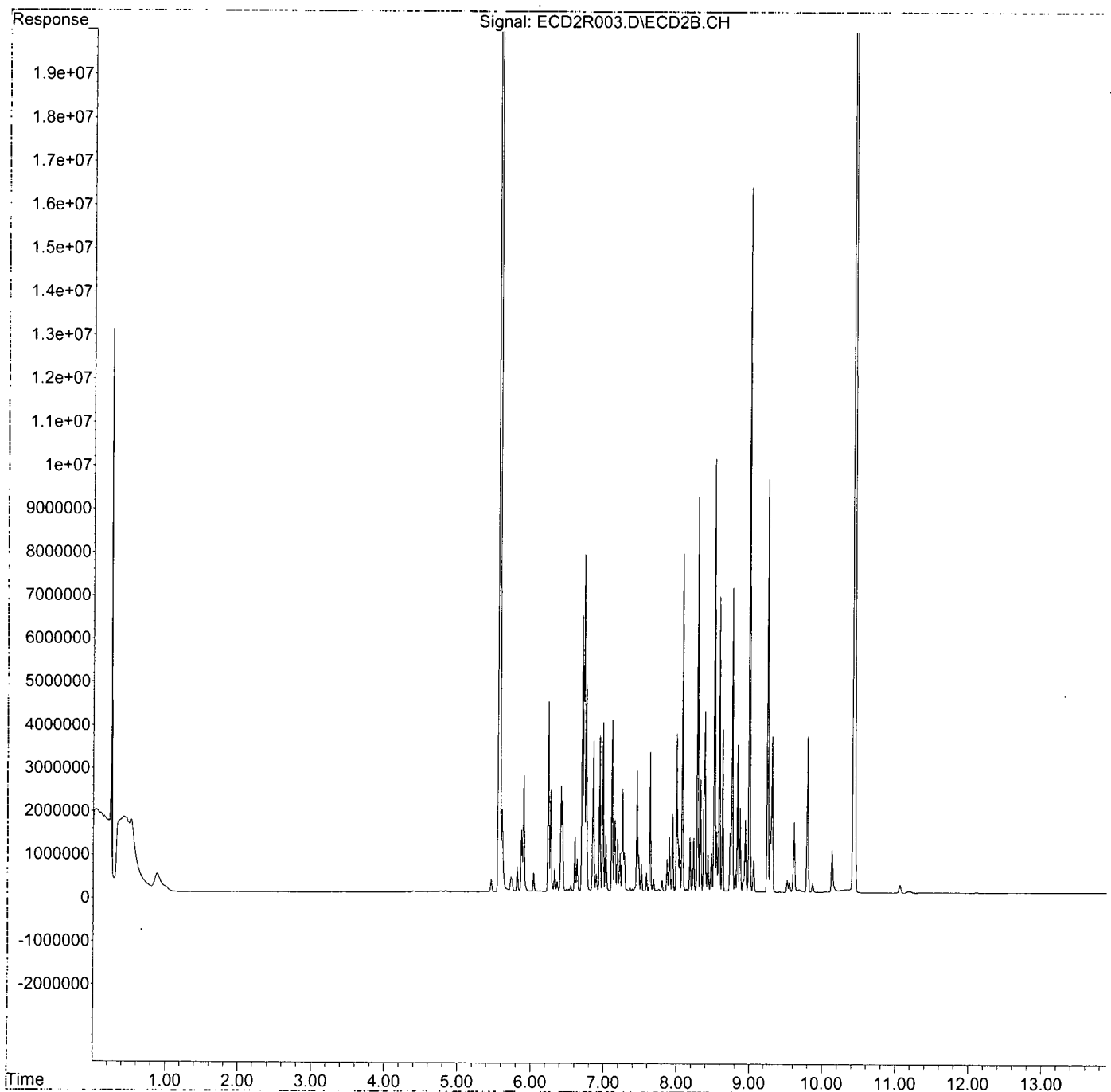
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 7:32
Operator : MJB / KAK
Sample : 0D14027-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:23:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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



Data Path : K:\DATA\0D14027\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 7:49
 Operator : MJB / KAK
 Sample : 0D14027-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:23:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 5.564 | 28884452 | 97.494 ng/ml |
| 62) S DCBP (S) | 10.430 | 14006861 | 83.890 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.232 | 5281 | 0.553 ng/ml |
| 3) Aroclor 1016 (2) | 6.721 | 9211 | 0.551 ng/ml |
| 4) Aroclor 1016 (3) | 6.844 | 10425 | 1.349 ng/ml |
| 5) Aroclor 1016 (4) | 6.949 | 9691 | 1.208 ng/ml |
| 6) Aroclor 1016 (5) | 6.986 | 9706 | 1.118 ng/ml |
| 7) Aroclor 1016 (6) | 7.106 | 9773 | 1.112 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.746 | 17768 | 8.036 ng/ml |
| 10) Aroclor 1221 (2) | 5.812 | 9495 | 4.386 ng/ml |
| 11) Aroclor 1221 (3) | 5.872 | 599147 | 82.950 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.930 | 11549 | 1.890 ng/ml |
| 14) Aroclor 1232 (2) | 6.232 | 5281 | 1.413 ng/ml |
| 15) Aroclor 1232 (3) | 6.721 | 9211 | 1.343 ng/ml |
| 16) Aroclor 1232 (4) | 6.949 | 9691 | 3.837 ng/ml |
| 17) Aroclor 1232 (5) | 6.986 | 9706 | 3.194 ng/ml |
| 18) Aroclor 1232 (6) | 7.106 | 9773 | 3.050 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.232 | 5281 | 0.757 ng/ml |
| 21) Aroclor 1242 (2) | 6.721 | 9211 | 0.738 ng/ml |
| 22) Aroclor 1242 (3) | 6.860 | 9921 | 1.757 ng/ml |
| 23) Aroclor 1242 (4) | 6.949 | 9691 | 1.823 ng/ml |
| 24) Aroclor 1242 (5) | 6.986 | 9706 | 1.590 ng/ml |
| 25) Aroclor 1242 (6) | 7.106 | 9773 | 1.499 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.721 | 9211 | 1.306 ng/ml |
| 28) Aroclor 1248 (2) | 6.949 | 9691 | 1.078 ng/ml |
| 29) Aroclor 1248 (3) | 6.986 | 9706 | 1.162 ng/ml |
| 30) Aroclor 1248 (4) | 7.106 | 9773 | 0.962 ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 8796 | 0.681 ng/ml |
| 32) Aroclor 1248 (6) | 7.644 | 16512 | 1.433 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.442 | 8981 | 0.696 ng/ml |
| 35) Aroclor 1254 (2) | 7.644 | 16512 | 0.808 ng/ml |
| 36) Aroclor 1254 (3) | 7.934 | 9637 | 0.436 ng/ml |
| 37) Aroclor 1254 (4) | 8.183 | 9128 | 0.526 ng/ml |
| 38) Aroclor 1254 (5) | 8.512 | 5865 | 0.354 ng/ml |
| 39) Aroclor 1254 (6) | 8.745 | 3636 | 0.723 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.080 | 8727 | 0.523 ng/ml |
| 42) Aroclor 1260 (2) | 8.287 | 8171 | 0.394 ng/ml |
| 43) Aroclor 1260 (3) | 8.512 | 5865 | 0.282 ng/ml |
| 44) Aroclor 1260 (4) | 8.993 | 2617 | 0.077 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 7:49
 Operator : MJB / KAK
 Sample : 0D14027-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:23:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 9.246 | 5785 | 0.292 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.797 | 6085 | 0.782 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.287 | 8171 | 0.502 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.587 | 5205 | 0.238 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.778 | 13507 | 0.753 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.993 | 2617 | 0.068 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.246 | 5785 | 0.248 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.797 | 6085 | 0.585 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.826 | 4933 | 0.508 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.246 | 5785 | 0.134 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.304 | 4231 | 0.119 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 299564 | 10.014 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.797 | 6085 | 0.508 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 606502 | 7.492 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

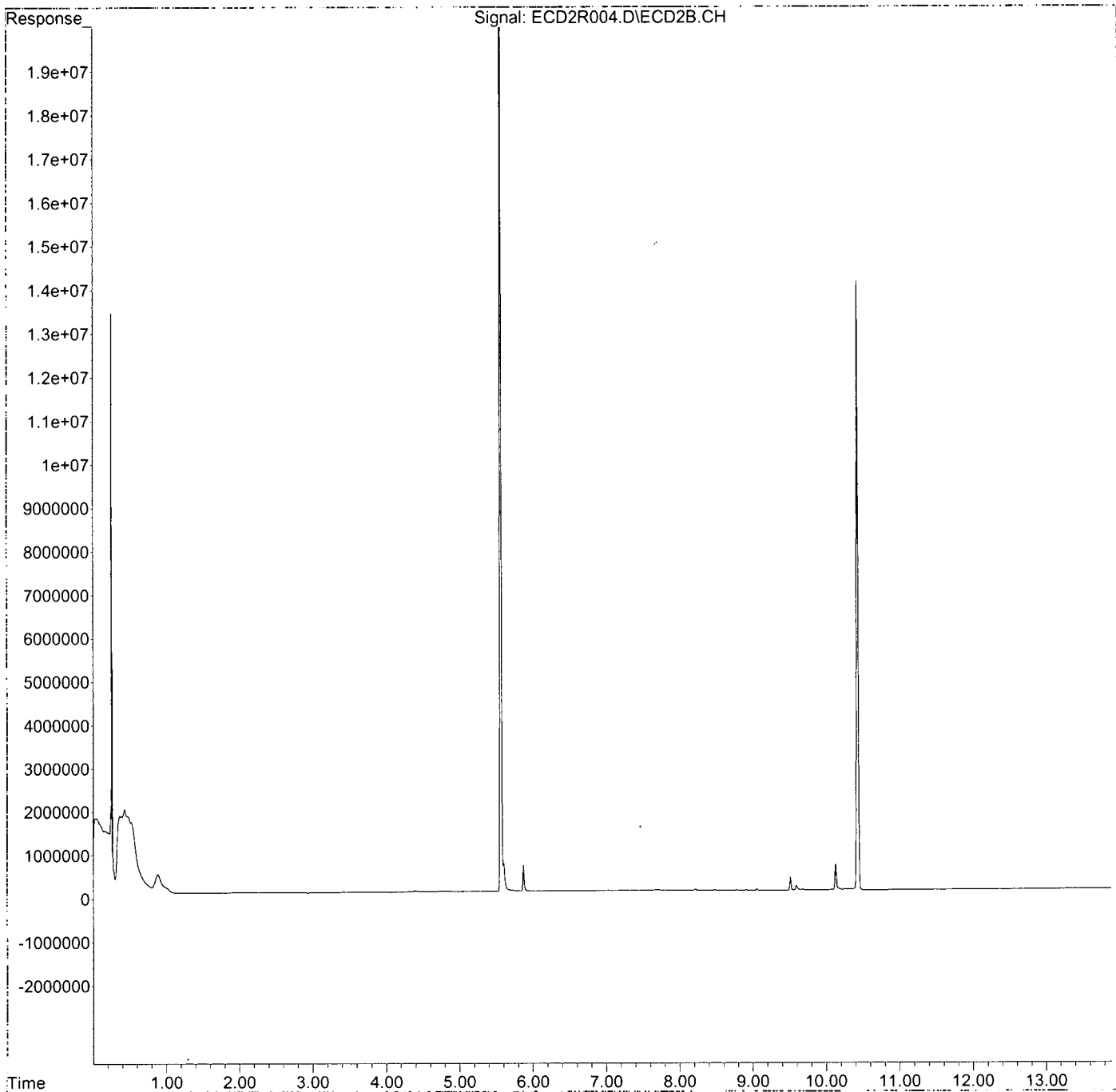
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 7:49
Operator : MJB / KAK
Sample : 0D14027-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:23:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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



Data Path : K:\DATA\0D14027\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:07
 Operator : MJB / KAK
 Sample : 0040261-BLK6
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:24:17 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 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

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| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|-----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.565 | 130876230 | 441.746 ng/ml |
| 62) S DCBP (S) | 10.434 | 105847552 | 633.942 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 9546 | 1.000 ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 9000 | 0.539 ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 10397 | 1.345 ng/ml |
| 5) Aroclor 1016 (4) | 6.936 | 9214 | 1.148 ng/ml |
| 6) Aroclor 1016 (5) | 6.981 | 9885 | 1.138 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 10532 | 1.198 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.772 | 21689 | 9.809 ng/ml |
| 10) Aroclor 1221 (2) | 5.811 | 15448 | 7.135 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 2305099 | 319.133 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 2305099 | 377.290 ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 9546 | 2.555 ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 9000 | 1.313 ng/ml |
| 16) Aroclor 1232 (4) | 6.936 | 9214 | 3.648 ng/ml |
| 17) Aroclor 1232 (5) | 6.981 | 9885 | 3.253 ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 10532 | 3.287 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 9546 | 1.369 ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 9000 | 0.721 ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 10397 | 1.841 ng/ml |
| 23) Aroclor 1242 (4) | 6.936 | 9214 | 1.733 ng/ml |
| 24) Aroclor 1242 (5) | 6.981 | 9885 | 1.619 ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 10532 | 1.616 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 9000 | 1.276 ng/ml |
| 28) Aroclor 1248 (2) | 6.936 | 9214 | 1.025 ng/ml |
| 29) Aroclor 1248 (3) | 6.981 | 9885 | 1.183 ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 10532 | 1.037 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 9872 | 0.764 ng/ml |
| 32) Aroclor 1248 (6) | 7.633 | 21889 | 1.899 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.448 | 9795 | 0.760 ng/ml |
| 35) Aroclor 1254 (2) | 7.633 | 21889 | 1.071 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 11112 | 0.503 ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 15122 | 0.871 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 14879 | 0.899 ng/ml |
| 39) Aroclor 1254 (6) | 8.741 | 8371 | 1.665 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 10861 | 0.651 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 11007 | 0.531 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 14879 | 0.715 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 16305 | 0.480 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:07
 Operator : MJB / KAK
 Sample : 0040261-BLK6
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:24:17 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|--------|----------|--------------|
| 45) | Aroclor 1260 (5) | 9.246 | 12882 | 0.651 ng/ml |
| 46) | Aroclor 1260 (6) | 9.796 | 30440 | 3.911 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 8.282 | 11007 | 0.676 ng/ml |
| 49) | Aroclor 1262 (2) | 8.583 | 9061 | 0.415 ng/ml |
| 50) | Aroclor 1262 (3) | 8.760 | 7876 | 0.439 ng/ml |
| 51) | Aroclor 1262 (4) | 8.996 | 16305 | 0.422 ng/ml |
| 52) | Aroclor 1262 (5) | 9.246 | 12882 | 0.552 ng/ml |
| 53) | Aroclor 1262 (6) | 9.796 | 30440 | 2.928 ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 8.801 | 6206 | 0.639 ng/ml |
| 56) | Aroclor 1268 (2) | 9.246 | 12882 | 0.299 ng/ml |
| 57) | Aroclor 1268 (3) | 9.304 | 10958 | 0.309 ng/ml |
| 58) | Aroclor 1268 (4) | 9.516 | 374107 | 12.506 ng/ml |
| 59) | Aroclor 1268 (5) | 9.796 | 30440 | 2.543 ng/ml |
| 60) | Aroclor 1268 (6) | 10.133 | 451586 | 5.578 ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

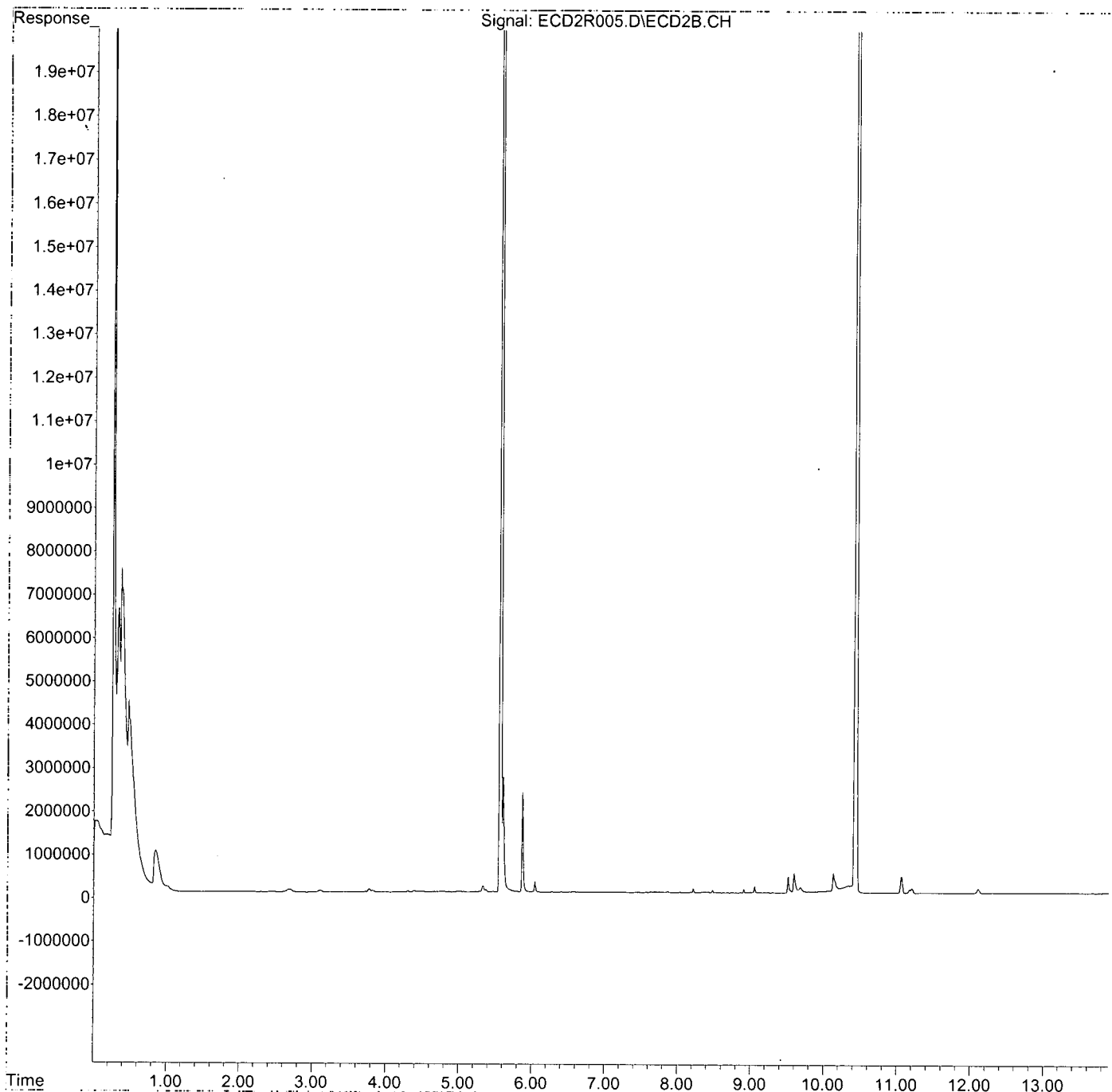
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 8:07
Operator : MJB / KAK
Sample : 0040261-BLK6
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:24:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:24
 Operator : MJB / KAK
 Sample : 0040261-BS6
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:24:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Study
 4/15/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|-----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.565 | 105217190 | 355.139 | ng/ml |
| 62) S DCBP (S) | 10.432 | 76185758 | 456.292 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.236 | 141430 | 14.816 | ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 235684 | 14.109 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 94456 | 12.222 | ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 133408 | 16.628 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 144076 | 16.591 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 124813 | 14.203 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.723 | 45318 | 20.495 | ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 27777 | 12.830 | ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 1778314 | 246.202 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 1778314 | 291.068 | ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 141430 | 37.850 | ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 235684 | 34.375 | ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 133408 | 52.819 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 144076 | 47.410 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 124813 | 38.954 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 141430 | 20.285 | ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 235684 | 18.886 | ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 94456 | 16.724 | ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 133408 | 25.098 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 144076 | 23.597 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 124813 | 19.150 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 235684 | 33.406 | ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 133408 | 14.841 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 144076 | 17.246 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 124813 | 12.291 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 35068 | 2.714 | ng/ml |
| 32) Aroclor 1248 (6) | 7.632 | 127525 | 11.066 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 98455 | 7.634 | ng/ml |
| 35) Aroclor 1254 (2) | 7.632 | 127525 | 6.237 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 62413 | 2.825 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 51259 | 2.953 | ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 306568 | 18.529 | ng/ml |
| 39) Aroclor 1254 (6) | 8.730 | 53457 | 10.636 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 257397 | 15.427 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 347559 | 16.777 | ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 306568 | 14.729 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 516590 | 15.216 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:24
 Operator : MJB / KAK
 Sample : 0040261-BS6
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:24:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 9.244 | 294426 | 14.876 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.793 | 152752 | 19.624 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 347559 | 21.361 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.582 | 251444 | 11.514 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.759 | 219503 | 12.230 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 516590 | 13.356 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.244 | 294426 | 12.615 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.793 | 152752 | 14.691 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 19915 | 2.051 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.244 | 294426 | 6.831 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.306 | 144493 | 4.079 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.516 | 320611 | 10.718 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.793 | 152752 | 12.760 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.133 | 380381 | 4.699 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

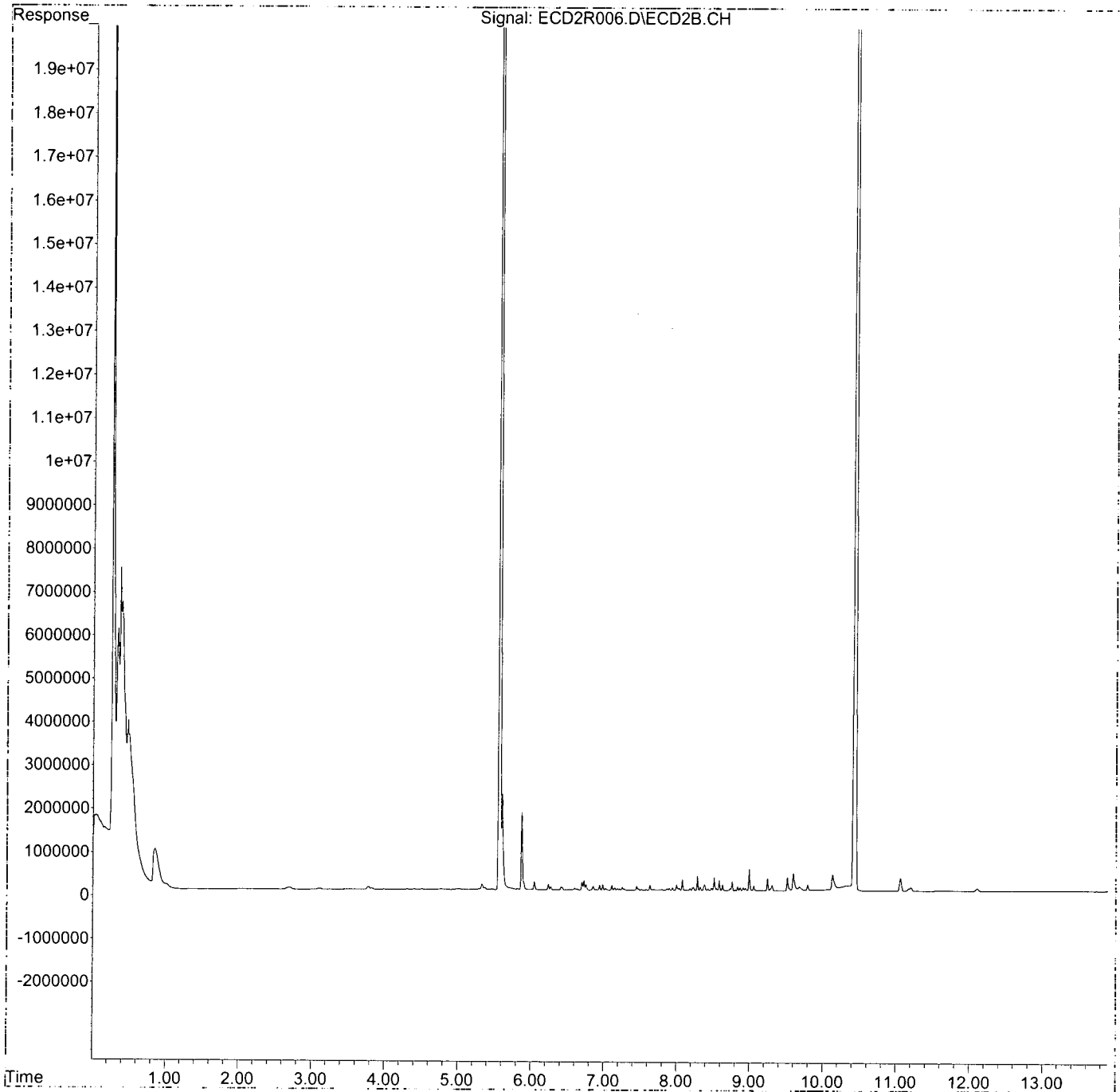
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 8:24
Operator : MJB / KAK
Sample : 0040261-BS6
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:24:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:42
 Operator : MJB / KAK
 Sample : 0040259-BLK6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:25:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/15/20
 Study
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.562 | 40643583 | 137.184 ng/ml |
| 62) S DCBP (S) | 10.431 | 42971966 | 257.368 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.236 | 6286 | 0.658 ng/ml |
| 3) Aroclor 1016 (2) | 6.728 | 7013 | 0.420 ng/ml |
| 4) Aroclor 1016 (3) | 6.854 | 7759 | 1.004 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 7685 | 0.958 ng/ml |
| 6) Aroclor 1016 (5) | 6.986 | 7939 | 0.914 ng/ml |
| 7) Aroclor 1016 (6) | 7.110 | 8078 | 0.919 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.768 | 16524 | 7.473 ng/ml |
| 10) Aroclor 1221 (2) | 5.793 | 12585 | 5.813 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 822443 | 113.865 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 822443 | 134.614 ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 6286 | 1.682 ng/ml |
| 15) Aroclor 1232 (3) | 6.728 | 7013 | 1.023 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 7685 | 3.043 ng/ml |
| 17) Aroclor 1232 (5) | 6.986 | 7939 | 2.612 ng/ml |
| 18) Aroclor 1232 (6) | 7.110 | 8078 | 2.521 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 6286 | 0.902 ng/ml |
| 21) Aroclor 1242 (2) | 6.728 | 7013 | 0.562 ng/ml |
| 22) Aroclor 1242 (3) | 6.854 | 7759 | 1.374 ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 7685 | 1.446 ng/ml |
| 24) Aroclor 1242 (5) | 6.986 | 7939 | 1.300 ng/ml |
| 25) Aroclor 1242 (6) | 7.110 | 8078 | 1.239 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.728 | 7013 | 0.994 ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 7685 | 0.855 ng/ml |
| 29) Aroclor 1248 (3) | 6.986 | 7939 | 0.950 ng/ml |
| 30) Aroclor 1248 (4) | 7.110 | 8078 | 0.795 ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 8516 | 0.659 ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 14001 | 1.215 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.453 | 7914 | 0.614 ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 14001 | 0.685 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 8265 | 0.374 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 8375 | 0.483 ng/ml |
| 38) Aroclor 1254 (5) | 8.509 | 6890 | 0.416 ng/ml |
| 39) Aroclor 1254 (6) | 8.741 | 5088 | 1.012 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.074 | 8124 | 0.487 ng/ml |
| 42) Aroclor 1260 (2) | 8.279 | 7842 | 0.379 ng/ml |
| 43) Aroclor 1260 (3) | 8.509 | 6890 | 0.331 ng/ml |
| 44) Aroclor 1260 (4) | 8.991 | 13712 | 0.404 ng/ml |

Data Path : K:\DATA\0D14027\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:42
 Operator : MJB / KAK
 Sample : 0040259-BLK6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:25:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|-------------|
| 45) Aroclor 1260 (5) | 9.244 | 6747 | 0.341 ng/ml |
| 46) Aroclor 1260 (6) | 9.798 | 17068 | 2.193 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.279 | 7842 | 0.482 ng/ml |
| 49) Aroclor 1262 (2) | 8.584 | 5702 | 0.261 ng/ml |
| 50) Aroclor 1262 (3) | 8.761 | 4276 | 0.238 ng/ml |
| 51) Aroclor 1262 (4) | 8.991 | 13712 | 0.355 ng/ml |
| 52) Aroclor 1262 (5) | 9.244 | 6747 | 0.289 ng/ml |
| 53) Aroclor 1262 (6) | 9.798 | 17068 | 1.642 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.799 | 5052 | 0.520 ng/ml |
| 56) Aroclor 1268 (2) | 9.244 | 6747 | 0.157 ng/ml |
| 57) Aroclor 1268 (3) | 9.307 | 4787 | 0.135 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 226632 | 7.576 ng/ml |
| 59) Aroclor 1268 (5) | 9.798 | 17068 | 1.426 ng/ml |
| 60) Aroclor 1268 (6) | 10.132 | 239956 | 2.964 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

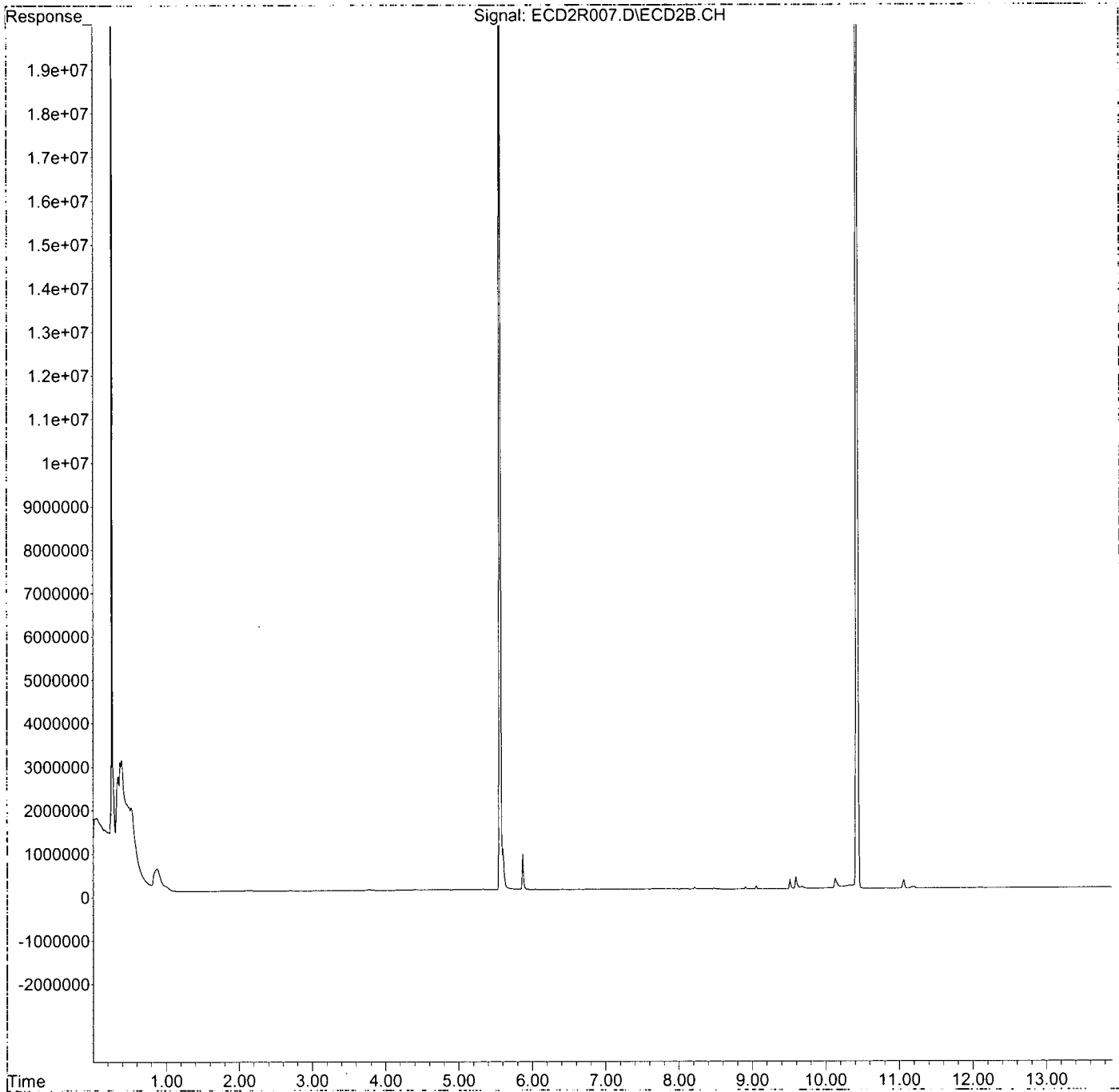
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 8:42
Operator : MJB / KAK
Sample : 0040259-BLK6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:25:06 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\OD14027\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:59
 Operator : MJB / KAK
 Sample : 0040259-BS6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:25:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/15/20 Study

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) | 5.564 | 48947395 | 165.212 ng/ml |
| 62) S DCBP (S) | 10.429 | 43995204 | 263.496 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.235 | 156775 | 16.424 ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 254145 | 15.215 ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 112291 | 14.530 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 146329 | 18.238 ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 157631 | 18.152 ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 145926 | 16.605 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.741 | 32353 | 14.632 ng/ml |
| 10) Aroclor 1221 (2) | 5.812 | 30198 | 13.948 ng/ml |
| 11) Aroclor 1221 (3) | 5.870 | 983180 | 136.118 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.870 | 983180 | 160.923 ng/ml |
| 14) Aroclor 1232 (2) | 6.235 | 156775 | 41.957 ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 254145 | 37.068 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 146329 | 57.935 ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 157631 | 51.870 ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 145926 | 45.544 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.235 | 156775 | 22.486 ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 254145 | 20.365 ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 112291 | 19.882 ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 146329 | 27.529 ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 157631 | 25.818 ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 145926 | 22.389 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 254145 | 36.023 ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 146329 | 16.278 ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 157631 | 18.868 ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 145926 | 14.370 ng/ml |
| 31) Aroclor 1248 (5) | 7.472 | 41365 | 3.202 ng/ml |
| 32) Aroclor 1248 (6) | 7.630 | 149987 | 13.016 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 117705 | 9.127 ng/ml |
| 35) Aroclor 1254 (2) | 7.630 | 149987 | 7.336 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 76913 | 3.482 ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 62920 | 3.625 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 365740 | 22.105 ng/ml |
| 39) Aroclor 1254 (6) | 8.729 | 65488 | 13.030 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.075 | 303594 | 18.196 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 390921 | 18.870 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 365740 | 17.572 ng/ml |
| 44) Aroclor 1260 (4) | 8.992 | 627559 | 18.485 ng/ml |

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Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 8:59
 Operator : MJB / KAK
 Sample : 0040259-BS6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:25:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.244 | 366987 | 18.542 ng/ml |
| 46) Aroclor 1260 (6) | 9.792 | 170041 | 21.845 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 390921 | 24.026 ng/ml |
| 49) Aroclor 1262 (2) | 8.582 | 294524 | 13.486 ng/ml |
| 50) Aroclor 1262 (3) | 8.758 | 285695 | 15.918 ng/ml |
| 51) Aroclor 1262 (4) | 8.992 | 627559 | 16.225 ng/ml |
| 52) Aroclor 1262 (5) | 9.244 | 366987 | 15.724 ng/ml |
| 53) Aroclor 1262 (6) | 9.792 | 170041 | 16.354 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 29029 | 2.990 ng/ml |
| 56) Aroclor 1268 (2) | 9.244 | 366987 | 8.515 ng/ml |
| 57) Aroclor 1268 (3) | 9.306 | 175468 | 4.953 ng/ml |
| 58) Aroclor 1268 (4) | 9.515 | 235981 | 7.889 ng/ml |
| 59) Aroclor 1268 (5) | 9.792 | 170041 | 14.204 ng/ml |
| 60) Aroclor 1268 (6) | 10.131 | 280860 | 3.469 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

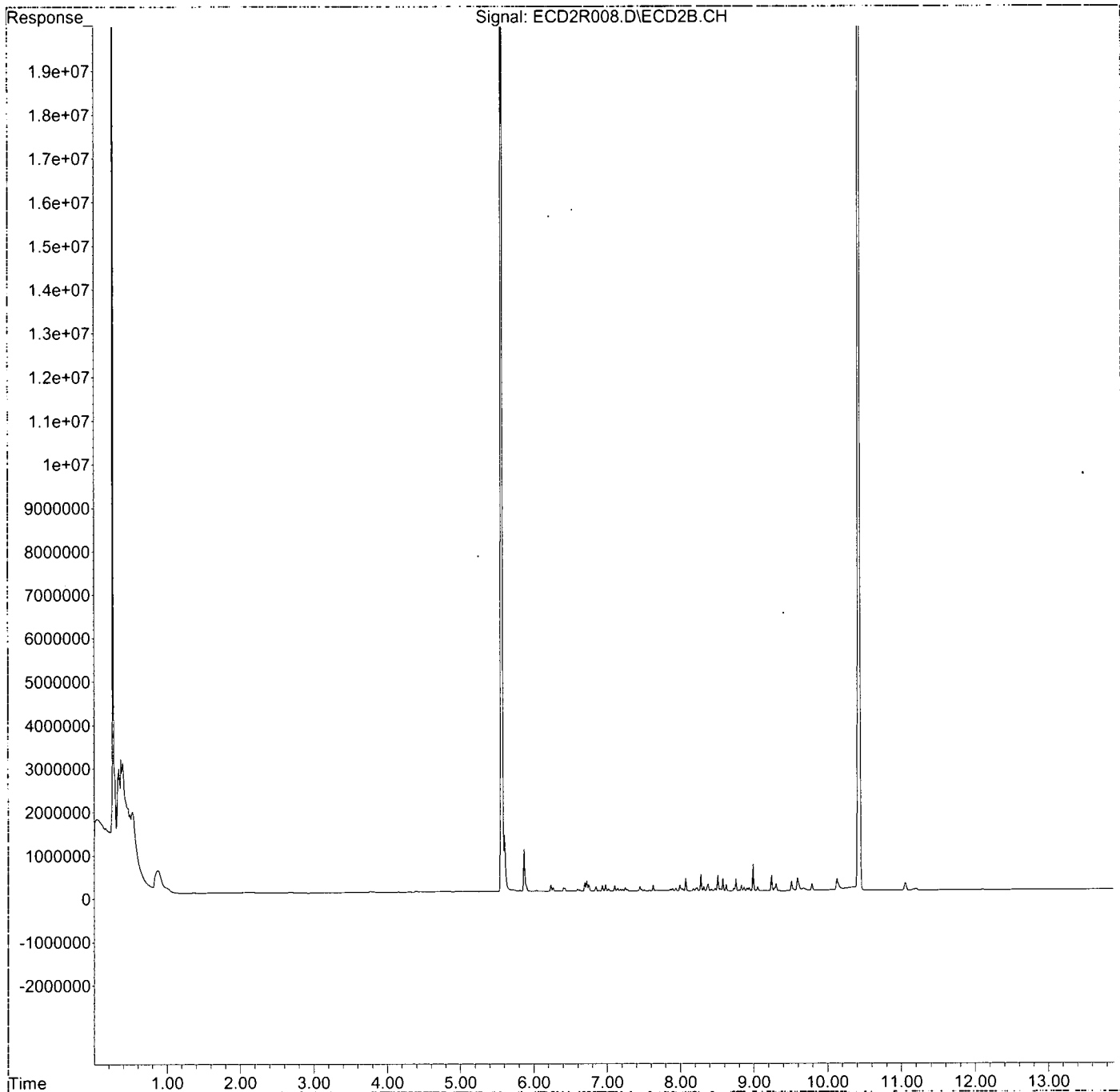
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 8:59
Operator : MJB / KAK
Sample : 0040259-BS6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:25:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:17
 Operator : MJB / KAK
 Sample : 0040254-BLK6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:27:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 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

4/15/20
Clean
Study

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.558 | 9607751 | 32.429 ng/ml |
| 62) S DCBP (S) | 10.450 | 16968300 | 101.627 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.246 | 4994 | 0.523 ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 7812 | 0.468 ng/ml |
| 4) Aroclor 1016 (3) | 6.850 | 7537 | 0.975 ng/ml |
| 5) Aroclor 1016 (4) | 6.946 | 7725 | 0.963 ng/ml |
| 6) Aroclor 1016 (5) | 6.973 | 7642 | 0.880 ng/ml |
| 7) Aroclor 1016 (6) | 7.105 | 6603 | 0.751 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.765 | 7684 | 3.475 ng/ml |
| 10) Aroclor 1221 (2) | 5.811 | 6308 | 2.913 ng/ml |
| 11) Aroclor 1221 (3) | 5.933 | 9785 | 1.355 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.933 | 9785 | 1.602 ng/ml |
| 14) Aroclor 1232 (2) | 6.246 | 4994 | 1.337 ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 7812 | 1.139 ng/ml |
| 16) Aroclor 1232 (4) | 6.946 | 7725 | 3.059 ng/ml |
| 17) Aroclor 1232 (5) | 6.973 | 7642 | 2.515 ng/ml |
| 18) Aroclor 1232 (6) | 7.105 | 6603 | 2.061 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.246 | 4994 | 0.716 ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 7812 | 0.626 ng/ml |
| 22) Aroclor 1242 (3) | 6.850 | 7537 | 1.335 ng/ml |
| 23) Aroclor 1242 (4) | 6.946 | 7725 | 1.453 ng/ml |
| 24) Aroclor 1242 (5) | 6.973 | 7642 | 1.252 ng/ml |
| 25) Aroclor 1242 (6) | 7.105 | 6603 | 1.013 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 7812 | 1.107 ng/ml |
| 28) Aroclor 1248 (2) | 6.946 | 7725 | 0.859 ng/ml |
| 29) Aroclor 1248 (3) | 6.973 | 7642 | 0.915 ng/ml |
| 30) Aroclor 1248 (4) | 7.105 | 6603 | 0.650 ng/ml |
| 31) Aroclor 1248 (5) | 7.472 | 4668 | 0.361 ng/ml |
| 32) Aroclor 1248 (6) | 7.645 | 13630 | 1.183 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.456 | 4450 | 0.345 ng/ml |
| 35) Aroclor 1254 (2) | 7.645 | 13630 | 0.667 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 2935 | 0.133 ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 2995 | 0.173 ng/ml |
| 38) Aroclor 1254 (5) | 8.519 | 2443 | 0.148 ng/ml |
| 39) Aroclor 1254 (6) | 8.742 | 2691 | 0.535 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.079 | 3775 | 0.226 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 2915 | 0.141 ng/ml |
| 43) Aroclor 1260 (3) | 8.519 | 2443 | 0.117 ng/ml |
| 44) Aroclor 1260 (4) | 8.999 | 3394 | 0.100 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:17
 Operator : MJB / KAK
 Sample : 0040254-BLK6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:27:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|-------|-------|
| 45) Aroclor 1260 (5) | 9.245 | 1750 | 0.088 | ng/ml |
| 46) Aroclor 1260 (6) | 9.762 | 7179 | 0.922 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 2915 | 0.179 | ng/ml |
| 49) Aroclor 1262 (2) | 8.581 | 1498 | 0.069 | ng/ml |
| 50) Aroclor 1262 (3) | 8.765 | 1184 | 0.066 | ng/ml |
| 51) Aroclor 1262 (4) | 8.999 | 3394 | 0.088 | ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 1750 | 0.075 | ng/ml |
| 53) Aroclor 1262 (6) | 9.762 | 7179 | 0.690 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.802 | 1413 | 0.146 | ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 1750 | 0.041 | ng/ml |
| 57) Aroclor 1268 (3) | 9.312 | 908 | 0.026 | ng/ml |
| 58) Aroclor 1268 (4) | 9.528 | 54441 | 1.820 | ng/ml |
| 59) Aroclor 1268 (5) | 9.762 | 7179 | 0.600 | ng/ml |
| 60) Aroclor 1268 (6) | 10.152 | 90909 | 1.123 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

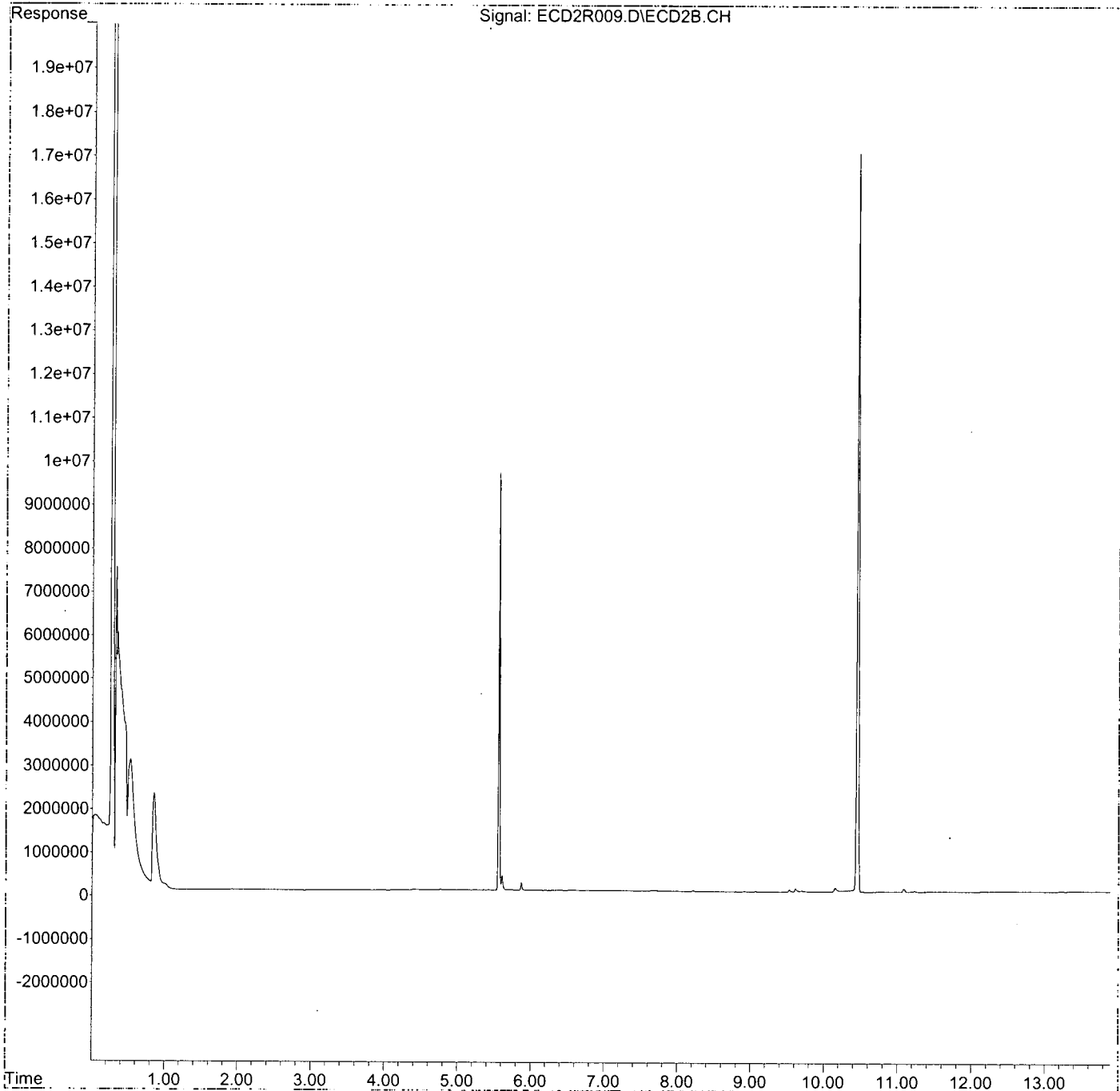
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 9:17
Operator : MJB / KAK
Sample : 0040254-BLK6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:27:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:35
 Operator : MJB / KAK
 Sample : 0040254-BS6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:27:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/15/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.561 | 11178754 | 37.732 ng/ml |
| 62) S DCBP (S) | 10.451 | 17167902 | 102.822 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.235 | 152541 | 15.980 ng/ml |
| 3) Aroclor 1016 (2) | 6.725 | 211277 | 12.648 ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 87236 | 11.288 ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 145005 | 18.073 ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 153280 | 17.651 ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 143347 | 16.312 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.723 | 19396 | 8.772 ng/ml |
| 10) Aroclor 1221 (2) | 5.812 | 21507 | 9.934 ng/ml |
| 11) Aroclor 1221 (3) | 5.899 | 89032 | 12.326 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.899 | 89032 | 14.572 ng/ml |
| 14) Aroclor 1232 (2) | 6.235 | 152541 | 40.824 ng/ml |
| 15) Aroclor 1232 (3) | 6.725 | 211277 | 30.816 ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 145005 | 57.411 ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 153280 | 50.438 ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 143347 | 44.739 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.235 | 152541 | 21.879 ng/ml |
| 21) Aroclor 1242 (2) | 6.725 | 211277 | 16.930 ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 87236 | 15.446 ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 145005 | 27.280 ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 153280 | 25.105 ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 143347 | 21.993 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.725 | 211277 | 29.947 ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 145005 | 16.131 ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 153280 | 18.347 ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 143347 | 14.116 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 37599 | 2.910 ng/ml |
| 32) Aroclor 1248 (6) | 7.633 | 141371 | 12.268 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 112375 | 8.714 ng/ml |
| 35) Aroclor 1254 (2) | 7.633 | 141371 | 6.914 ng/ml |
| 36) Aroclor 1254 (3) | 7.943 | 68378 | 3.095 ng/ml |
| 37) Aroclor 1254 (4) | 8.184 | 48058 | 2.769 ng/ml |
| 38) Aroclor 1254 (5) | 8.519 | 365946 | 22.118 ng/ml |
| 39) Aroclor 1254 (6) | 8.737 | 63885 | 12.711 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.080 | 307633 | 18.438 ng/ml |
| 42) Aroclor 1260 (2) | 8.288 | 390871 | 18.867 ng/ml |
| 43) Aroclor 1260 (3) | 8.519 | 365946 | 17.582 ng/ml |
| 44) Aroclor 1260 (4) | 9.002 | 635997 | 18.733 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:35
 Operator : MJB / KAK
 Sample : 0040254-BS6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:27:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 9.253 | 354824 | 17.928 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.808 | 157712 | 20.261 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.288 | 390871 | 24.023 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.589 | 296107 | 13.559 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.765 | 276497 | 15.406 | ng/ml |
| 51) | Aroclor 1262 (4) | 9.002 | 635997 | 16.444 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.253 | 354824 | 15.203 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.808 | 157712 | 15.168 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.806 | 24507 | 2.524 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.253 | 354824 | 8.232 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.317 | 154521 | 4.362 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.529 | 60274 | 2.015 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.808 | 157712 | 13.174 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.151 | 125183 | 1.546 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

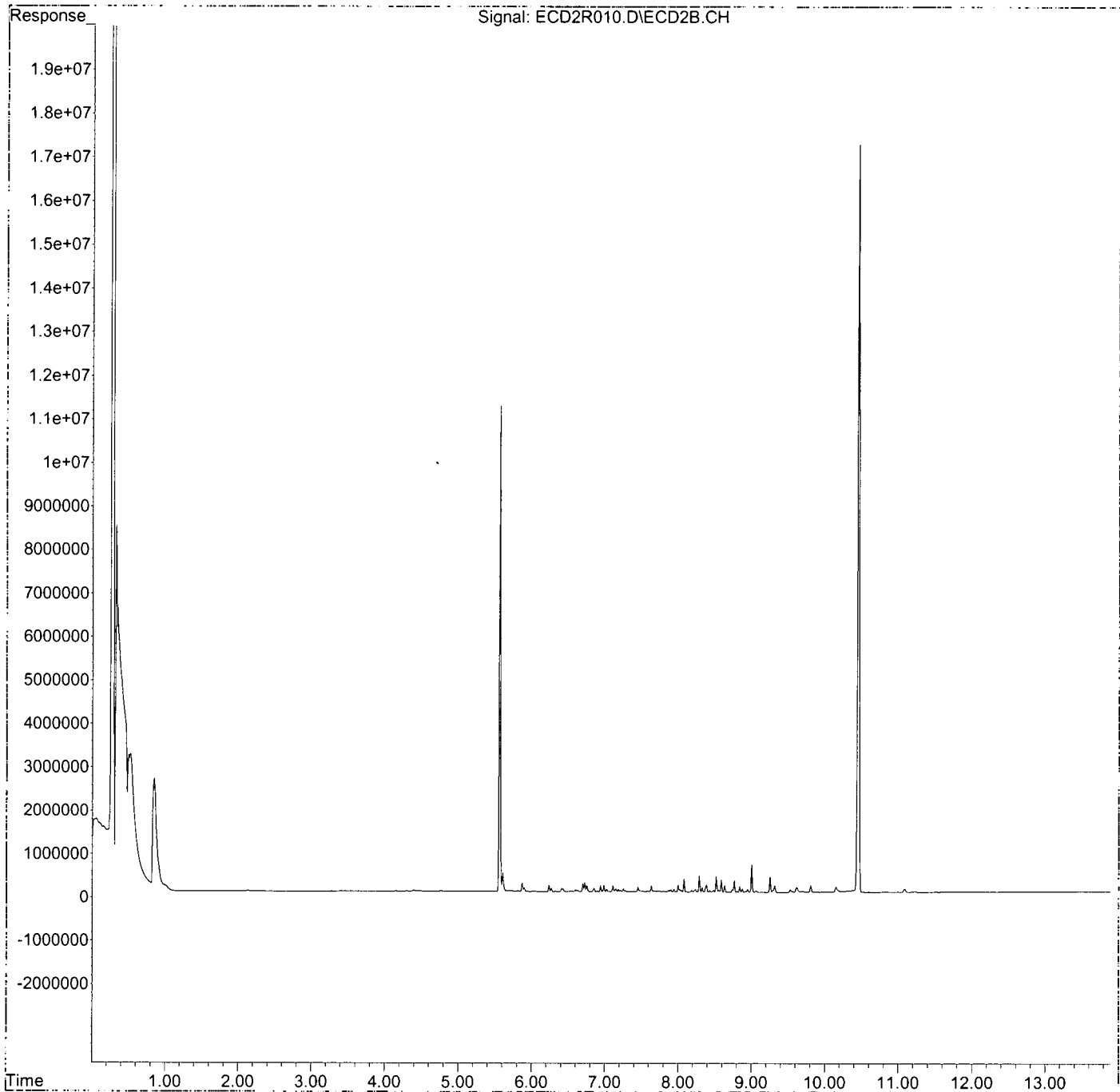
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 9:35
Operator : MJB / KAK
Sample : 0040254-BS6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:27:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D14027-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/15/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.565 | 74642814 | 251.942 | ng/ml |
| 62) S DCBP (S) | 10.432 | 42828658 | 256.509 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.236 | 4295939 | 450.052 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 7818210 | 468.043 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 3513329 | 454.598 | ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 3522216 | 439.001 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 3964224 | 456.498 | ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 4024916 | 458.007 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.741 | 272170 | 123.090 | ng/ml |
| 10) Aroclor 1221 (2) | 5.814 | 552127 | 255.018 | ng/ml |
| 11) Aroclor 1221 (3) | 5.901 | 2697123 | 373.408 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.901 | 2697123 | 441.455 | ng/ml |
| 14) Aroclor 1232 (2) | 6.236 | 4295939 | 1149.711 | ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 7818210 | 1140.317 | ng/ml |
| 16) Aroclor 1232 (4) | 6.939 | 3522216 | 1394.531 | ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 3964224 | 1304.467 | ng/ml |
| 18) Aroclor 1232 (6) | 7.108 | 4024916 | 1256.176 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.236 | 4295939 | 616.162 | ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 7818210 | 626.495 | ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 3513329 | 622.074 | ng/ml |
| 23) Aroclor 1242 (4) | 6.939 | 3522216 | 662.631 | ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 3964224 | 649.279 | ng/ml |
| 25) Aroclor 1242 (6) | 7.108 | 4024916 | 617.526 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 7818210 | 1108.164 | ng/ml |
| 28) Aroclor 1248 (2) | 6.939 | 3522216 | 391.831 | ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 3964224 | 474.511 | ng/ml |
| 30) Aroclor 1248 (4) | 7.108 | 4024916 | 396.354 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 819217 | 63.407 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 3290232 | 285.520 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.450 | 2775048 | 215.185 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 3290232 | 160.920 | ng/ml |
| 36) Aroclor 1254 (3) | 7.941 | 1847263 | 83.619 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 1312476 | 75.618 | ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 9803490 | 592.519 | ng/ml |
| 39) Aroclor 1254 (6) | 8.731 | 1368542 | 272.291 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 7990386 | 478.914 | ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 9792405 | 472.680 | ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 9803490 | 471.018 | ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 17193546 | 506.437 | ng/ml |

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Data Path : K:\DATA\0D14027\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 9:52
 Operator : MJB / KAK
 Sample : 0D14027-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|---------|-------|
| 45) | Aroclor 1260 (5) | 9.246 | 10037844 | 507.170 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.795 | 3711723 | 476.836 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 9792405 | 601.842 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.583 | 7334563 | 335.855 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.760 | 7187000 | 400.440 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.995 | 17193546 | 444.537 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.246 | 10037844 | 430.079 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.795 | 3711723 | 356.974 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 507060 | 52.229 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.246 | 10037844 | 232.889 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.307 | 3629439 | 102.452 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 310207 | 10.370 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.795 | 3711723 | 310.059 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 966532 | 11.939 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

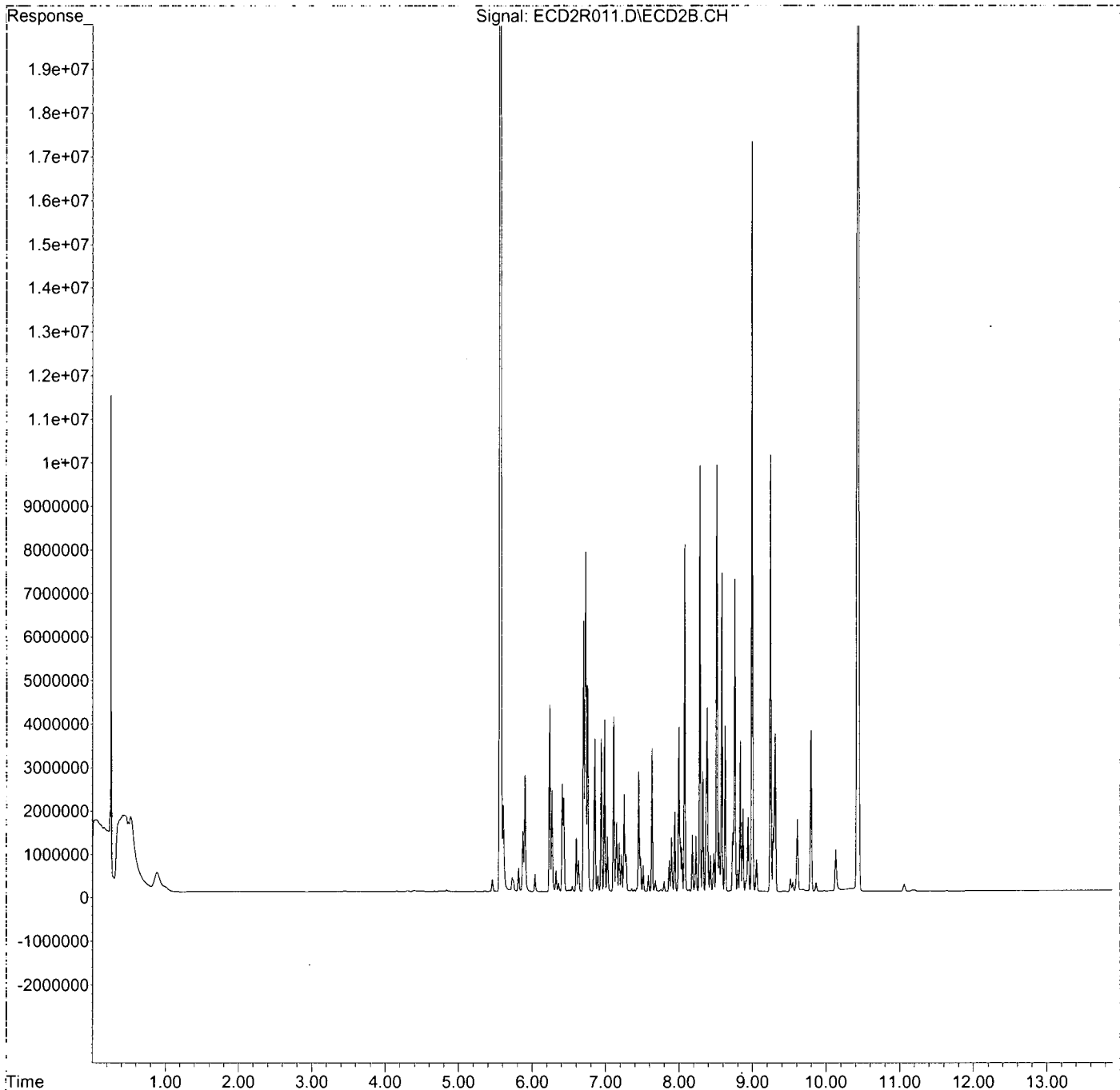
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 9:52
Operator : MJB / KAK
Sample : 0D14027-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:28:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 10:10
 Operator : MJB / KAK
 Sample : 0D14027-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/15/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|--------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.562 | 28858309 | 97.405 ng/ml |
| 62) S DCBP (S) | 10.430 | 14838337 | 88.870 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.243 | 2899 | 0.304 ng/ml |
| 3) Aroclor 1016 (2) | 6.730 | 6488 | 0.388 ng/ml |
| 4) Aroclor 1016 (3) | 6.854 | 6596 | 0.853 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 6687 | 0.833 ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 6892 | 0.794 ng/ml |
| 7) Aroclor 1016 (6) | 7.113 | 5768 | 0.656 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.789f | 9281 | 4.197 ng/ml |
| 10) Aroclor 1221 (2) | 5.821 | 6372 | 2.943 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 586604 | 81.213 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 586604 | 96.013 ng/ml |
| 14) Aroclor 1232 (2) | 6.243 | 2899 | 0.776 ng/ml |
| 15) Aroclor 1232 (3) | 6.730 | 6488 | 0.946 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 6687 | 2.648 ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 6892 | 2.268 ng/ml |
| 18) Aroclor 1232 (6) | 7.113 | 5768 | 1.800 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.243 | 2899 | 0.416 ng/ml |
| 21) Aroclor 1242 (2) | 6.730 | 6488 | 0.520 ng/ml |
| 22) Aroclor 1242 (3) | 6.854 | 6596 | 1.168 ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 6687 | 1.258 ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 6892 | 1.129 ng/ml |
| 25) Aroclor 1242 (6) | 7.113 | 5768 | 0.885 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.730 | 6488 | 0.920 ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 6687 | 0.744 ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 6892 | 0.825 ng/ml |
| 30) Aroclor 1248 (4) | 7.113 | 5768 | 0.568 ng/ml |
| 31) Aroclor 1248 (5) | 7.477 | 9956 | 0.771 ng/ml |
| 32) Aroclor 1248 (6) | 7.643 | 12787 | 1.110 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.457 | 9726 | 0.754 ng/ml |
| 35) Aroclor 1254 (2) | 7.643 | 12787 | 0.625 ng/ml |
| 36) Aroclor 1254 (3) | 7.938 | 11987 | 0.543 ng/ml |
| 37) Aroclor 1254 (4) | 8.182 | 7241 | 0.417 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 2722 | 0.165 ng/ml |
| 39) Aroclor 1254 (6) | 8.739 | 2302 | 0.458 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 8329 | 0.499 ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 7138 | 0.345 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 2722 | 0.131 ng/ml |
| 44) Aroclor 1260 (4) | 8.999 | 1482 | 0.044 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 10:10
 Operator : MJB / KAK
 Sample : 0D14027-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|-------|-------|
| 45) | Aroclor 1260 (5) | 9.245 | 7213 | 0.364 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.792 | 5975 | 0.768 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.283 | 7138 | 0.439 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.585 | 4089 | 0.187 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.780 | 10649 | 0.593 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.999 | 1482 | 0.038 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.245 | 7213 | 0.309 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.792 | 5975 | 0.575 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.797 | 10612 | 1.093 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.245 | 7213 | 0.167 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.306 | 5293 | 0.149 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 294762 | 9.854 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.792 | 5975 | 0.499 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 617533 | 7.628 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

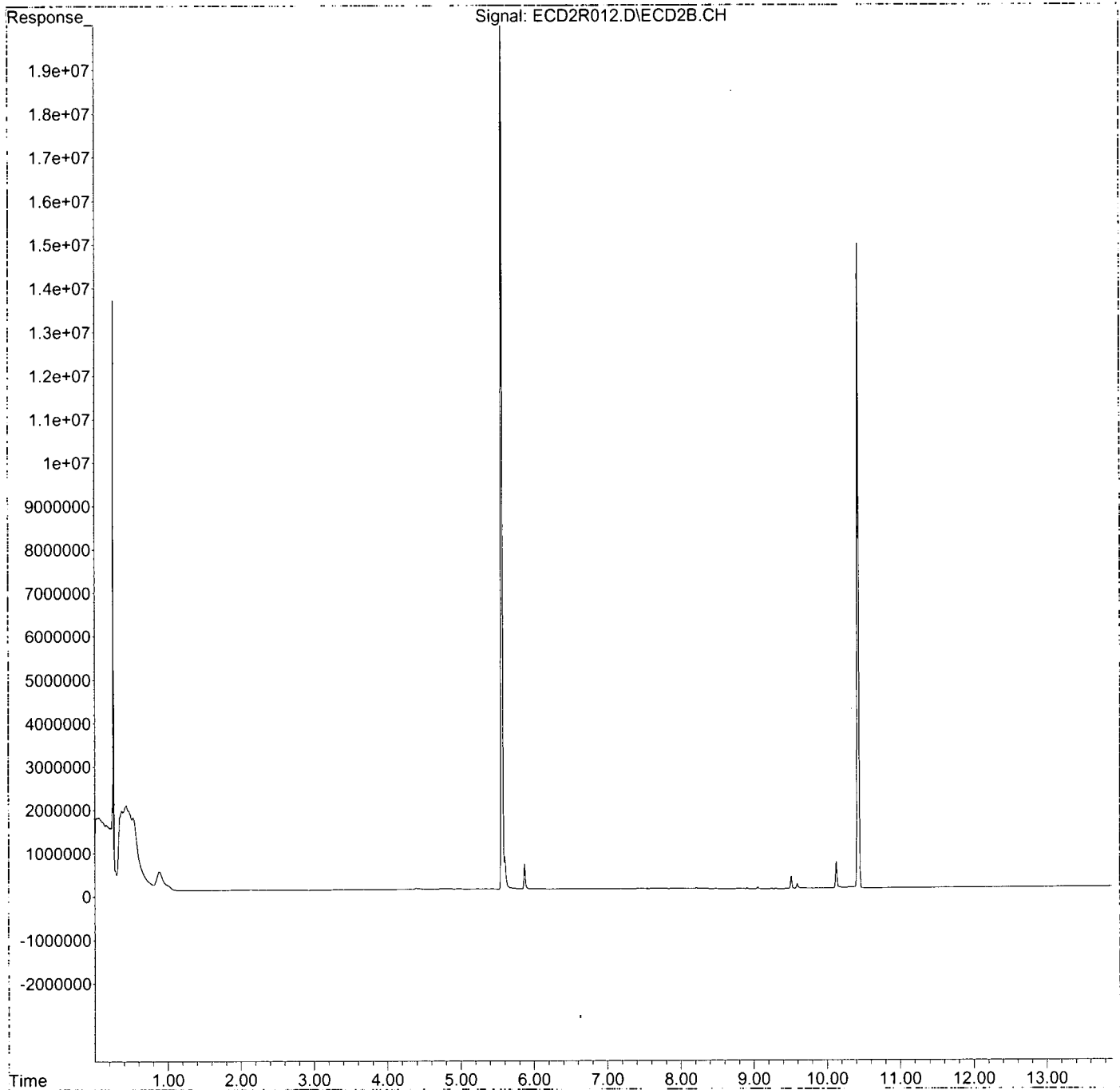
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 10:10
Operator : MJB / KAK
Sample : 0D14027-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:28:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 10:27
 Operator : MJB / KAK
 Sample : A0D0212-06
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/15/20
 RR-6

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) | 5.565 | 71584711 | 241.620 | ng/ml |
| 62) S DCBP (S) | 10.433 | 21511188 | 128.835 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.310f | 188272604 | 19723.832 | ng/ml |
| 3) Aroclor 1016 (2) | 6.749 | 191238087 | 11448.605 | ng/ml |
| 4) Aroclor 1016 (3) | 6.840 | 191844691 | 24823.267 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 192499564 | 23992.700 | ng/ml |
| 6) Aroclor 1016 (5) | 6.995 | 192886881 | 22211.779 | ng/ml |
| 7) Aroclor 1016 (6) | 7.098 | 193576751 | 22027.684 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.717 | 22494736 | 10173.310 | ng/ml |
| 10) Aroclor 1221 (2) | 5.836 | 37888105 | 17499.888 | ng/ml |
| 11) Aroclor 1221 (3) | 5.907 | 36002411 | 4984.414 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.907 | 36002411 | 5892.738 | ng/ml |
| 14) Aroclor 1232 (2) | 6.310f | 188272604 | 50386.914 | ng/ml |
| 15) Aroclor 1232 (3) | 6.749 | 191238087 | 27892.845 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 192499564 | 76215.233 | ng/ml |
| 17) Aroclor 1232 (5) | 6.995 | 192886881 | 63471.340 | ng/ml |
| 18) Aroclor 1232 (6) | 7.098 | 193576751 | 60415.273 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.310f | 188272604 | 27003.747 | ng/ml |
| 21) Aroclor 1242 (2) | 6.749 | 191238087 | 15324.439 | ng/ml |
| 22) Aroclor 1242 (3) | 6.840 | 191844691 | 33968.234 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 192499564 | 36214.736 | ng/ml |
| 24) Aroclor 1242 (5) | 6.995 | 192886881 | 31591.890 | ng/ml |
| 25) Aroclor 1242 (6) | 7.098 | 193576751 | 29699.652 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.749 | 191238087 | 27106.344 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 192499564 | 21414.747 | ng/ml |
| 29) Aroclor 1248 (3) | 6.995 | 192886881 | 23088.224 | ng/ml |
| 30) Aroclor 1248 (4) | 7.098 | 193576751 | 19062.500 | ng/ml |
| 31) Aroclor 1248 (5) | 7.501 | 4776380 | 369.688 | ng/ml |
| 32) Aroclor 1248 (6) | 7.625 | 43931280 | 3812.266 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 11788738 | 914.130 | ng/ml |
| 35) Aroclor 1254 (2) | 7.625 | 43931280 | 2148.615 | ng/ml |
| 36) Aroclor 1254 (3) | 7.931 | 78117294 | 3536.075 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 3257532 | 187.682 | ng/ml |
| 38) Aroclor 1254 (5) | 8.516 | 12431232 | 751.338 | ng/ml |
| 39) Aroclor 1254 (6) | 8.761 | 6632283 | 1319.586 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.078 | 9527122 | 571.021 | ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 14633109 | 706.342 | ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 12431232 | 597.270 | ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 15147239 | 446.163 | ng/ml |

Data Path : K:\DATA\0D14027\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 10:27
 Operator : MJB / KAK
 Sample : A0D0212-06
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:28:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|--------|----------|---------------|
| 45) | Aroclor 1260 (5) | 9.246 | 8636943 | 436.388 ng/ml |
| 46) | Aroclor 1260 (6) | 9.795 | 3059325 | 393.024 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 8.285 | 14633109 | 899.352 ng/ml |
| 49) | Aroclor 1262 (2) | 8.584 | 7981873 | 365.496 ng/ml |
| 50) | Aroclor 1262 (3) | 8.761 | 6632283 | 369.533 ng/ml |
| 51) | Aroclor 1262 (4) | 8.996 | 15147239 | 391.630 ng/ml |
| 52) | Aroclor 1262 (5) | 9.246 | 8636943 | 370.056 ng/ml |
| 53) | Aroclor 1262 (6) | 9.795 | 3059325 | 294.230 ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 1285324 | 132.393 ng/ml |
| 56) | Aroclor 1268 (2) | 9.246 | 8636943 | 200.387 ng/ml |
| 57) | Aroclor 1268 (3) | 9.308 | 3536744 | 99.836 ng/ml |
| 58) | Aroclor 1268 (4) | 9.517 | 860488 | 28.766 ng/ml |
| 59) | Aroclor 1268 (5) | 9.795 | 3059325 | 255.561 ng/ml |
| 60) | Aroclor 1268 (6) | 10.133 | 1677938 | 20.726 ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

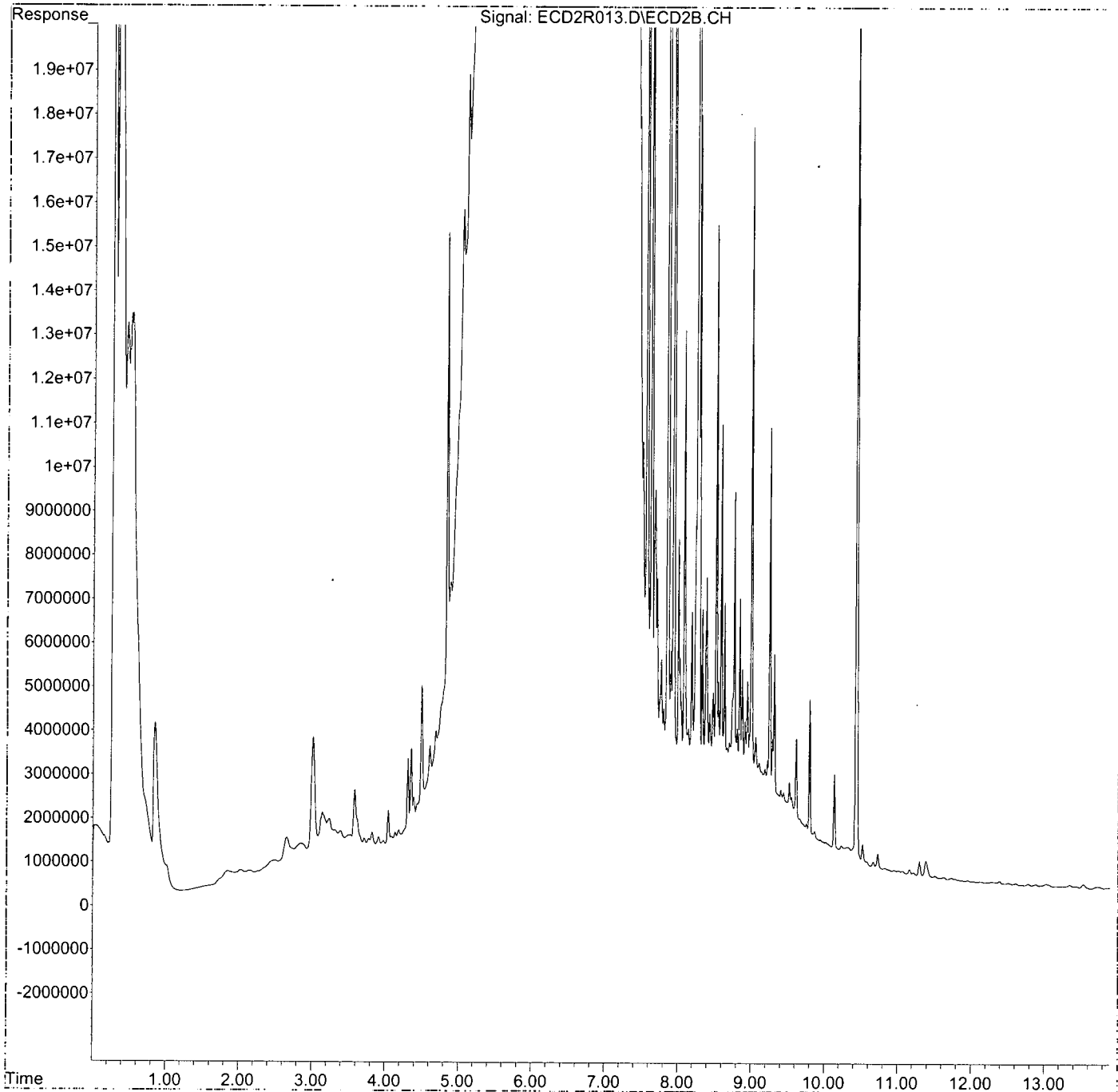
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 10:27
Operator : MJB / KAK
Sample : A0D0212-06
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:28:58 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 11:03
 Operator : MJB / KAK
 Sample : A0D0212-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:29:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 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

Handwritten:
 4/15/20
 1242 P-10
 1259 P-10
 1260 P-10

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.563 | 65139967 | 219.867 | ng/ml |
| 62) S DCBP (S) | 10.431 | 28474824 | 170.541 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 119861 | 12.557 | ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 301600 | 18.056 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 203450 | 26.325 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 459823 | 57.311 | ng/ml |
| 6) Aroclor 1016 (5) | 6.983 | 380475 | 43.813 | ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 322573 | 36.707 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.723 | 30597 | 13.838 | ng/ml |
| 10) Aroclor 1221 (2) | 5.825 | 65694 | 30.343 | ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 1133104 | 156.874 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 1133104 | 185.462 | ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 119861 | 32.078 | ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 301600 | 43.990 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 459823 | 182.055 | ng/ml |
| 17) Aroclor 1232 (5) | 6.983 | 380475 | 125.199 | ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 322573 | 100.675 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 119861 | 17.192 | ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 301600 | 24.168 | ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 203450 | 36.023 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 459823 | 86.506 | ng/ml |
| 24) Aroclor 1242 (5) | 6.983 | 380475 | 62.316 | ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 322573 | 49.491 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 301600 | 42.749 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 459823 | 51.153 | ng/ml |
| 29) Aroclor 1248 (3) | 6.983 | 380475 | 45.542 | ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 322573 | 31.765 | ng/ml |
| 31) Aroclor 1248 (5) | 7.473 | 505300 | 39.110 | ng/ml |
| 32) Aroclor 1248 (6) | 7.624 | 2821426 | 244.838 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.451 | 538102 | 41.726 | ng/ml |
| 35) Aroclor 1254 (2) | 7.624 | 2821426 | 137.992 | ng/ml |
| 36) Aroclor 1254 (3) | 7.928 | 3557261 | 161.024 | ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 493425 | 28.429 | ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 995955 | 60.195 | ng/ml |
| 39) Aroclor 1254 (6) | 8.759 | 480955 | 95.693 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 714989 | 42.854 | ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 1275753 | 61.581 | ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 995955 | 47.852 | ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 1030434 | 30.352 | ng/ml |

Handwritten: 25.79A

Handwritten: 35.620

Handwritten: 36.705MI 60.195

Handwritten: 29.381

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 11:03
 Operator : MJB / KAK
 Sample : A0D0212-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:29:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|--------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 9.244 | 599764 | 30.304 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.794 | 213964 | 27.487 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 8.282 | 1275753 | 78.408 | ng/ml |
| 49) | Aroclor 1262 (2) | 8.582 | 468118 | 21.435 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.759 | 480955 | 26.797 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.994 | 1030434 | 26.642 | ng/ml |
| 52) | Aroclor 1262 (5) | 9.244 | 599764 | 25.697 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.794 | 213964 | 20.578 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.800 | 110752 | 11.408 | ng/ml |
| 56) | Aroclor 1268 (2) | 9.244 | 599764 | 13.915 | ng/ml |
| 57) | Aroclor 1268 (3) | 9.307 | 269188 | 7.599 | ng/ml |
| 58) | Aroclor 1268 (4) | 9.515 | 509643 | 17.037 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.794 | 213964 | 17.874 | ng/ml |
| 60) | Aroclor 1268 (6) | 10.131 | 1153704 | 14.251 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

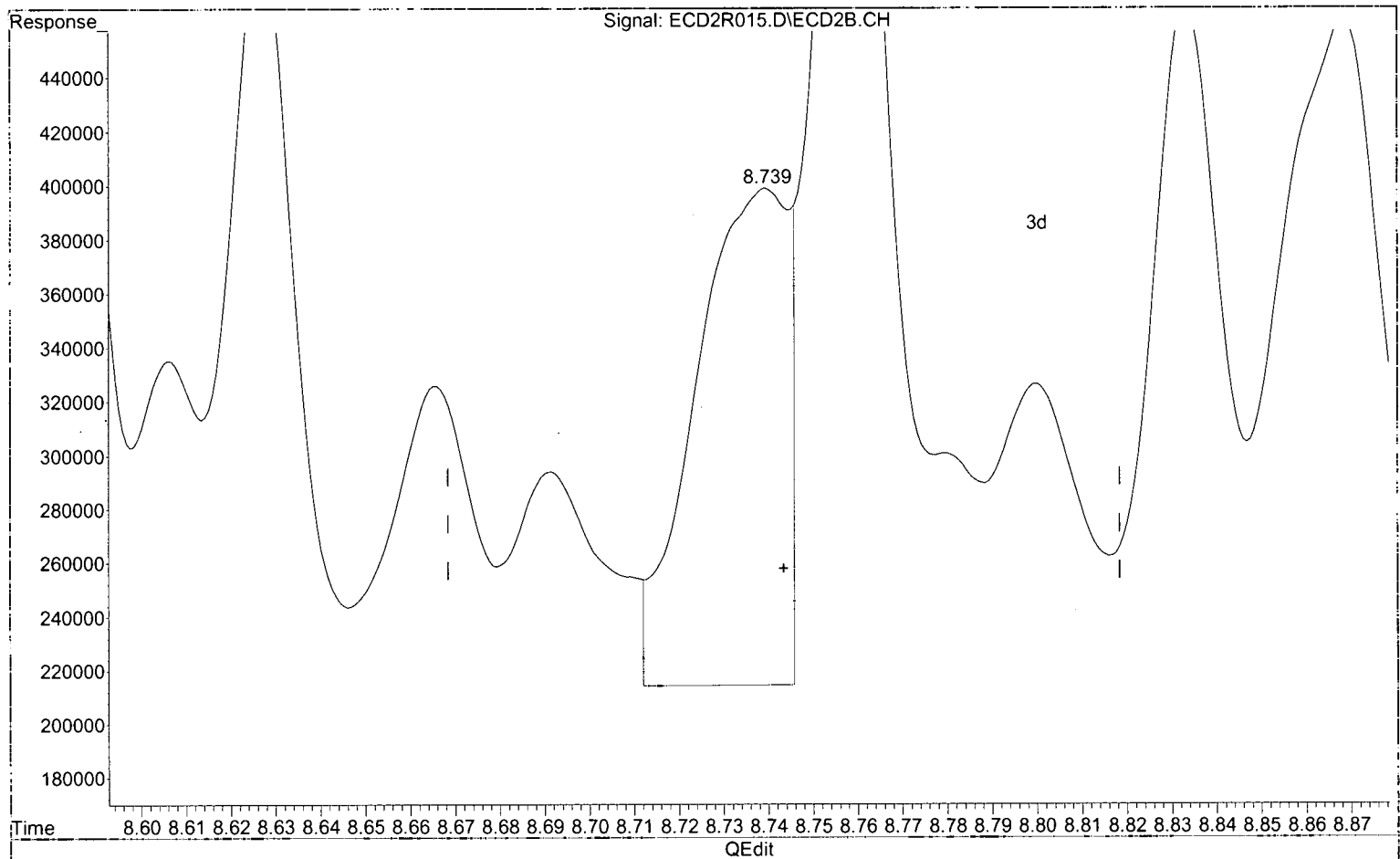
(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0D14027\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 11:03
Operator : MJB / KAK
Sample : A0D0212-07
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:29:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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



(39) Aroclor 1254 (6)

8.739min 36.705 ng/ml(m)

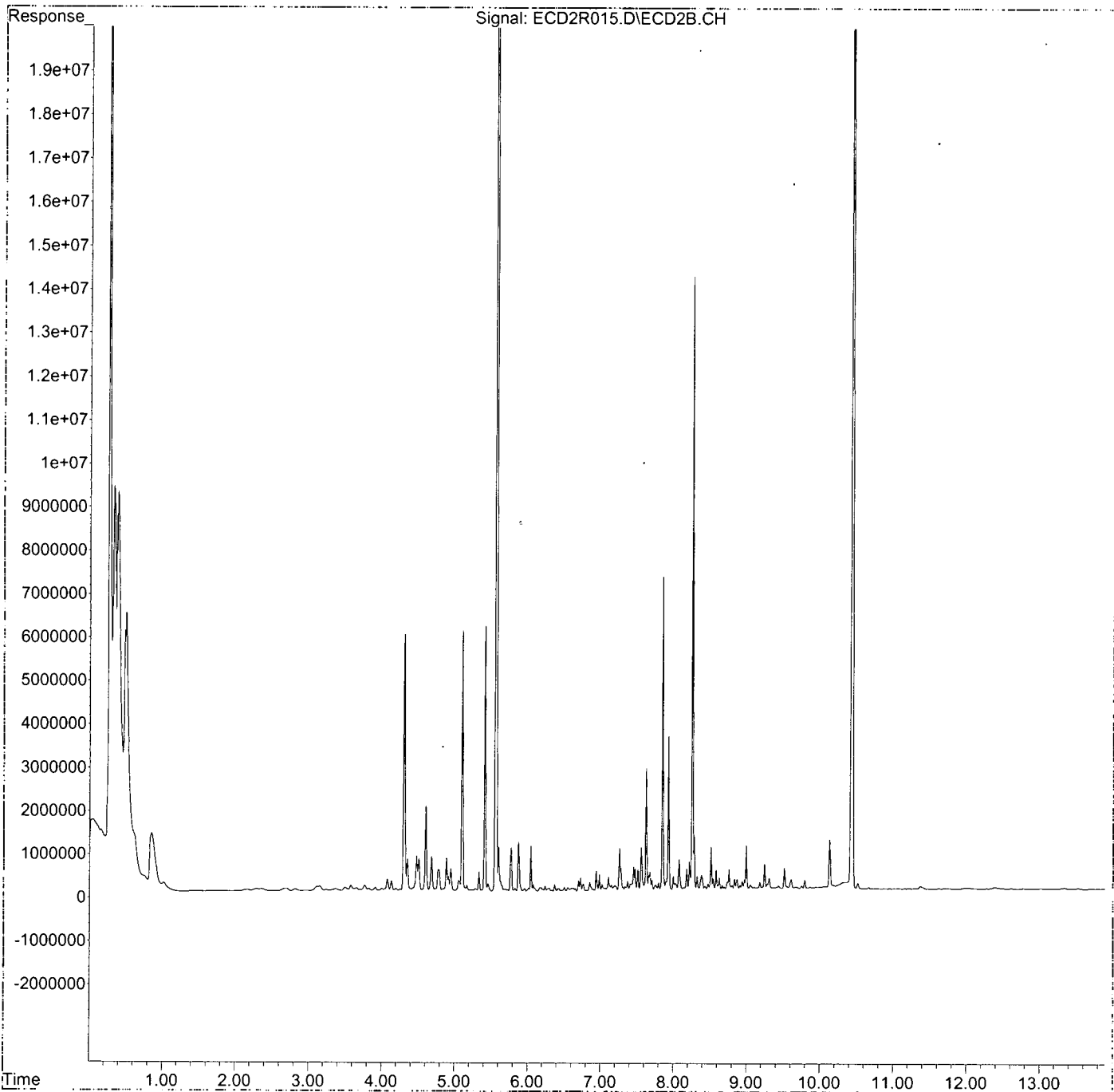
response 184482

Handwritten signature and date: 4/15/20

Data Path : K:\DATA\0D14027\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 11:03
Operator : MJB / KAK
Sample : A0D0212-07
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:29:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 11:38
 Operator : MJB / KAK
 Sample : A0D0212-08
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:29:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/15/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.562 | 38876137 | 131.219 ng/ml |
| 62) S DCBP (S) | 10.430 | 29074839 | 174.135 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.234 | 3300 | 0.346 ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 2349 | 0.141 ng/ml |
| 4) Aroclor 1016 (3) | 6.849 | 1511 | 0.195 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 1880 | 0.234 ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 2128 | 0.245 ng/ml |
| 7) Aroclor 1016 (6) | 7.106 | 1606 | 0.183 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.744 | 15406 | 6.967 ng/ml |
| 10) Aroclor 1221 (2) | 5.826 | 5649 | 2.609 ng/ml |
| 11) Aroclor 1221 (3) | 5.870 | 762658 | 105.588 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.870 | 762658 | 124.829 ng/ml |
| 14) Aroclor 1232 (2) | 6.234 | 3300 | 0.883 ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 2349 | 0.343 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 1880 | 0.744 ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 2128 | 0.700 ng/ml |
| 18) Aroclor 1232 (6) | 7.106 | 1606 | 0.501 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.234 | 3300 | 0.473 ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 2349 | 0.188 ng/ml |
| 22) Aroclor 1242 (3) | 6.849 | 1511 | 0.268 ng/ml |
| 23) Aroclor 1242 (4) | 6.942 | 1877 | 0.353 ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 2128 | 0.349 ng/ml |
| 25) Aroclor 1242 (6) | 7.112 | 1241 | 0.190 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 2349 | 0.333 ng/ml |
| 28) Aroclor 1248 (2) | 6.942 | 1877 | 0.209 ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 2128 | 0.255 ng/ml |
| 30) Aroclor 1248 (4) | 7.112 | 1241 | 0.122 ng/ml |
| 31) Aroclor 1248 (5) | 7.472 | 3421 | 0.265 ng/ml |
| 32) Aroclor 1248 (6) | 7.625 | 16212 | 1.407 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.446 | 3936 | 0.305 ng/ml |
| 35) Aroclor 1254 (2) | 7.625 | 16212 | 0.793 ng/ml |
| 36) Aroclor 1254 (3) | 7.954 | 5612 | 0.254 ng/ml |
| 37) Aroclor 1254 (4) | 8.180 | 9167 | 0.528 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 14379 | 0.869 ng/ml |
| 39) Aroclor 1254 (6) | 8.742 | 20040 | 3.987 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.076 | 8916 | 0.534 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 14843 | 0.716 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 14379 | 0.691 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 27149 | 0.800 ng/ml |

Data Path : K:\DATA\OD14027\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 11:38
 Operator : MJB / KAK
 Sample : A0D0212-08
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:29:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.244 | 39905 | 2.016 ng/ml |
| 46) Aroclor 1260 (6) | 9.799 | 43429 | 5.579 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 14843 | 0.912 ng/ml |
| 49) Aroclor 1262 (2) | 8.581 | 14875 | 0.681 ng/ml |
| 50) Aroclor 1262 (3) | 8.758 | 22819 | 1.271 ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 27149 | 0.702 ng/ml |
| 52) Aroclor 1262 (5) | 9.244 | 39905 | 1.710 ng/ml |
| 53) Aroclor 1262 (6) | 9.799 | 43429 | 4.177 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.804 | 22642 | 2.332 ng/ml |
| 56) Aroclor 1268 (2) | 9.244 | 39905 | 0.926 ng/ml |
| 57) Aroclor 1268 (3) | 9.305 | 40473 | 1.142 ng/ml |
| 58) Aroclor 1268 (4) | 9.514 | 563794 | 18.848 ng/ml |
| 59) Aroclor 1268 (5) | 9.799 | 43429 | 3.628 ng/ml |
| 60) Aroclor 1268 (6) | 10.130 | 1117386 | 13.802 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

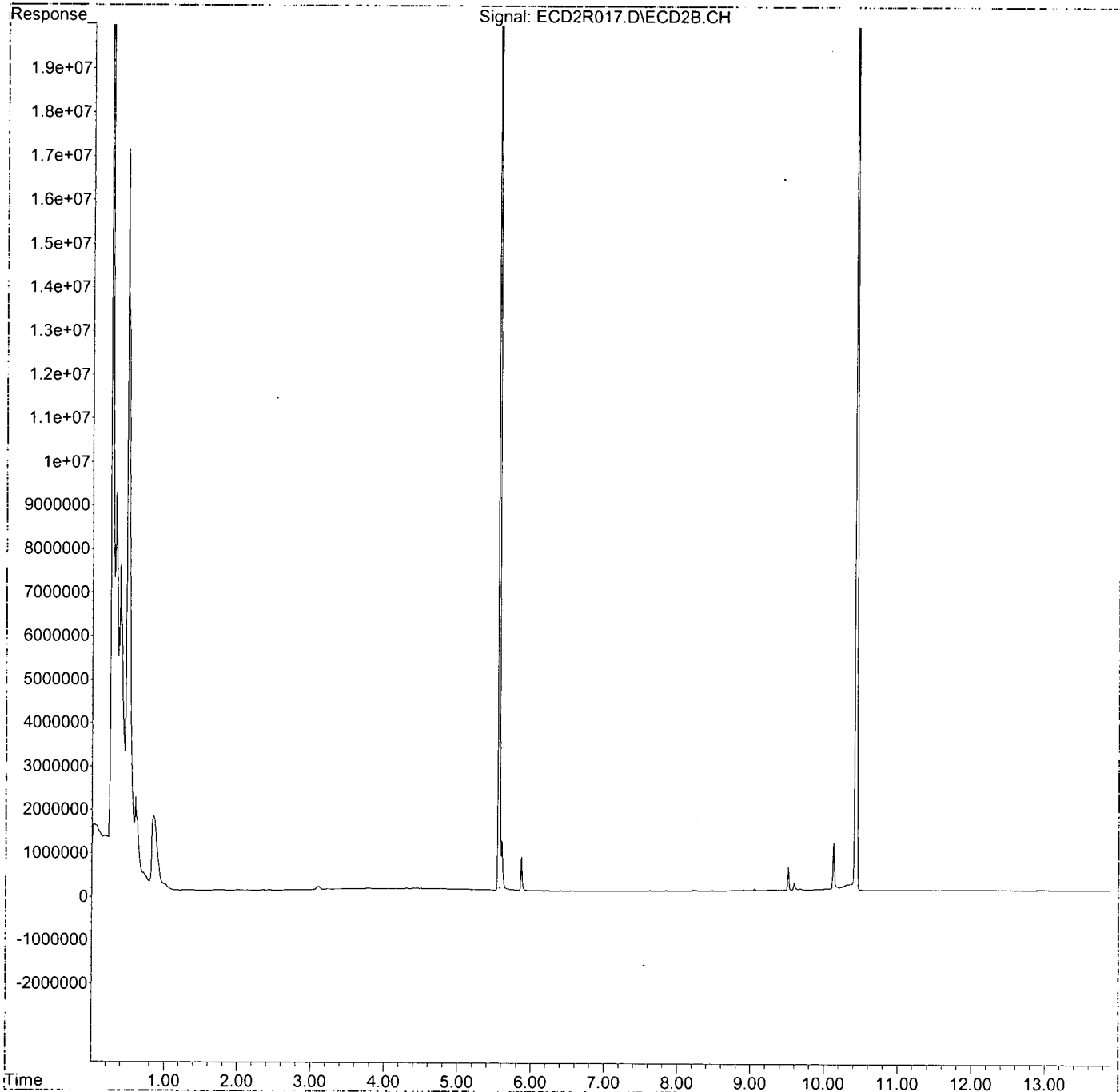
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 11:38
Operator : MJB / KAK
Sample : A0D0212-08
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:29:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 12:13
 Operator : MJB / KAK
 Sample : AOD0212-09
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:30:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/15/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.563 | 43102907 | 145.485 ng/ml |
| 62) S DCBP (S) | 10.430 | 28249360 | 169.191 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.235 | 13572 | 1.422 ng/ml |
| 3) Aroclor 1016 (2) | 6.723 | 19900 | 1.191 ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 18876 | 2.442 ng/ml |
| 5) Aroclor 1016 (4) | 6.936 | 21407 | 2.668 ng/ml |
| 6) Aroclor 1016 (5) | 6.982 | 21168 | 2.438 ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 21093 | 2.400 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.756 | 19419 | 8.782 ng/ml |
| 10) Aroclor 1221 (2) | 5.808 | 11663 | 5.387 ng/ml |
| 11) Aroclor 1221 (3) | 5.870 | 814261 | 112.732 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.870 | 814261 | 133.275 ng/ml |
| 14) Aroclor 1232 (2) | 6.235 | 13572 | 3.632 ng/ml |
| 15) Aroclor 1232 (3) | 6.723 | 19900 | 2.903 ng/ml |
| 16) Aroclor 1232 (4) | 6.936 | 21407 | 8.476 ng/ml |
| 17) Aroclor 1232 (5) | 6.982 | 21168 | 6.965 ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 21093 | 6.583 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.235 | 13572 | 1.947 ng/ml |
| 21) Aroclor 1242 (2) | 6.723 | 19900 | 1.595 ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 18876 | 3.342 ng/ml |
| 23) Aroclor 1242 (4) | 6.936 | 21407 | 4.027 ng/ml |
| 24) Aroclor 1242 (5) | 6.982 | 21168 | 3.467 ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 21093 | 3.236 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.723 | 19900 | 2.821 ng/ml |
| 28) Aroclor 1248 (2) | 6.936 | 21407 | 2.381 ng/ml |
| 29) Aroclor 1248 (3) | 6.982 | 21168 | 2.534 ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 21093 | 2.077 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 22278 | 1.724 ng/ml |
| 32) Aroclor 1248 (6) | 7.623 | 102963 | 8.935 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.449 | 29423 | 2.282 ng/ml |
| 35) Aroclor 1254 (2) | 7.623 | 102963 | 5.036 ng/ml |
| 36) Aroclor 1254 (3) | 7.927 | 105572 | 4.779 ng/ml |
| 37) Aroclor 1254 (4) | 8.178 | 33699 | 1.942 ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 67004 | 4.050 ng/ml |
| 39) Aroclor 1254 (6) | 8.759 | 40805 | 8.119 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.075 | 51750 | 3.102 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 78095 | 3.770 ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 67004 | 3.219 ng/ml |
| 44) Aroclor 1260 (4) | 8.993 | 65683 | 1.935 ng/ml |

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Quantitation Report (Not Reviewed)

Data Path : K:\DATA\OD14027\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 12:13
 Operator : MJB / KAK
 Sample : A0D0212-09
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:30:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.243 | 50070 | 2.530 ng/ml |
| 46) Aroclor 1260 (6) | 9.792 | 33178 | 4.262 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 78095 | 4.800 ng/ml |
| 49) Aroclor 1262 (2) | 8.581 | 46514 | 2.130 ng/ml |
| 50) Aroclor 1262 (3) | 8.759 | 40805 | 2.274 ng/ml |
| 51) Aroclor 1262 (4) | 8.993 | 65683 | 1.698 ng/ml |
| 52) Aroclor 1262 (5) | 9.243 | 50070 | 2.145 ng/ml |
| 53) Aroclor 1262 (6) | 9.792 | 33178 | 3.191 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.800 | 21814 | 2.247 ng/ml |
| 56) Aroclor 1268 (2) | 9.243 | 50070 | 1.162 ng/ml |
| 57) Aroclor 1268 (3) | 9.305 | 30495 | 0.861 ng/ml |
| 58) Aroclor 1268 (4) | 9.513 | 541789 | 18.112 ng/ml |
| 59) Aroclor 1268 (5) | 9.792 | 33178 | 2.772 ng/ml |
| 60) Aroclor 1268 (6) | 10.129 | 1105610 | 13.657 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

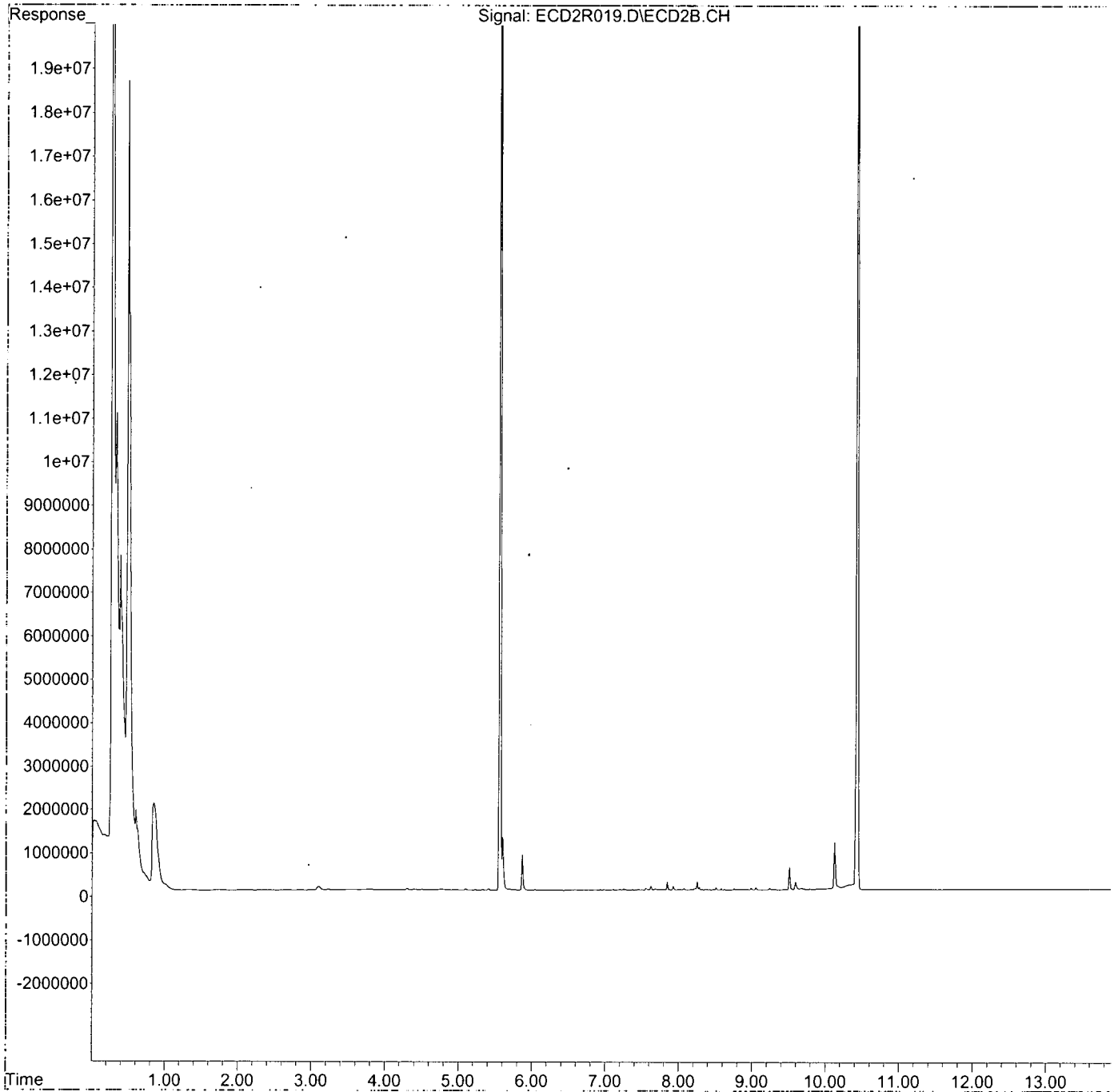
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 12:13
Operator : MJB / KAK
Sample : A0D0212-09
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:30:12 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 12:48
 Operator : MJB / KAK
 Sample : 0D14027-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:30:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/15/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.563 | 81156620 | 273.928 | ng/ml |
| 62) S DCBP (S) | 10.429 | 43243743 | 258.995 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.234 | 4496532 | 471.066 | ng/ml |
| 3) Aroclor 1016 (2) | 6.724 | 8226580 | 492.490 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 3768280 | 487.587 | ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 3670646 | 457.501 | ng/ml |
| 6) Aroclor 1016 (5) | 6.981 | 4213963 | 485.257 | ng/ml |
| 7) Aroclor 1016 (6) | 7.107 | 4280994 | 487.147 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.739 | 318614 | 144.094 | ng/ml |
| 10) Aroclor 1221 (2) | 5.812 | 613750 | 283.481 | ng/ml |
| 11) Aroclor 1221 (3) | 5.899 | 2804539 | 388.279 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.899 | 2804539 | 459.036 | ng/ml |
| 14) Aroclor 1232 (2) | 6.234 | 4496532 | 1203.395 | ng/ml |
| 15) Aroclor 1232 (3) | 6.724 | 8226580 | 1199.880 | ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 3670646 | 1453.298 | ng/ml |
| 17) Aroclor 1232 (5) | 6.981 | 4213963 | 1386.646 | ng/ml |
| 18) Aroclor 1232 (6) | 7.107 | 4280994 | 1336.098 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.234 | 4496532 | 644.933 | ng/ml |
| 21) Aroclor 1242 (2) | 6.724 | 8226580 | 659.219 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 3768280 | 667.216 | ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 3670646 | 690.555 | ng/ml |
| 24) Aroclor 1242 (5) | 6.981 | 4213963 | 690.182 | ng/ml |
| 25) Aroclor 1242 (6) | 7.107 | 4280994 | 656.815 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.724 | 8226580 | 1166.047 | ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 3670646 | 408.344 | ng/ml |
| 29) Aroclor 1248 (3) | 6.981 | 4213963 | 504.404 | ng/ml |
| 30) Aroclor 1248 (4) | 7.107 | 4280994 | 421.572 | ng/ml |
| 31) Aroclor 1248 (5) | 7.471 | 921240 | 71.303 | ng/ml |
| 32) Aroclor 1248 (6) | 7.630 | 3412927 | 296.167 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.448 | 2938052 | 227.824 | ng/ml |
| 35) Aroclor 1254 (2) | 7.630 | 3412927 | 166.921 | ng/ml |
| 36) Aroclor 1254 (3) | 7.939 | 1957518 | 88.609 | ng/ml |
| 37) Aroclor 1254 (4) | 8.179 | 1384208 | 79.751 | ng/ml |
| 38) Aroclor 1254 (5) | 8.513 | 10434540 | 630.659 | ng/ml |
| 39) Aroclor 1254 (6) | 8.729 | 1454822 | 289.457 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.075 | 8370985 | 501.726 | ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 9906977 | 478.211 | ng/ml |
| 43) Aroclor 1260 (3) | 8.513 | 10434540 | 501.337 | ng/ml |
| 44) Aroclor 1260 (4) | 8.993 | 17758448 | 523.077 | ng/ml |

Handwritten checkmark

Handwritten checkmark

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 12:48
 Operator : MJB / KAK
 Sample : 0D14027-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:30:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 9.244 | 10508065 | 530.928 | ng/ml |
| 46) Aroclor 1260 (6) | 9.793 | 3983908 | 511.803 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 9906977 | 608.883 | ng/ml |
| 49) Aroclor 1262 (2) | 8.581 | 7638180 | 349.758 | ng/ml |
| 50) Aroclor 1262 (3) | 8.758 | 7434254 | 414.216 | ng/ml |
| 51) Aroclor 1262 (4) | 8.993 | 17758448 | 459.143 | ng/ml |
| 52) Aroclor 1262 (5) | 9.244 | 10508065 | 450.226 | ng/ml |
| 53) Aroclor 1262 (6) | 9.793 | 3983908 | 383.151 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.799 | 581787 | 59.926 | ng/ml |
| 56) Aroclor 1268 (2) | 9.244 | 10508065 | 243.799 | ng/ml |
| 57) Aroclor 1268 (3) | 9.305 | 3978385 | 112.302 | ng/ml |
| 58) Aroclor 1268 (4) | 9.513 | 344710 | 11.524 | ng/ml |
| 59) Aroclor 1268 (5) | 9.793 | 3983908 | 332.796 | ng/ml |
| 60) Aroclor 1268 (6) | 10.130 | 1077814 | 13.313 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

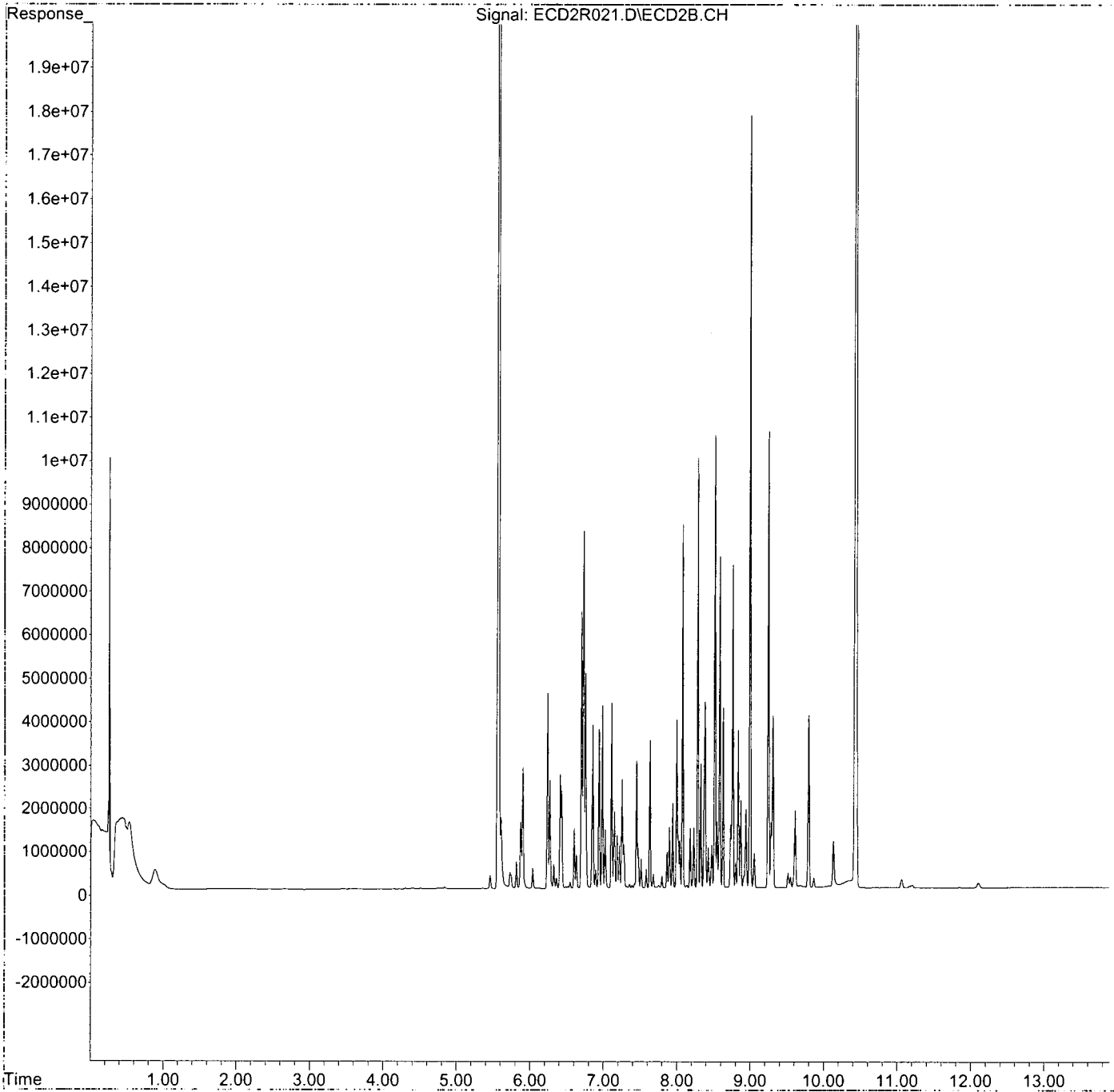
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 12:48
Operator : MJB / KAK
Sample : 0D14027-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:30:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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\0D14027\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 13:06
 Operator : MJB / KAK
 Sample : 0D14027-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:31:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/15/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.563 | 29461301 | 99.441 ng/ml |
| 62) S DCBP (S) | 10.429 | 14814081 | 88.725 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.241 | 6067 | 0.636 ng/ml |
| 3) Aroclor 1016 (2) | 6.731 | 7882 | 0.472 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 7751 | 1.003 ng/ml |
| 5) Aroclor 1016 (4) | 6.938 | 6961 | 0.868 ng/ml |
| 6) Aroclor 1016 (5) | 6.986 | 7133 | 0.821 ng/ml |
| 7) Aroclor 1016 (6) | 7.111 | 7565 | 0.861 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.747 | 20505 | 9.274 ng/ml |
| 10) Aroclor 1221 (2) | 5.807 | 11434 | 5.281 ng/ml |
| 11) Aroclor 1221 (3) | 5.871 | 614518 | 85.078 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.871 | 614518 | 100.582 ng/ml |
| 14) Aroclor 1232 (2) | 6.241 | 6067 | 1.624 ng/ml |
| 15) Aroclor 1232 (3) | 6.731 | 7882 | 1.150 ng/ml |
| 16) Aroclor 1232 (4) | 6.938 | 6961 | 2.756 ng/ml |
| 17) Aroclor 1232 (5) | 6.986 | 7133 | 2.347 ng/ml |
| 18) Aroclor 1232 (6) | 7.111 | 7565 | 2.361 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.241 | 6067 | 0.870 ng/ml |
| 21) Aroclor 1242 (2) | 6.731 | 7882 | 0.632 ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 7751 | 1.372 ng/ml |
| 23) Aroclor 1242 (4) | 6.938 | 6961 | 1.310 ng/ml |
| 24) Aroclor 1242 (5) | 6.986 | 7133 | 1.168 ng/ml |
| 25) Aroclor 1242 (6) | 7.111 | 7565 | 1.161 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.731 | 7882 | 1.117 ng/ml |
| 28) Aroclor 1248 (2) | 6.938 | 6961 | 0.774 ng/ml |
| 29) Aroclor 1248 (3) | 6.986 | 7133 | 0.854 ng/ml |
| 30) Aroclor 1248 (4) | 7.111 | 7565 | 0.745 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 6119 | 0.474 ng/ml |
| 32) Aroclor 1248 (6) | 7.639 | 11111 | 0.964 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.455 | 5827 | 0.452 ng/ml |
| 35) Aroclor 1254 (2) | 7.639 | 11111 | 0.543 ng/ml |
| 36) Aroclor 1254 (3) | 7.940 | 6586 | 0.298 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 5373 | 0.310 ng/ml |
| 38) Aroclor 1254 (5) | 8.518 | 2890 | 0.175 ng/ml |
| 39) Aroclor 1254 (6) | 8.745 | 1859 | 0.370 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.082 | 5780 | 0.346 ng/ml |
| 42) Aroclor 1260 (2) | 8.283 | 4776 | 0.231 ng/ml |
| 43) Aroclor 1260 (3) | 8.518 | 2890 | 0.139 ng/ml |
| 44) Aroclor 1260 (4) | 8.992 | 4034 | 0.119 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D14027\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Apr 2020 13:06
 Operator : MJB / KAK
 Sample : 0D14027-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 15 07:31:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.245 | 10984 | 0.555 ng/ml |
| 46) Aroclor 1260 (6) | 9.795 | 12244 | 1.573 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.283 | 4776 | 0.294 ng/ml |
| 49) Aroclor 1262 (2) | 8.581 | 2889 | 0.132 ng/ml |
| 50) Aroclor 1262 (3) | 8.745 | 1859 | 0.104 ng/ml |
| 51) Aroclor 1262 (4) | 9.000 | 3888 | 0.101 ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 10984 | 0.471 ng/ml |
| 53) Aroclor 1262 (6) | 9.795 | 12244 | 1.178 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.788 | 10917 | 1.124 ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 10984 | 0.255 ng/ml |
| 57) Aroclor 1268 (3) | 9.303 | 9947 | 0.281 ng/ml |
| 58) Aroclor 1268 (4) | 9.514 | 352939 | 11.799 ng/ml |
| 59) Aroclor 1268 (5) | 9.795 | 12244 | 1.023 ng/ml |
| 60) Aroclor 1268 (6) | 10.131 | 651800 | 8.051 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

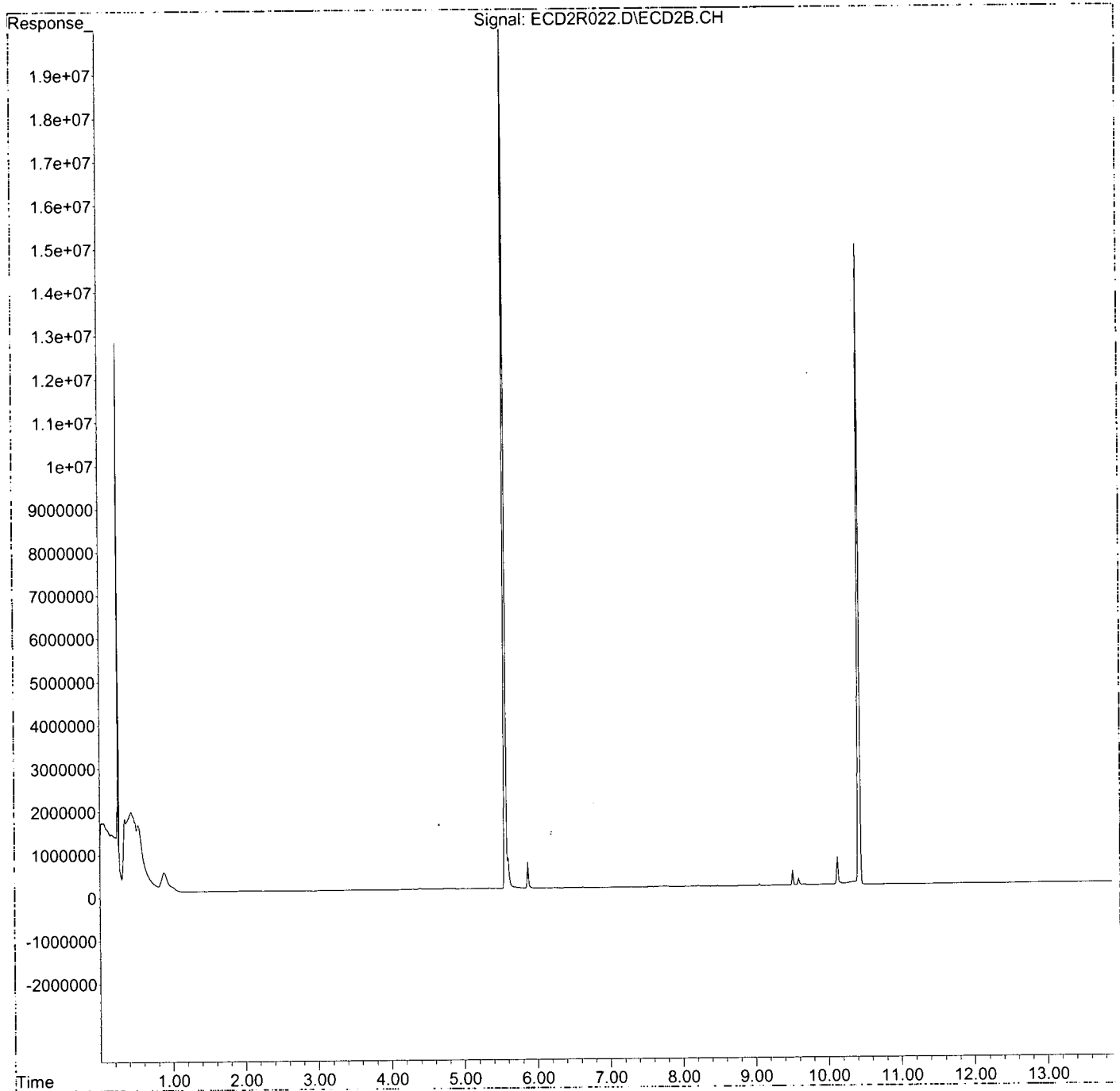
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D14027\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 14 Apr 2020 13:06
Operator : MJB / KAK
Sample : 0D14027-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 15 07:31:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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
Benchsheet & Analysis Sequence Data**

Sequence 0D17014 (A0D0212-06RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D17014

Instrument: DUALECD2F

Date: 04/17/20 06:09

Calibration: A0D1302

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|---------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D17014-CCV1 | Water | QC | QC | | | | A20D197 |
| 2 | 0D17014-CCB1 | Water | QC | QC | | | | A20C404 |
| 3 | A0D0212-06RE1 | Sediment | 8082 PCBs - Low Level (30g/2mL) | Anchor QEA, LLC | 04/22/20 | 0040417 | | |
| 4 | 0D17014-IBL1 | Water | QC | QC | | | | |
| 5 | 0040550-BLK1 | Water | QC | QC | | 0040550 | | |
| 6 | 0040550-BS1 | Water | QC | QC | | 0040550 | | |
| 7 | 0040550-BSD1 | Water | QC | QC | | 0040550 | | |
| 8 | A0D0240-01RE2 | Water | 8082 PCBs | | 04/22/20 | 0040550 | | |
| 9 | A0D0330-01 | Water | 608 PCBs | | 04/28/20 | 0040550 | | |
| 10 | 0D17014-CCV2 | Water | QC | QC | | | | A20D197 |
| 11 | 0D17014-CCB2 | Water | QC | QC | | | | A20C404 |

Data Entered By: *[Signature]* 4/17/20

Comments:

Data Reviewed By: *[Signature]* 4/20/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D17014-CCV1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 440.75 |
| 1016 (2) | 443.94 |
| 1016 (3) | 432.84 |
| 1016 (4) | 440.83 |
| 1016 (5) | 424.72 |
| 1016 (6) | 429.81 |
| Average: | 435.48 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 459.75 |
| 1260 (2) | 440.32 |
| 1260 (3) | 454.08 |
| 1260 (4) | 453.70 |
| 1260 (5) | 481.76 |
| 1260 (6) | 467.98 |
| Average: | 459.60 |

0040550-BS1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 361.22 |
| 1016 (2) | 378.62 |
| 1016 (3) | 357.83 |
| 1016 (4) | 375.63 |
| 1016 (5) | 353.17 |
| 1016 (6) | 342.92 |
| Average: | 361.57 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 379.03 |
| 1260 (2) | 394.01 |
| 1260 (3) | 375.64 |
| 1260 (4) | 387.48 |
| 1260 (5) | 386.22 |
| 1260 (6) | 378.74 |
| Average: | 383.52 |

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.

0040550-BSD1

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 315.55 |
| 1016 (2) | 362.53 |
| 1016 (3) | 331.44 |
| 1016 (4) | 350.18 |
| 1016 (5) | 326.49 |
| 1016 (6) | 330.81 |
| Average: | 336.17 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 370.57 |
| 1260 (2) | 394.72 |
| 1260 (3) | 363.66 |
| 1260 (4) | 378.77 |
| 1260 (5) | 386.47 |
| 1260 (6) | 390.06 |
| Average: | 380.71 |

0D17014-CCV2

Aroclor 1016

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1016 (1) | 440.33 |
| 1016 (2) | 456.74 |
| 1016 (3) | 437.16 |
| 1016 (4) | 435.04 |
| 1016 (5) | 437.86 |
| 1016 (6) | 433.47 |
| Average: | 440.10 |

Aroclor 1260

| <u>Peak</u> | <u>Initial Res</u> |
|-----------------|--------------------|
| 1260 (1) | 436.83 |
| 1260 (2) | 441.43 |
| 1260 (3) | 463.94 |
| 1260 (4) | 464.03 |
| 1260 (5) | 444.39 |
| 1260 (6) | 434.66 |
| Average: | 447.55 |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:23 am
 Operator : MJB / KAK
 Sample : 0D17014-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

4/17/20

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.746 | 17777667 | 233.459 | ng/ml |
| 62) S DCBP (S) | 9.487 | 37087893 | 243.856 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.662 | 2098182 | 440.755 | ng/ml |
| 3) Aroclor 1016 (2) | 6.074 | 4568487 | 443.940 | ng/ml |
| 4) Aroclor 1016 (3) | 6.156 | 2310793 | 432.836 | ng/ml |
| 5) Aroclor 1016 (4) | 6.313 | 2126682 | 440.828 | ng/ml |
| 6) Aroclor 1016 (5) | 6.535 | 2404474 | 424.722 | ng/ml |
| 7) Aroclor 1016 (6) | 6.661 | 1750933 | 429.808 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.102 | 505757 | 348.750 | ng/ml |
| 10) Aroclor 1221 (2) | 5.219 | 230439 | 235.732 | ng/ml |
| 11) Aroclor 1221 (3) | 5.300 | 976880 | 308.288 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.300 | 976880 | 376.486 | ng/ml |
| 14) Aroclor 1232 (2) | 6.074 | 4568487 | 1077.431 | ng/ml |
| 15) Aroclor 1232 (3) | 6.156 | 2310793 | 1039.368 | ng/ml |
| 16) Aroclor 1232 (4) | 6.313 | 2126682 | 1292.000 | ng/ml |
| 17) Aroclor 1232 (5) | 6.535 | 2404474 | 1115.457 | ng/ml |
| 18) Aroclor 1232 (6) | 6.661 | 1750933 | 999.182 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.662 | 2098182 | 576.713 | ng/ml |
| 21) Aroclor 1242 (2) | 6.074 | 4568487 | 574.748 | ng/ml |
| 22) Aroclor 1242 (3) | 6.156 | 2310793 | 577.672 | ng/ml |
| 23) Aroclor 1242 (4) | 6.313 | 2126682 | 640.343 | ng/ml |
| 24) Aroclor 1242 (5) | 6.535 | 2404474 | 556.147 | ng/ml |
| 25) Aroclor 1242 (6) | 6.661 | 1750933 | 485.825 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.074 | 4568487 | 933.050 | ng/ml |
| 28) Aroclor 1248 (2) | 6.313 | 2126682 | 354.898 | ng/ml |
| 29) Aroclor 1248 (3) | 6.535 | 2404474 | 357.569 | ng/ml |
| 30) Aroclor 1248 (4) | 6.829 | 481681 | 58.588 | ng/ml |
| 31) Aroclor 1248 (5) | 6.861 | 1616403 | 205.112 | ng/ml |
| 32) Aroclor 1248 (6) | 7.349 | 3810508 | 837.318 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.861 | 1616403 | 186.029 | ng/ml |
| 35) Aroclor 1254 (2) | 6.973 | 1807513 | 160.870 | ng/ml |
| 36) Aroclor 1254 (3) | 7.349 | 3810508 | 226.665 | ng/ml |
| 37) Aroclor 1254 (4) | 7.510 | 519449 | 48.646 | ng/ml |
| 38) Aroclor 1254 (5) | 7.888 | 5058631 | 430.541 | ng/ml |
| 39) Aroclor 1254 (6) | 8.179 | 575794 | 152.725 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.461 | 5160092 | 459.749 | ng/ml |
| 42) Aroclor 1260 (2) | 7.596 | 6225239 | 440.316 | ng/ml |
| 43) Aroclor 1260 (3) | 8.150 | 4814162 | 454.080 | ng/ml |
| 44) Aroclor 1260 (4) | 8.320 | 11839234 | 453.699 | ng/ml |

Data Path : K:\DATA\0D17014\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:23 am
 Operator : MJB / KAK
 Sample : 0D17014-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.618 | 8157361 | 481.762 ng/ml |
| 46) Aroclor 1260 (6) | 9.006 | 3279219 | 467.979 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.596 | 6225239 | 563.416 ng/ml |
| 49) Aroclor 1262 (2) | 7.919 | 4921063 | 324.128 ng/ml |
| 50) Aroclor 1262 (3) | 8.150 | 4814162 | 365.545 ng/ml |
| 51) Aroclor 1262 (4) | 8.320 | 11839234 | 402.408 ng/ml |
| 52) Aroclor 1262 (5) | 8.618 | 8157361 | 450.046 ng/ml |
| 53) Aroclor 1262 (6) | 9.006 | 3279219 | 339.530 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.150 | 4814162 | 678.093 ng/ml |
| 56) Aroclor 1268 (2) | 8.567 | 2715400 | 77.982 ng/ml |
| 57) Aroclor 1268 (3) | 8.618 | 8157361 | 281.825 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 334896 | 13.052 ng/ml |
| 59) Aroclor 1268 (5) | 9.006 | 3279219 | 301.688 ng/ml |
| 60) Aroclor 1268 (6) | 9.257 | 808645 | 10.322 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

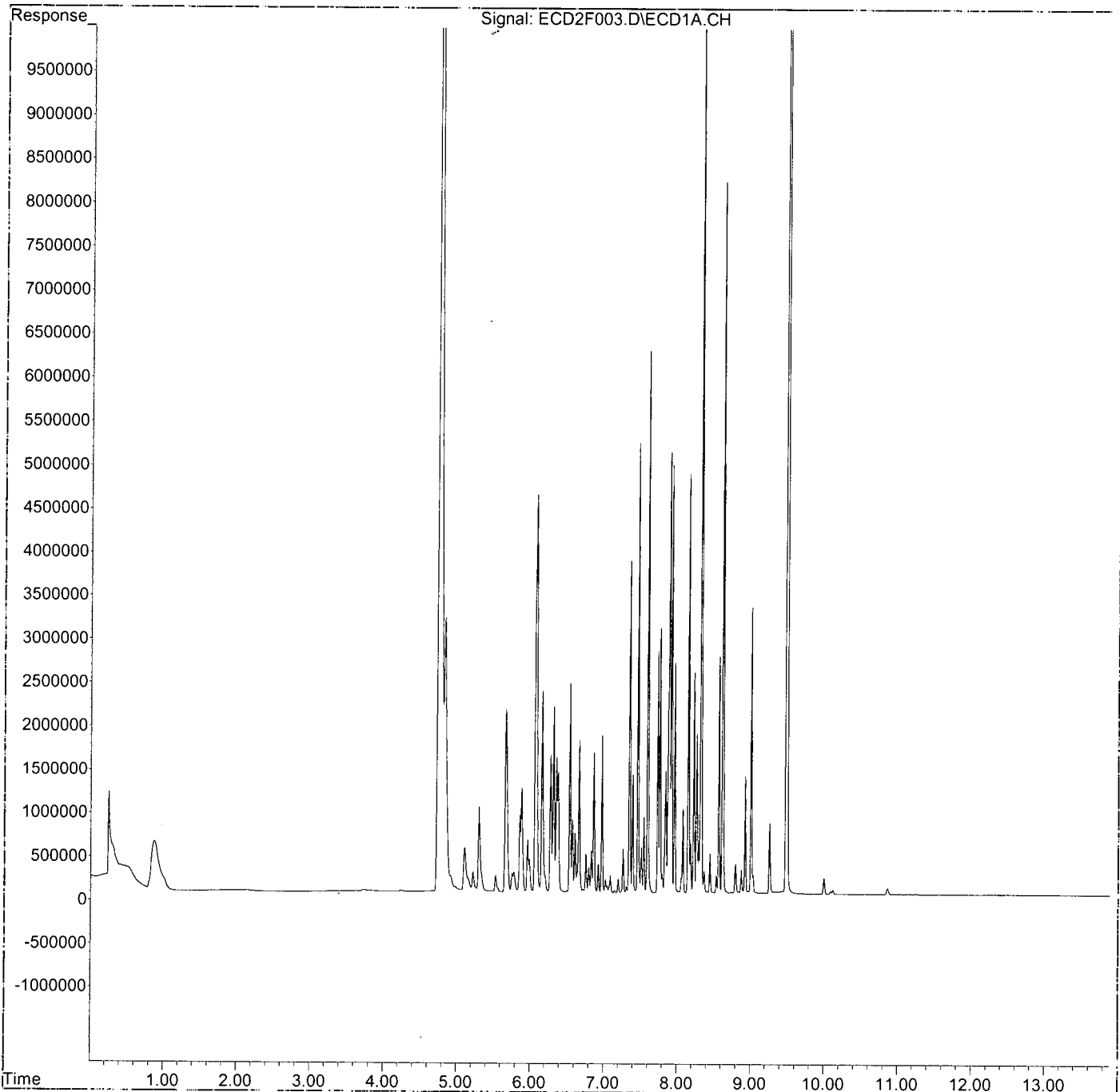
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:23 am
Operator : MJB / KAK
Sample : 0D17014-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:02:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D17014\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:41 am
 Operator : MJB / KAK
 Sample : 0D17014-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/17/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.745 | 6367586 | 83.620 ng/ml |
| 62) S DCBP (S) | 9.485 | 12984613 | 85.375 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.665 | 4365 | 0.917 ng/ml |
| 3) Aroclor 1016 (2) | 6.091 | 8274 | 0.804 ng/ml |
| 4) Aroclor 1016 (3) | 6.145 | 2781 | 0.521 ng/ml |
| 5) Aroclor 1016 (4) | 6.321 | 3199 | 0.663 ng/ml |
| 6) Aroclor 1016 (5) | 6.544 | 2652 | 0.468 ng/ml |
| 7) Aroclor 1016 (6) | 6.661 | 2939 | 0.721 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.105 | 147050 | 101.400 ng/ml |
| 10) Aroclor 1221 (2) | 5.278f | 13953 | 14.274 ng/ml |
| 11) Aroclor 1221 (3) | 5.302 | 12820 | 4.046 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.302 | 12820 | 4.941 ng/ml |
| 14) Aroclor 1232 (2) | 6.091 | 8274 | 1.951 ng/ml |
| 15) Aroclor 1232 (3) | 6.145 | 2781 | 1.251 ng/ml |
| 16) Aroclor 1232 (4) | 6.321 | 3199 | 1.944 ng/ml |
| 17) Aroclor 1232 (5) | 6.544 | 2652 | 1.230 ng/ml |
| 18) Aroclor 1232 (6) | 6.661 | 2939 | 1.677 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.665 | 4365 | 1.200 ng/ml |
| 21) Aroclor 1242 (2) | 6.091 | 8274 | 1.041 ng/ml |
| 22) Aroclor 1242 (3) | 6.145 | 2781 | 0.695 ng/ml |
| 23) Aroclor 1242 (4) | 6.321 | 3199 | 0.963 ng/ml |
| 24) Aroclor 1242 (5) | 6.544 | 2652 | 0.613 ng/ml |
| 25) Aroclor 1242 (6) | 6.661 | 2939 | 0.816 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.091 | 8274 | 1.690 ng/ml |
| 28) Aroclor 1248 (2) | 6.321 | 3199 | 0.534 ng/ml |
| 29) Aroclor 1248 (3) | 6.544 | 2652 | 0.394 ng/ml |
| 30) Aroclor 1248 (4) | 6.831 | 1127 | 0.137 ng/ml |
| 31) Aroclor 1248 (5) | 6.862 | 1096 | 0.139 ng/ml |
| 32) Aroclor 1248 (6) | 7.348 | 2450 | 0.538 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.862 | 1096 | 0.126 ng/ml |
| 35) Aroclor 1254 (2) | 6.976 | 925 | 0.082 ng/ml |
| 36) Aroclor 1254 (3) | 7.348 | 2450 | 0.146 ng/ml |
| 37) Aroclor 1254 (4) | 7.508 | 1577 | 0.148 ng/ml |
| 38) Aroclor 1254 (5) | 7.896 | 14269 | 1.214 ng/ml |
| 39) Aroclor 1254 (6) | 8.180 | 2070 | 0.549 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.464 | 3280 | 0.292 ng/ml |
| 42) Aroclor 1260 (2) | 7.572 | 695 | 0.049 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 4462 | 0.421 ng/ml |
| 44) Aroclor 1260 (4) | 8.313 | 22563 | 0.865 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:41 am
 Operator : MJB / KAK
 Sample : 0D17014-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:29 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.620 | 6423 | 0.379 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 6334 | 0.904 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.572 | 695 | 0.063 ng/ml |
| 49) Aroclor 1262 (2) | 7.896 | 14269 | 0.940 ng/ml |
| 50) Aroclor 1262 (3) | 8.148 | 4462 | 0.339 ng/ml |
| 51) Aroclor 1262 (4) | 8.313 | 22563 | 0.767 ng/ml |
| 52) Aroclor 1262 (5) | 8.620 | 6423 | 0.354 ng/ml |
| 53) Aroclor 1262 (6) | 9.004 | 6334 | 0.656 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.148 | 4462 | 0.628 ng/ml |
| 56) Aroclor 1268 (2) | 8.568 | 5273 | 0.151 ng/ml |
| 57) Aroclor 1268 (3) | 8.620 | 6423 | 0.222 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 263050 | 10.252 ng/ml |
| 59) Aroclor 1268 (5) | 9.004 | 6334 | 0.583 ng/ml |
| 60) Aroclor 1268 (6) | 9.257 | 546316 | 6.974 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

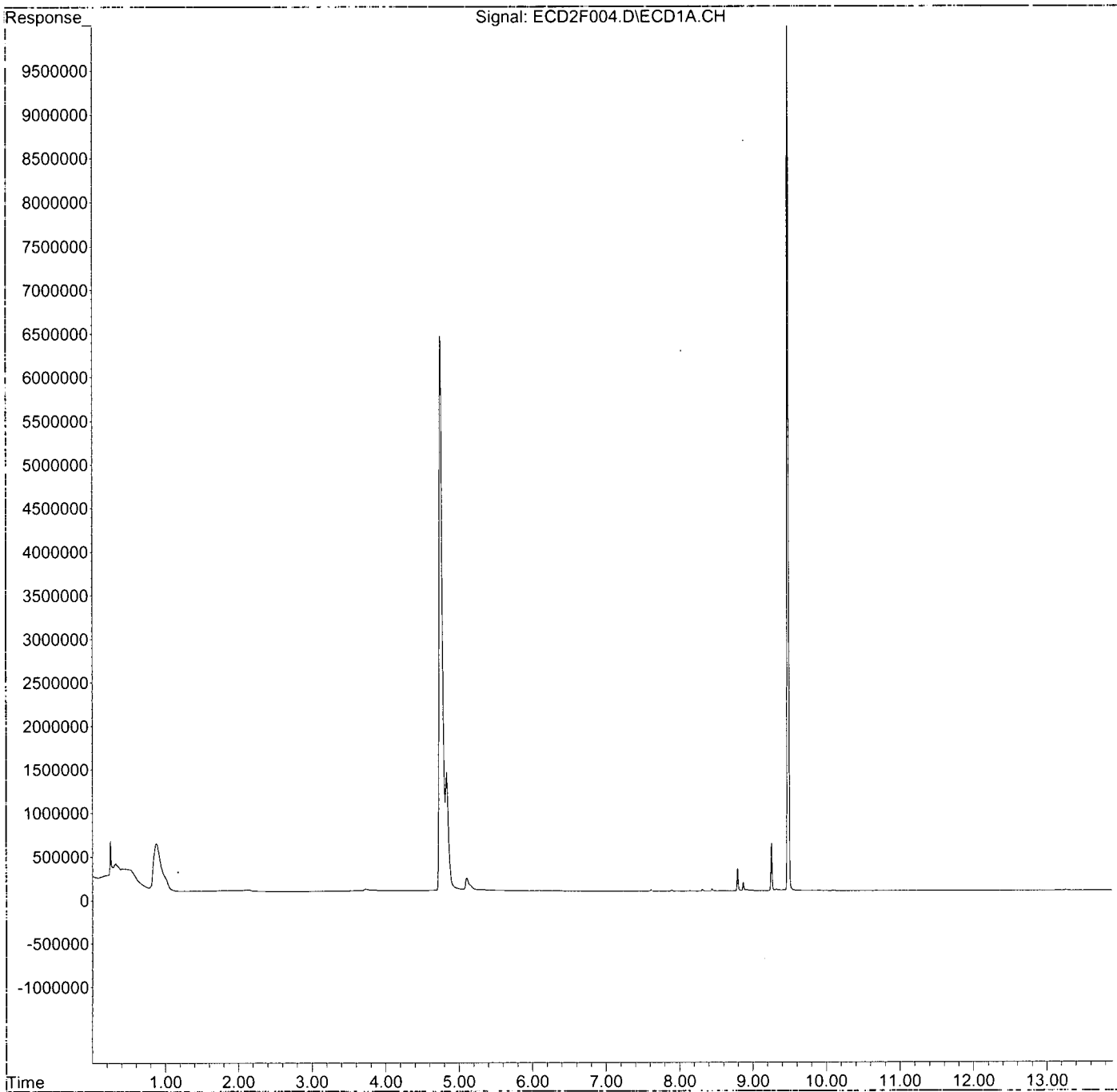
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:41 am
Operator : MJB / KAK
Sample : 0D17014-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:02:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D17014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:59 am
 Operator : MJB / KAK
 Sample : A0D0212-06RE1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:23:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/17/20

Handwritten: 1200

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) | 4.737 | 17930184 | 235.462 | ng/ml |
| 62) S DCBP (S) | 9.487 | 19999458 | 131.498 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.656 | 97858 | 20.556 | ng/ml |
| 3) Aroclor 1016 (2) | 6.067 | 170295 | 16.548 | ng/ml |
| 4) Aroclor 1016 (3) | 6.151 | 86409 | 16.185 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 494110 | 102.421 | ng/ml |
| 6) Aroclor 1016 (5) | 6.539 | 820596 | 144.949 | ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 266684 | 65.464 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.093 | 506516 | 349.274 | ng/mlm |
| 10) Aroclor 1221 (2) | 5.203 | 212758 | 217.645 | ng/mlm |
| 11) Aroclor 1221 (3) | 5.288 | 506466 | 159.833 | ng/mlm |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.293 | 437426 | 168.582 | ng/mlm |
| 14) Aroclor 1232 (2) | 6.067 | 170295 | 40.162 | ng/ml |
| 15) Aroclor 1232 (3) | 6.151 | 86409 | 38.866 | ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 494110 | 300.181 | ng/ml |
| 17) Aroclor 1232 (5) | 6.539 | 820596 | 380.682 | ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 266684 | 152.185 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.656 | 97858 | 26.897 | ng/ml |
| 21) Aroclor 1242 (2) | 6.067 | 170295 | 21.424 | ng/ml |
| 22) Aroclor 1242 (3) | 6.151 | 86409 | 21.601 | ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 494110 | 148.776 | ng/ml |
| 24) Aroclor 1242 (5) | 6.539 | 820596 | 189.801 | ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 266684 | 73.996 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.067 | 170295 | 34.780 | ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 494110 | 82.456 | ng/ml |
| 29) Aroclor 1248 (3) | 6.539 | 820596 | 122.031 | ng/ml |
| 30) Aroclor 1248 (4) | 6.830 | 716274 | 87.122 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 2122212 | 269.296 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 4428510 | 973.117 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 2122212 | 244.241 | ng/ml |
| 35) Aroclor 1254 (2) | 6.994 | 38591179 | 3434.633 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 4428510 | 263.427 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 1396738 | 130.803 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 5280166 | 449.395 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 612647 | 162.500 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 59711980 | 532.016 | ng/ml |
| 42) Aroclor 1260 (2) | 7.595 | 88916210 | 628.911 | ng/ml |
| 43) Aroclor 1260 (3) | 8.149 | 3405255 | 321.189 | ng/ml |
| 44) Aroclor 1260 (4) | 8.321 | 9609471 | 368.251 | ng/ml |

Handwritten: R-02

Handwritten: R-02

Handwritten: R-02

Handwritten: R-02 ml 7/4/20

Handwritten: 345.742

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:59 am
 Operator : MJB / KAK
 Sample : A0D0212-06RE1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:23:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.618 | 5984856 | 353.457 ng/ml |
| 46) Aroclor 1260 (6) | 9.006 | 2382931 | 340.069 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.595 | 8891621 | 804.738 ng/ml |
| 49) Aroclor 1262 (2) | 7.918 | 4613122 | 303.845 ng/ml |
| 50) Aroclor 1262 (3) | 8.149 | 3405255 | 258.565 ng/ml |
| 51) Aroclor 1262 (4) | 8.321 | 9609471 | 326.620 ng/ml |
| 52) Aroclor 1262 (5) | 8.618 | 5984856 | 330.188 ng/ml |
| 53) Aroclor 1262 (6) | 9.006 | 2382931 | 246.728 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.149 | 3405255 | 479.643 ng/ml |
| 56) Aroclor 1268 (2) | 8.567 | 1951467 | 56.043 ng/ml |
| 57) Aroclor 1268 (3) | 8.618 | 5984856 | 206.768 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 516301 | 20.123 ng/ml |
| 59) Aroclor 1268 (5) | 9.006 | 2382931 | 219.230 ng/ml |
| 60) Aroclor 1268 (6) | 9.258 | 1381950 | 17.640 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

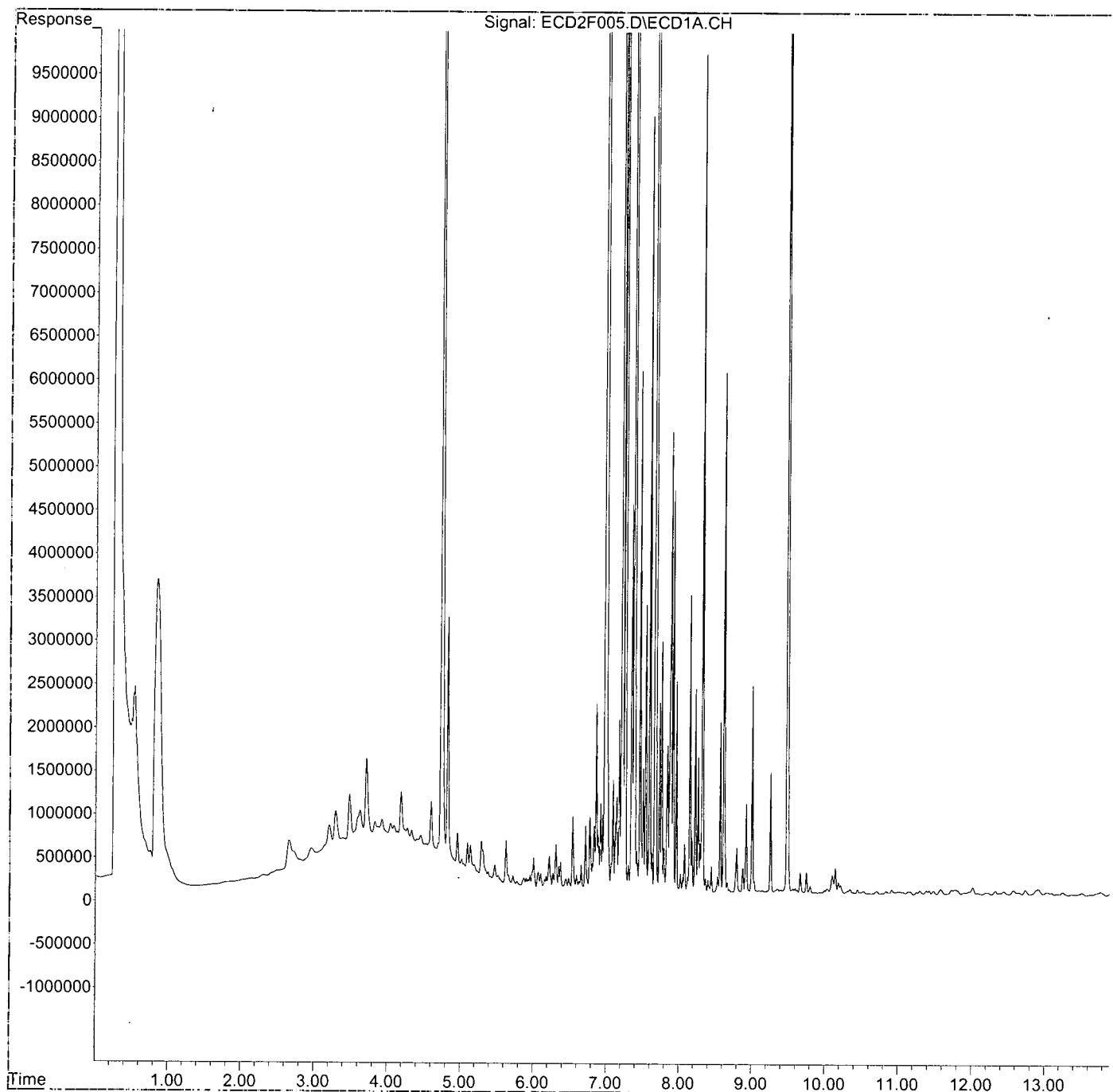
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:23:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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

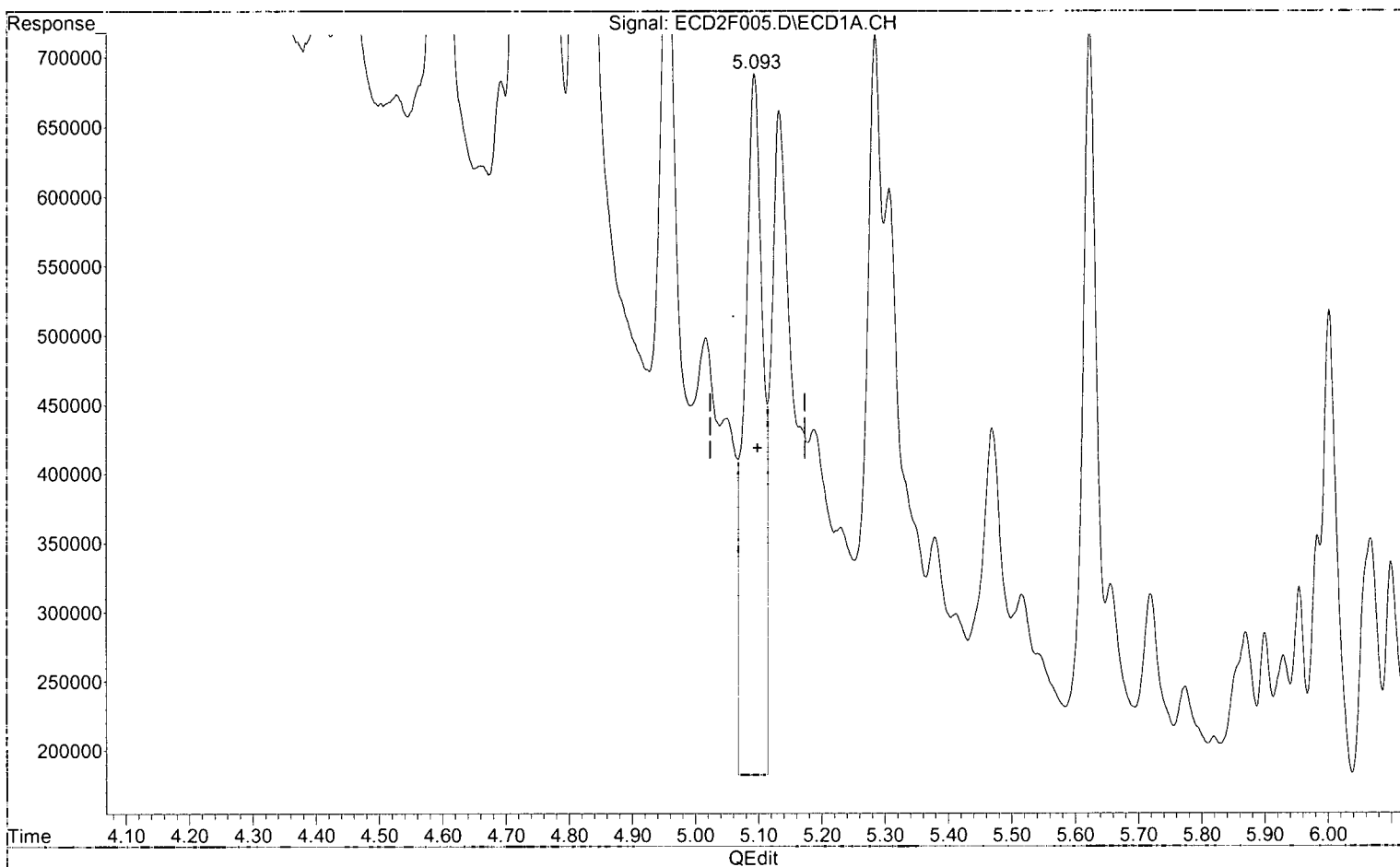


Quantitation Report (Qedit)

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am .
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:23:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



(9) Aroclor 1221 (1)

5.093min 349.274 ng/ml/m

response 506516

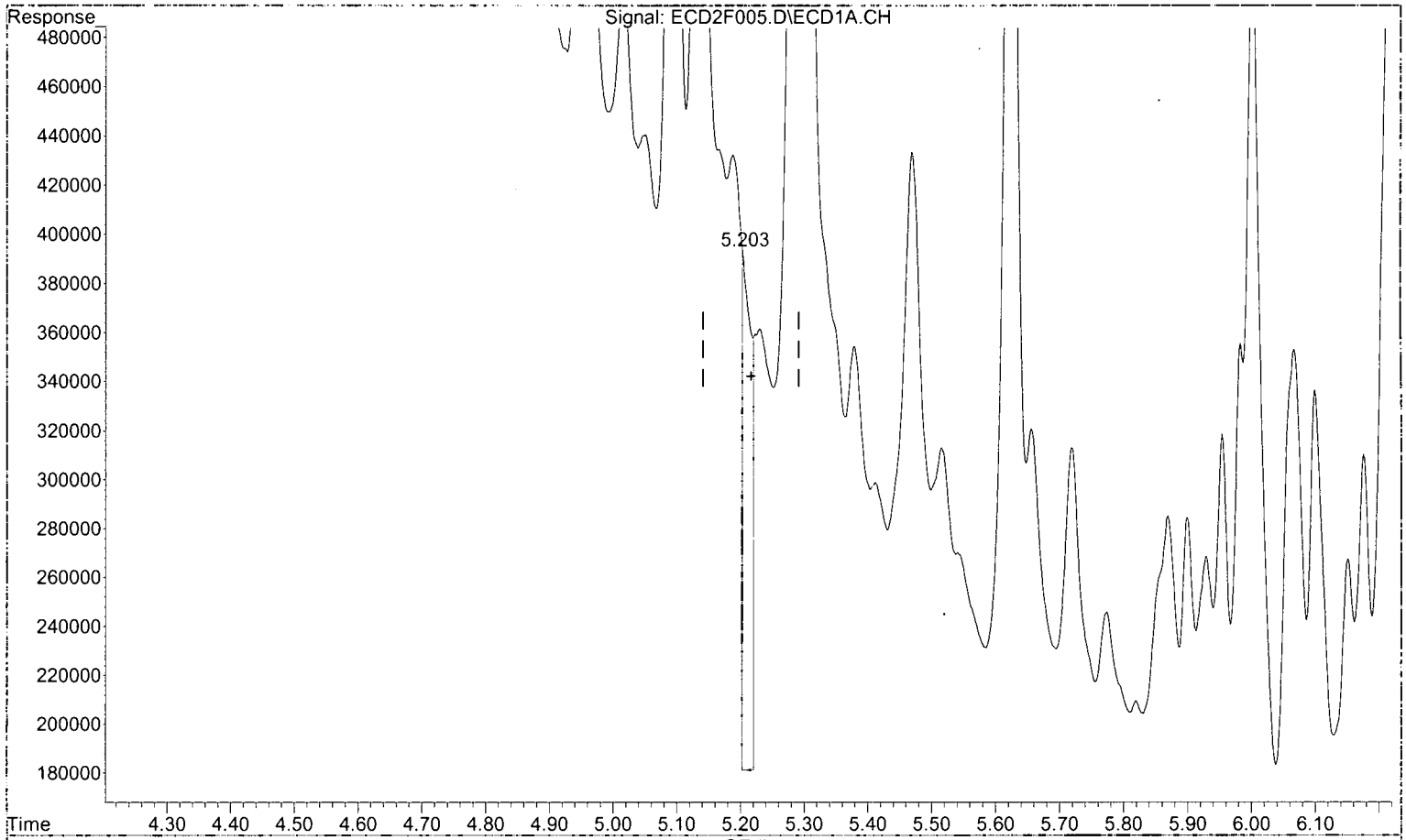
Handwritten signature and date:
4/17/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:23:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



(10) Aroclor 1221 (2)
5.203min 217.645 ng/ml/m
response 212758

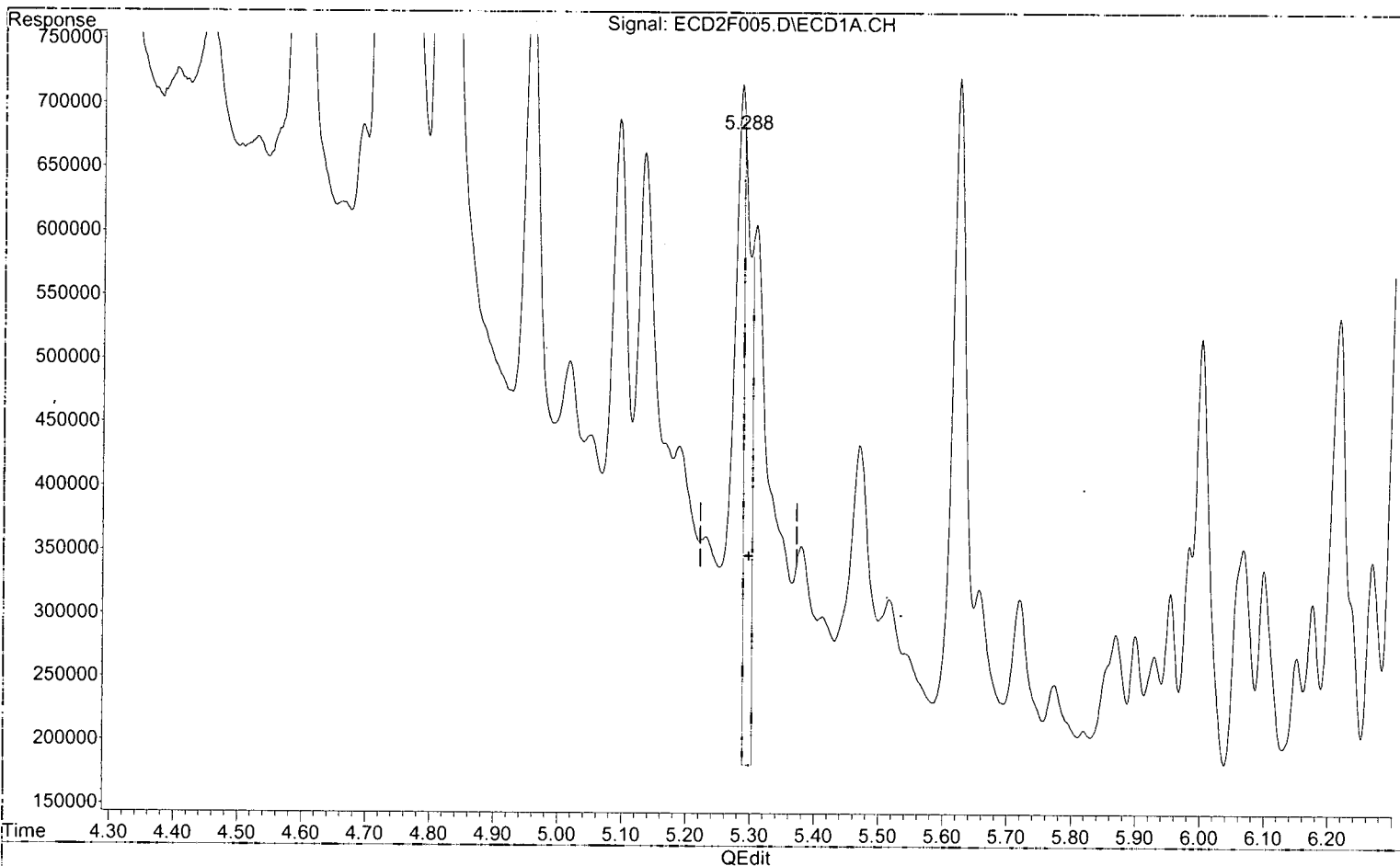
Handwritten signature and date: 4/17/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:23:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



(11) Aroclor 1221 (3)

5.288min 159.833 ng/ml/m

response 506466

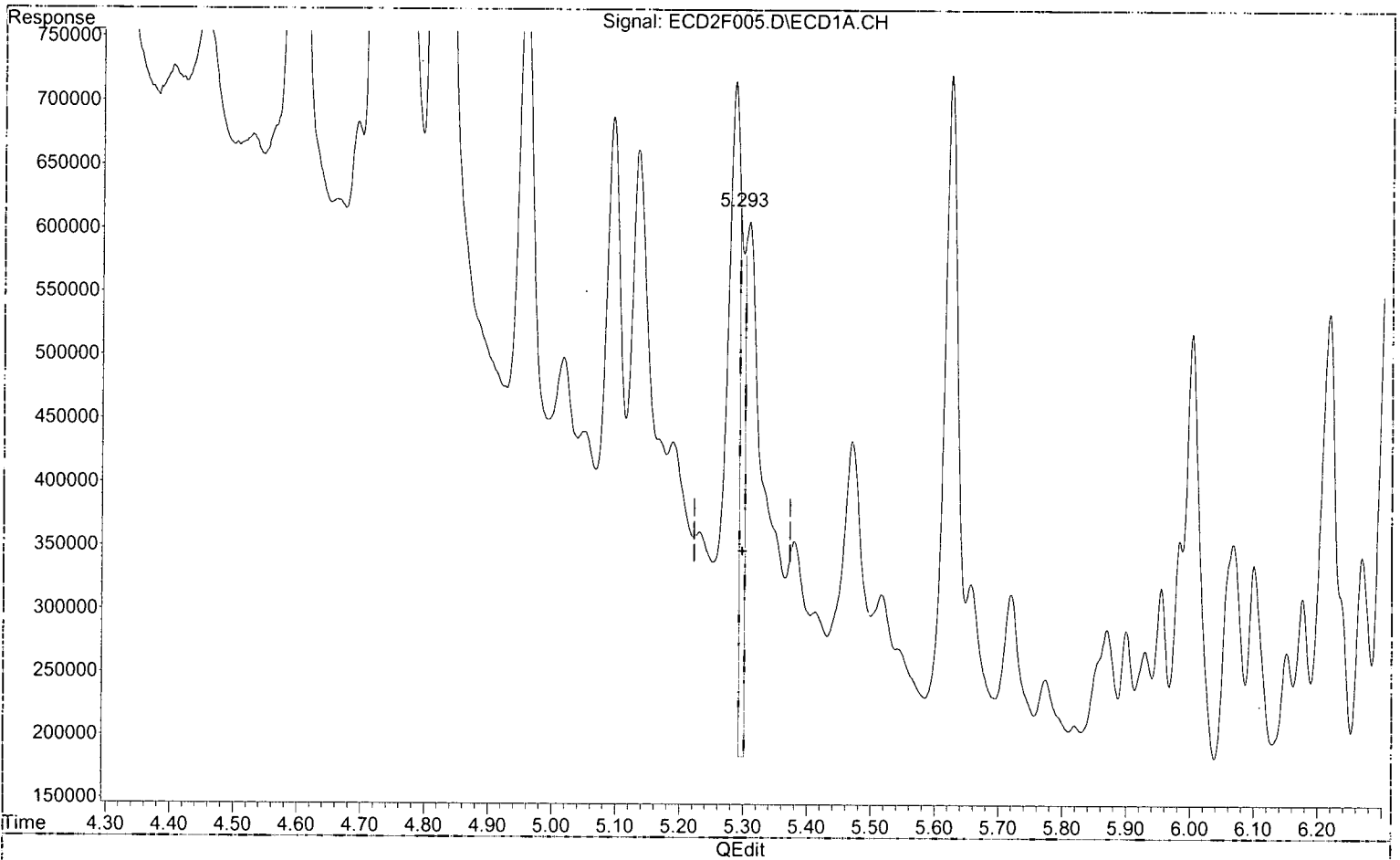
Handwritten signature and date: 4/17/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:23:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



(13) Aroclor 1232 (1)

5.293min 168.582 ng/ml

response 437426

Handwritten signature and date:
4/17/20

Data Path : K:\DATA\0D17014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:59 am
 Operator : MJB / KAK
 Sample : A0D0212-06RE1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

MI
 4/17/20

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.737 | 17930184 | 235.462 | ng/ml |
| 62) S DCBP (S) | 9.487 | 19999458 | 131.498 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.656 | 97858 | 20.556 | ng/ml |
| 3) Aroclor 1016 (2) | 6.067 | 170295 | 16.548 | ng/ml |
| 4) Aroclor 1016 (3) | 6.151 | 86409 | 16.185 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 494110 | 102.421 | ng/ml |
| 6) Aroclor 1016 (5) | 6.539 | 820596 | 144.949 | ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 266684 | 65.464 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.094 | 288278 | 198.785 | ng/ml |
| 10) Aroclor 1221 (2) | 5.230 | 15362 | 15.715 | ng/ml |
| 11) Aroclor 1221 (3) | 5.307 | 286654 | 90.464 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.307 | 286654 | 110.476 | ng/ml |
| 14) Aroclor 1232 (2) | 6.067 | 170295 | 40.162 | ng/ml |
| 15) Aroclor 1232 (3) | 6.151 | 86409 | 38.866 | ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 494110 | 300.181 | ng/ml |
| 17) Aroclor 1232 (5) | 6.539 | 820596 | 380.682 | ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 266684 | 152.185 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.656 | 97858 | 26.897 | ng/ml |
| 21) Aroclor 1242 (2) | 6.067 | 170295 | 21.424 | ng/ml |
| 22) Aroclor 1242 (3) | 6.151 | 86409 | 21.601 | ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 494110 | 148.776 | ng/ml |
| 24) Aroclor 1242 (5) | 6.539 | 820596 | 189.801 | ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 266684 | 73.996 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.067 | 170295 | 34.780 | ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 494110 | 82.456 | ng/ml |
| 29) Aroclor 1248 (3) | 6.539 | 820596 | 122.031 | ng/ml |
| 30) Aroclor 1248 (4) | 6.830 | 716274 | 87.122 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 2122212 | 269.296 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 4428510 | 973.117 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 2122212 | 244.241 | ng/ml |
| 35) Aroclor 1254 (2) | 6.994 | 38591179 | 3434.633 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 4428510 | 263.427 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 1396738 | 130.803 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 5280166 | 449.395 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 612647 | 162.500 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 5971198 | 532.016 | ng/ml |
| 42) Aroclor 1260 (2) | 7.595 | 8891621 | 628.911 | ng/ml |
| 43) Aroclor 1260 (3) | 8.149 | 3405255 | 321.189 | ng/ml |
| 44) Aroclor 1260 (4) | 8.321 | 9609471 | 368.251 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 7:59 am
 Operator : MJB / KAK
 Sample : A0D0212-06RE1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:02:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.618 | 5984856 | 353.457 ng/ml |
| 46) Aroclor 1260 (6) | 9.006 | 2382931 | 340.069 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.595 | 8891621 | 804.738 ng/ml |
| 49) Aroclor 1262 (2) | 7.918 | 4613122 | 303.845 ng/ml |
| 50) Aroclor 1262 (3) | 8.149 | 3405255 | 258.565 ng/ml |
| 51) Aroclor 1262 (4) | 8.321 | 9609471 | 326.620 ng/ml |
| 52) Aroclor 1262 (5) | 8.618 | 5984856 | 330.188 ng/ml |
| 53) Aroclor 1262 (6) | 9.006 | 2382931 | 246.728 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.149 | 3405255 | 479.643 ng/ml |
| 56) Aroclor 1268 (2) | 8.567 | 1951467 | 56.043 ng/ml |
| 57) Aroclor 1268 (3) | 8.618 | 5984856 | 206.768 ng/ml |
| 58) Aroclor 1268 (4) | 8.794 | 516301 | 20.123 ng/ml |
| 59) Aroclor 1268 (5) | 9.006 | 2382931 | 219.230 ng/ml |
| 60) Aroclor 1268 (6) | 9.258 | 1381950 | 17.640 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

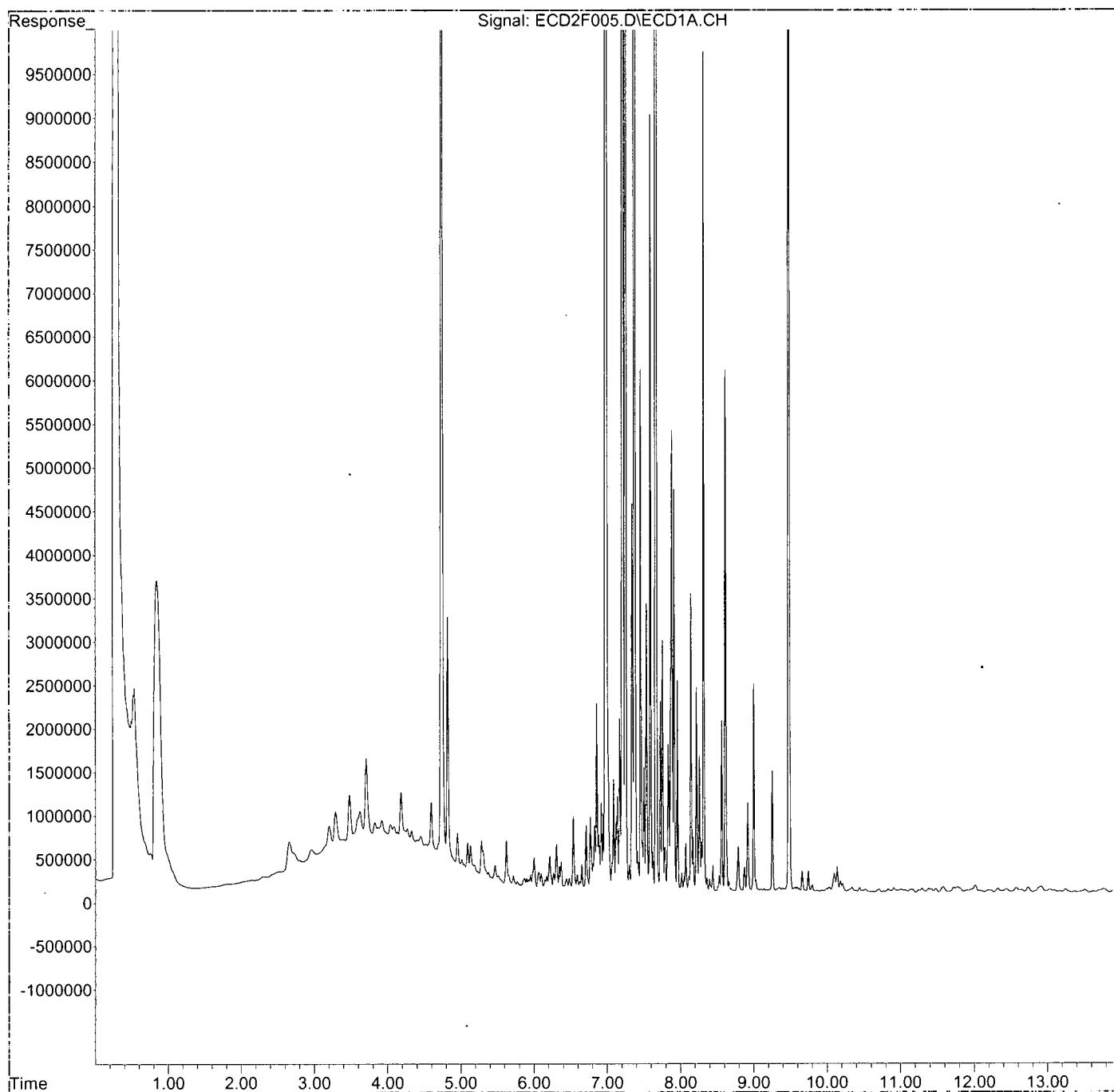
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 7:59 am
Operator : MJB / KAK
Sample : A0D0212-06RE1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:02:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D17014\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0040550-BLK1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:03:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
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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) | 4.744 | 3644215 | 47.856 ng/ml |
| 62) S DCBP (S) | 9.483 | 10515122 | 69.138 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.654 | 6862 | 1.442 ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 5165 | 0.502 ng/ml |
| 4) Aroclor 1016 (3) | 6.152 | 4047 | 0.758 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 4437 | 0.920 ng/ml |
| 6) Aroclor 1016 (5) | 6.528 | 4821 | 0.852 ng/ml |
| 7) Aroclor 1016 (6) | 6.657 | 4282 | 1.051 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.105 | 106740 | 73.604 ng/ml |
| 10) Aroclor 1221 (2) | 5.218 | 16929 | 17.318 ng/ml |
| 11) Aroclor 1221 (3) | 5.293 | 17603 | 5.555 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.293 | 17603 | 6.784 ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 5165 | 1.218 ng/ml |
| 15) Aroclor 1232 (3) | 6.152 | 4047 | 1.820 ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 4437 | 2.695 ng/ml |
| 17) Aroclor 1232 (5) | 6.528 | 4821 | 2.237 ng/ml |
| 18) Aroclor 1232 (6) | 6.657 | 4282 | 2.444 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.654 | 6862 | 1.886 ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 5165 | 0.650 ng/ml |
| 22) Aroclor 1242 (3) | 6.152 | 4047 | 1.012 ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 4437 | 1.336 ng/ml |
| 24) Aroclor 1242 (5) | 6.528 | 4821 | 1.115 ng/ml |
| 25) Aroclor 1242 (6) | 6.657 | 4282 | 1.188 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 5165 | 1.055 ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 4437 | 0.740 ng/ml |
| 29) Aroclor 1248 (3) | 6.528 | 4821 | 0.717 ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 3912 | 0.476 ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 4044 | 0.513 ng/ml |
| 32) Aroclor 1248 (6) | 7.337 | 4278 | 0.940 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 4044 | 0.465 ng/ml |
| 35) Aroclor 1254 (2) | 6.968 | 3553 | 0.316 ng/ml |
| 36) Aroclor 1254 (3) | 7.337 | 4278 | 0.254 ng/ml |
| 37) Aroclor 1254 (4) | 7.500 | 4262 | 0.399 ng/ml |
| 38) Aroclor 1254 (5) | 7.894 | 4434 | 0.377 ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 1577 | 0.418 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.461 | 4924 | 0.439 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 3859 | 0.273 ng/ml |
| 43) Aroclor 1260 (3) | 8.149 | 2222 | 0.210 ng/ml |
| 44) Aroclor 1260 (4) | 8.313 | 7482 | 0.287 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0040550-BLK1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:03:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|-------------|
| 45) Aroclor 1260 (5) | 8.615 | 3143 | 0.186 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 5676 | 0.810 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.594 | 3859 | 0.349 ng/ml |
| 49) Aroclor 1262 (2) | 7.894 | 4434 | 0.292 ng/ml |
| 50) Aroclor 1262 (3) | 8.149 | 2222 | 0.169 ng/ml |
| 51) Aroclor 1262 (4) | 8.313 | 7482 | 0.254 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 3143 | 0.173 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 5676 | 0.588 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.144 | 2120 | 0.299 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 3405 | 0.098 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 3143 | 0.109 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 193250 | 7.532 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 5676 | 0.522 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 421799 | 5.384 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

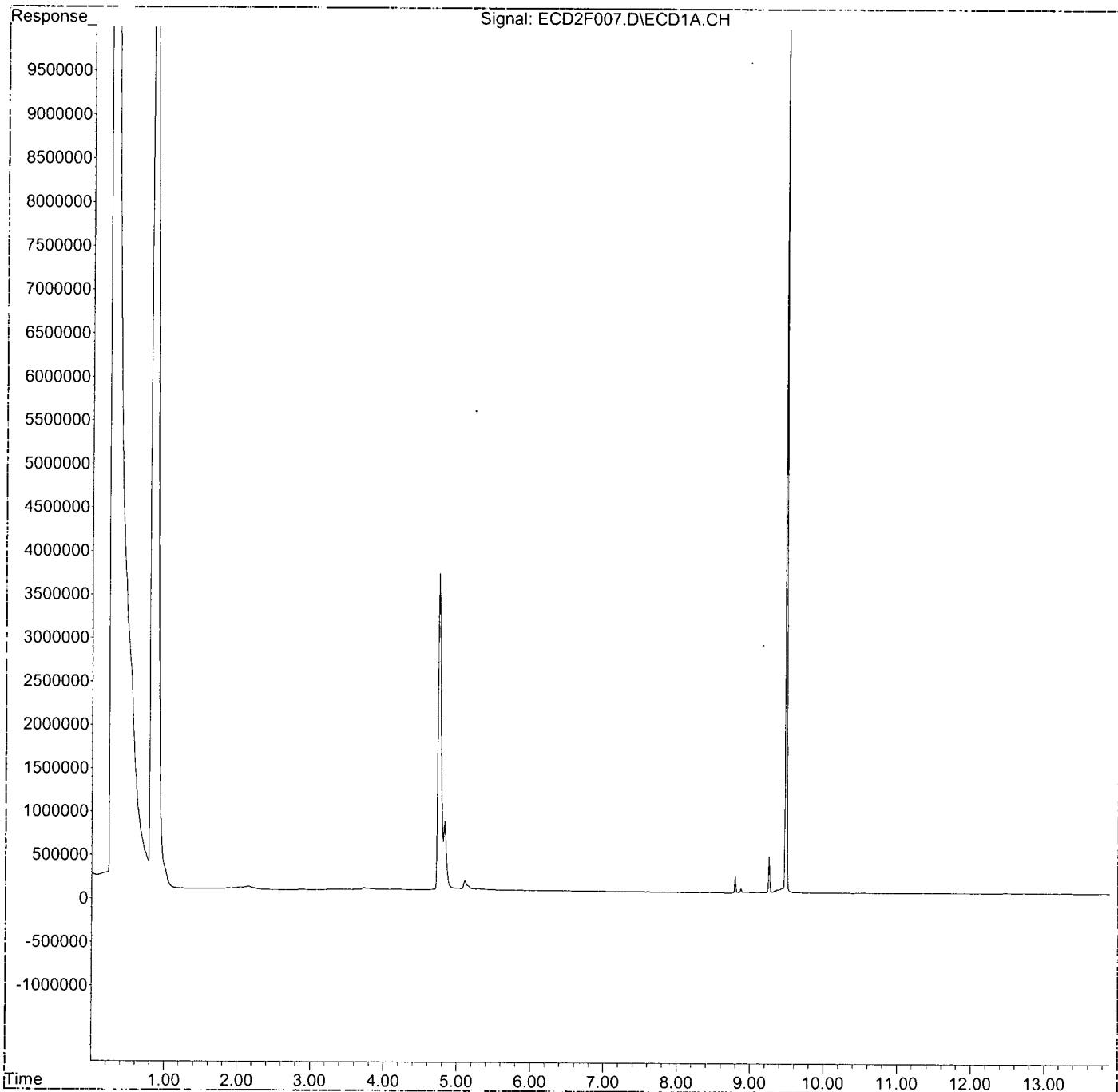
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 8:34 am
Operator : MJB / KAK
Sample : 0040550-BLK1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:03:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D17014\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 8:51 am
 Operator : MJB / KAK
 Sample : 0040550-BS1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:25:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 4.746 | 5150590 | 67.638 | ng/ml |
| 62) S DCBP (S) | 9.483 | 10011765 | 65.828 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.660 | 1719573 | 361.222 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 3896254 | 378.616 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 1910336 | 357.826 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 1812149 | 375.631 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 1999426 | 353.175 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1396957 | 342.916 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.101 | 266327 | 183.648 | ng/ml |
| 10) Aroclor 1221 (2) | 5.217 | 183689 | 187.908 | ng/ml |
| 11) Aroclor 1221 (3) | 5.298 | 783374 | 247.221 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.298 | 783374 | 301.910 | ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 3896254 | 918.892 | ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 1910336 | 859.247 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 1812149 | 1100.915 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 1999426 | 927.551 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 1396957 | 797.183 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.660 | 1719573 | 472.647 | ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 3896254 | 490.176 | ng/ml |
| 22) Aroclor 1242 (3) | 6.154 | 1910336 | 477.562 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 1812149 | 545.637 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 1999426 | 462.461 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1396957 | 387.609 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 3896254 | 795.755 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 1812149 | 302.409 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 1999426 | 297.334 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 417697 | 50.806 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 1440174 | 182.750 | ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 3086718 | 678.273 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 1440174 | 165.747 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 1573004 | 139.998 | ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 3086718 | 183.611 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 456555 | 42.756 | ng/ml |
| 38) Aroclor 1254 (5) | 7.887 | 4240778 | 360.933 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 431028 | 114.327 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 4254102 | 379.028 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 5570558 | 394.010 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 3982594 | 375.645 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 10111143 | 387.475 | ng/ml |

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Data Path : K:\DATA\0D17014\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 8:51 am
 Operator : MJB / KAK
 Sample : 0040550-BS1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:25:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.616 | 6539614 | 386.220 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 2653900 | 378.739 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.594 | 5570558 | 504.164 ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 4040746 | 266.145 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 3982594 | 302.403 ng/ml |
| 51) Aroclor 1262 (4) | 8.319 | 10111143 | 343.671 ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 6539614 | 360.794 ng/ml |
| 53) Aroclor 1262 (6) | 9.004 | 2653900 | 274.785 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 3982594 | 560.963 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 2242292 | 64.395 ng/ml |
| 57) Aroclor 1268 (3) | 8.616 | 6539614 | 225.935 ng/ml |
| 58) Aroclor 1268 (4) | 8.792 | 345124 | 13.451 ng/ml |
| 59) Aroclor 1268 (5) | 9.004 | 2653900 | 244.159 ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 984503 | 12.567 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

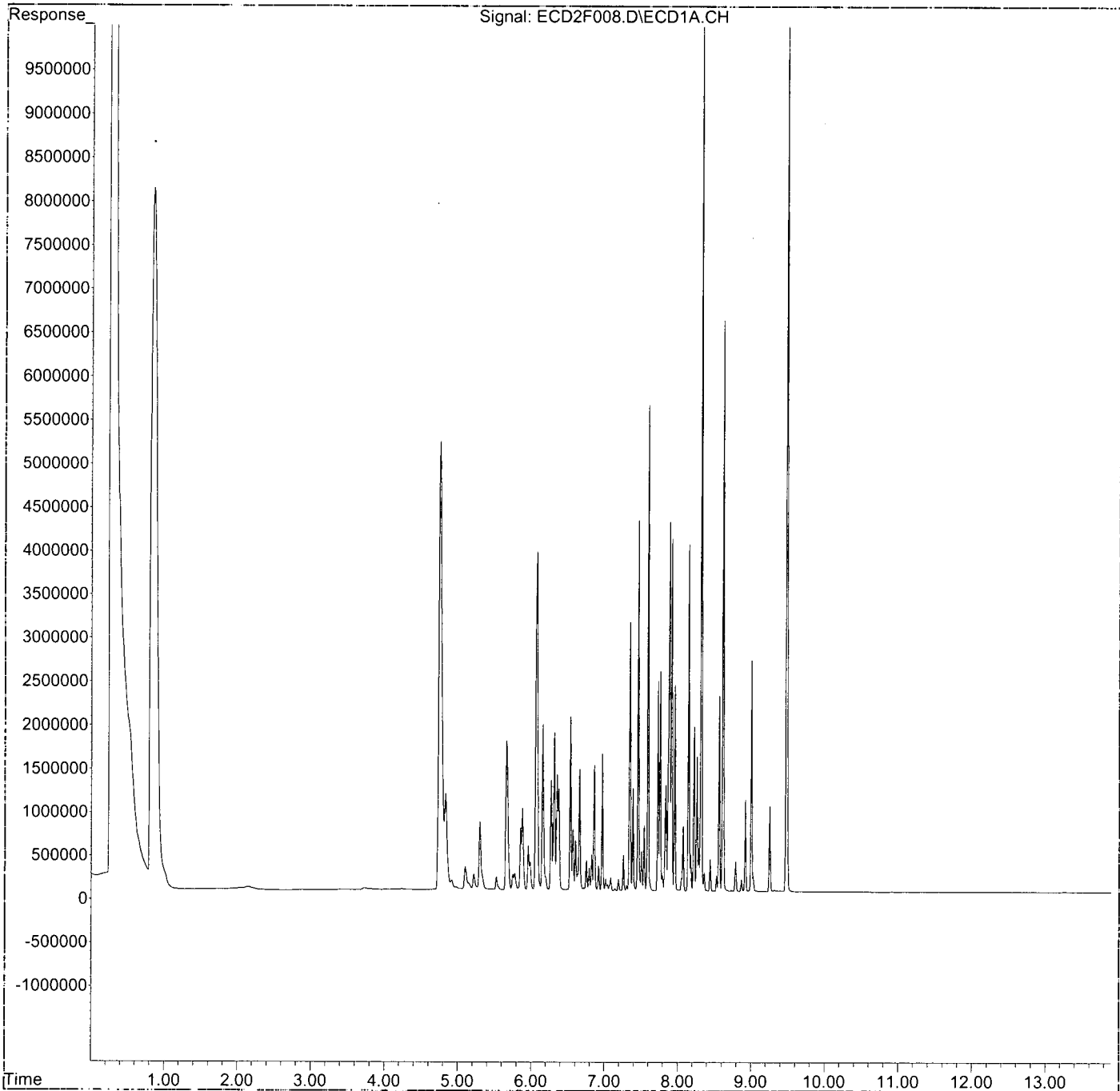
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 8:51 am
Operator : MJB / KAK
Sample : 0040550-BS1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:25:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0040550-BSD1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:25:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 4.744 | 3299339 | 43.328 | ng/ml |
| 62) S DCBP (S) | 9.484 | 11401070 | 74.963 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.661 | 1502161 | 315.552 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 3730683 | 362.527 | ng/ml |
| 4) Aroclor 1016 (3) | 6.155 | 1769486 | 331.443 | ng/ml |
| 5) Aroclor 1016 (4) | 6.312 | 1689376 | 350.182 | ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 1848345 | 326.488 | ng/ml |
| 7) Aroclor 1016 (6) | 6.659 | 1347637 | 330.810 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.101 | 217002 | 149.636 | ng/ml |
| 10) Aroclor 1221 (2) | 5.217 | 164253 | 168.025 | ng/ml |
| 11) Aroclor 1221 (3) | 5.299 | 699813 | 220.850 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.299 | 699813 | 269.706 | ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 3730683 | 879.844 | ng/ml |
| 15) Aroclor 1232 (3) | 6.155 | 1769486 | 795.894 | ng/ml |
| 16) Aroclor 1232 (4) | 6.312 | 1689376 | 1026.328 | ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 1848345 | 857.464 | ng/ml |
| 18) Aroclor 1232 (6) | 6.659 | 1347637 | 769.039 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.661 | 1502161 | 412.889 | ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 3730683 | 469.346 | ng/ml |
| 22) Aroclor 1242 (3) | 6.155 | 1769486 | 442.351 | ng/ml |
| 23) Aroclor 1242 (4) | 6.312 | 1689376 | 508.670 | ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 1848345 | 427.516 | ng/ml |
| 25) Aroclor 1242 (6) | 6.659 | 1347637 | 373.924 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 3730683 | 761.940 | ng/ml |
| 28) Aroclor 1248 (2) | 6.312 | 1689376 | 281.921 | ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 1848345 | 274.867 | ng/ml |
| 30) Aroclor 1248 (4) | 6.828 | 408399 | 49.675 | ng/ml |
| 31) Aroclor 1248 (5) | 6.860 | 1348262 | 171.087 | ng/ml |
| 32) Aroclor 1248 (6) | 7.347 | 3216067 | 706.696 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.860 | 1348262 | 155.169 | ng/ml |
| 35) Aroclor 1254 (2) | 6.972 | 1587684 | 141.305 | ng/ml |
| 36) Aroclor 1254 (3) | 7.347 | 3216067 | 191.305 | ng/ml |
| 37) Aroclor 1254 (4) | 7.507 | 450623 | 42.200 | ng/ml |
| 38) Aroclor 1254 (5) | 7.888 | 4049647 | 344.666 | ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 415236 | 110.138 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 4159127 | 370.566 | ng/ml |
| 42) Aroclor 1260 (2) | 7.595 | 5580534 | 394.716 | ng/ml |
| 43) Aroclor 1260 (3) | 8.149 | 3855500 | 363.657 | ng/ml |
| 44) Aroclor 1260 (4) | 8.320 | 9883928 | 378.768 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0040550-BSD1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 09:25:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 8.617 | 6543876 | 386.472 | ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 2733211 | 390.058 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 7.595 | 5580534 | 505.067 | ng/ml |
| 49) Aroclor 1262 (2) | 7.918 | 4112674 | 270.883 | ng/ml |
| 50) Aroclor 1262 (3) | 8.149 | 3855500 | 292.752 | ng/ml |
| 51) Aroclor 1262 (4) | 8.320 | 9883928 | 335.948 | ng/ml |
| 52) Aroclor 1262 (5) | 8.617 | 6543876 | 361.030 | ng/ml |
| 53) Aroclor 1262 (6) | 9.004 | 2733211 | 282.996 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.149 | 3855500 | 543.062 | ng/ml |
| 56) Aroclor 1268 (2) | 8.566 | 2231367 | 64.081 | ng/ml |
| 57) Aroclor 1268 (3) | 8.617 | 6543876 | 226.082 | ng/ml |
| 58) Aroclor 1268 (4) | 8.792 | 355912 | 13.872 | ng/ml |
| 59) Aroclor 1268 (5) | 9.004 | 2733211 | 251.455 | ng/ml |
| 60) Aroclor 1268 (6) | 9.256 | 1030073 | 13.149 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

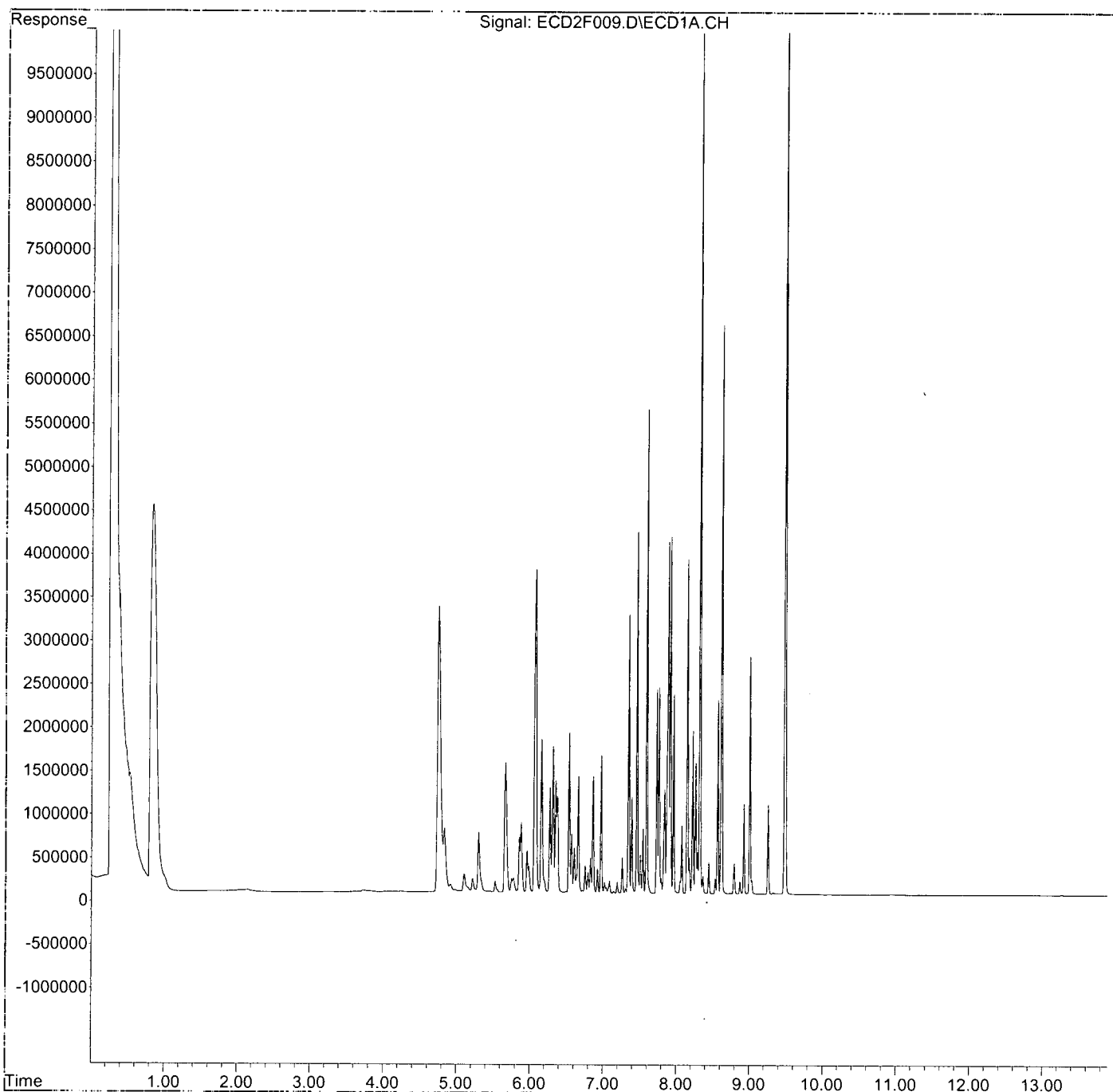
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 9:09 am
Operator : MJB / KAK
Sample : 0040550-BSD1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 09:25:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0D17014-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 12:13:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/17/20

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

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|-------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.744 | 17863075 | 234.581 | ng/ml |
| 62) S DCBP (S) | 9.482 | 36294644 | 238.640 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 2096166 | 440.331 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 4700236 | 456.743 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 2333890 | 437.162 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2098740 | 435.036 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2478851 | 437.860 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1765841 | 433.468 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.100 | 536889 | 370.217 | ng/ml |
| 10) Aroclor 1221 (2) | 5.216 | 236588 | 242.022 | ng/ml |
| 11) Aroclor 1221 (3) | 5.297 | 1013131 | 319.729 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.297 | 1013131 | 390.457 | ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 4700236 | 1108.503 | ng/ml |
| 15) Aroclor 1232 (3) | 6.153 | 2333890 | 1049.757 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 2098740 | 1275.024 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 2478851 | 1149.961 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 1765841 | 1007.690 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 2096166 | 576.159 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 4700236 | 591.323 | ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 2333890 | 583.446 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 2098740 | 631.929 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 2478851 | 573.350 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1765841 | 489.962 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 4700236 | 959.958 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2098740 | 350.235 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 2478851 | 368.630 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 477724 | 58.107 | ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 1640153 | 208.126 | ng/ml |
| 32) Aroclor 1248 (6) | 7.343 | 3858143 | 847.785 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 1640153 | 188.762 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 1820620 | 162.036 | ng/ml |
| 36) Aroclor 1254 (3) | 7.343 | 3858143 | 229.499 | ng/ml |
| 37) Aroclor 1254 (4) | 7.504 | 519474 | 48.648 | ng/ml |
| 38) Aroclor 1254 (5) | 7.883 | 4911020 | 417.977 | ng/ml |
| 39) Aroclor 1254 (6) | 8.174 | 530602 | 140.738 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.456 | 4902883 | 436.832 | ng/ml |
| 42) Aroclor 1260 (2) | 7.591 | 6241000 | 441.431 | ng/ml |
| 43) Aroclor 1260 (3) | 8.145 | 4918717 | 463.941 | ng/ml |
| 44) Aroclor 1260 (4) | 8.316 | 12108912 | 464.033 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0D17014-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 12:13:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.614 | 7524597 | 444.391 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 3045735 | 434.658 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.591 | 6241000 | 564.843 ng/ml |
| 49) Aroclor 1262 (2) | 7.914 | 4715415 | 310.583 ng/ml |
| 50) Aroclor 1262 (3) | 8.145 | 4918717 | 373.484 ng/ml |
| 51) Aroclor 1262 (4) | 8.316 | 12108912 | 411.574 ng/ml |
| 52) Aroclor 1262 (5) | 8.614 | 7524597 | 415.136 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 3045735 | 315.355 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.145 | 4918717 | 692.820 ng/ml |
| 56) Aroclor 1268 (2) | 8.562 | 2519864 | 72.367 ng/ml |
| 57) Aroclor 1268 (3) | 8.614 | 7524597 | 259.964 ng/ml |
| 58) Aroclor 1268 (4) | 8.788 | 260270 | 10.144 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 3045735 | 280.207 ng/ml |
| 60) Aroclor 1268 (6) | 9.252 | 706843 | 9.023 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

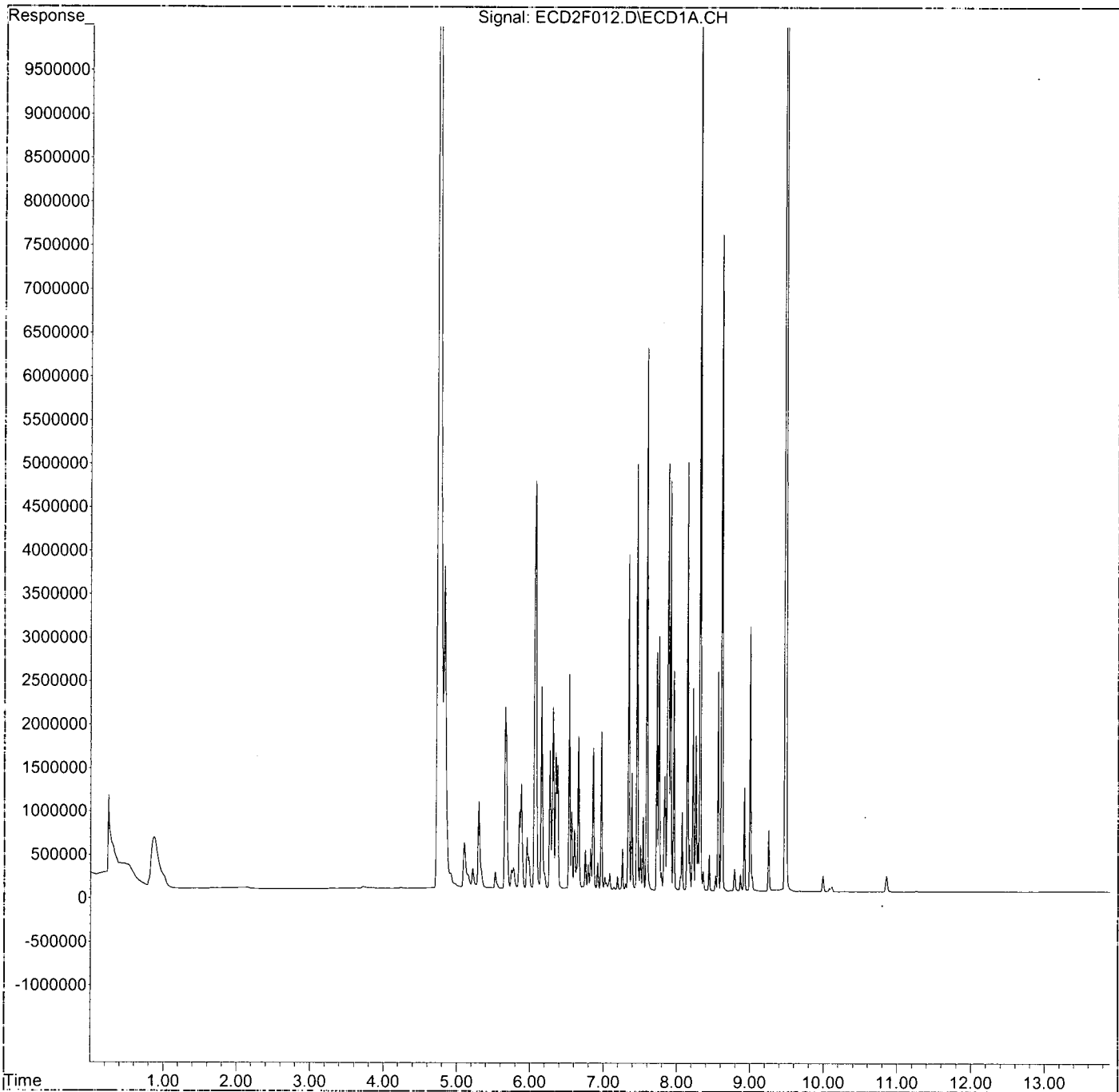
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 10:02 am
Operator : MJB / KAK
Sample : 0D17014-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 12:13:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0D17014-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 12:13:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/17/20
 Clean

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

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------|----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.745 | 6441756 | 84.594 | ng/ml |
| 62) S DCBP (S) | 9.484 | 13122328 | 86.280 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.663 | 5672 | 1.192 | ng/ml |
| 3) Aroclor 1016 (2) | 6.090 | 11458 | 1.113 | ng/ml |
| 4) Aroclor 1016 (3) | 6.140 | 5053 | 0.946 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 5146 | 1.067 | ng/ml |
| 6) Aroclor 1016 (5) | 6.538 | 6051 | 1.069 | ng/ml |
| 7) Aroclor 1016 (6) | 6.656 | 5327 | 1.308 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.103 | 157726 | 108.762 | ng/ml |
| 10) Aroclor 1221 (2) | 5.279f | 14333 | 14.662 | ng/ml |
| 11) Aroclor 1221 (3) | 5.279 | 14333 | 4.523 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.279 | 14333 | 5.524 | ng/ml |
| 14) Aroclor 1232 (2) | 6.090 | 11458 | 2.702 | ng/ml |
| 15) Aroclor 1232 (3) | 6.140 | 5053 | 2.273 | ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 5146 | 3.126 | ng/ml |
| 17) Aroclor 1232 (5) | 6.538 | 6051 | 2.807 | ng/ml |
| 18) Aroclor 1232 (6) | 6.656 | 5327 | 3.040 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.663 | 5672 | 1.559 | ng/ml |
| 21) Aroclor 1242 (2) | 6.090 | 11458 | 1.441 | ng/ml |
| 22) Aroclor 1242 (3) | 6.140 | 5053 | 1.263 | ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 5146 | 1.549 | ng/ml |
| 24) Aroclor 1242 (5) | 6.538 | 6051 | 1.400 | ng/ml |
| 25) Aroclor 1242 (6) | 6.656 | 5327 | 1.478 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.090 | 11458 | 2.340 | ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 5146 | 0.859 | ng/ml |
| 29) Aroclor 1248 (3) | 6.538 | 6051 | 0.900 | ng/ml |
| 30) Aroclor 1248 (4) | 6.828 | 5669 | 0.690 | ng/ml |
| 31) Aroclor 1248 (5) | 6.865 | 6055 | 0.768 | ng/ml |
| 32) Aroclor 1248 (6) | 7.350 | 8053 | 1.770 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.865 | 6055 | 0.697 | ng/ml |
| 35) Aroclor 1254 (2) | 6.974 | 5890 | 0.524 | ng/ml |
| 36) Aroclor 1254 (3) | 7.350 | 8053 | 0.479 | ng/ml |
| 37) Aroclor 1254 (4) | 7.509 | 6905 | 0.647 | ng/ml |
| 38) Aroclor 1254 (5) | 7.893 | 8902 | 0.758 | ng/ml |
| 39) Aroclor 1254 (6) | 8.173 | 3126 | 0.829 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.461 | 7960 | 0.709 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 7503 | 0.531 | ng/ml |
| 43) Aroclor 1260 (3) | 8.146 | 5609 | 0.529 | ng/ml |
| 44) Aroclor 1260 (4) | 8.316 | 8410 | 0.322 | ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D17014\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Apr 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0D17014-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 17 12:13:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|-------|-------|
| 45) | Aroclor 1260 (5) | 8.618 | 6051 | 0.357 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.005 | 4357 | 0.622 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 7.594 | 7503 | 0.679 | ng/ml |
| 49) | Aroclor 1262 (2) | 7.915 | 3737 | 0.246 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.146 | 5609 | 0.426 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.316 | 8410 | 0.286 | ng/ml |
| 52) | Aroclor 1262 (5) | 8.618 | 6051 | 0.334 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.005 | 4357 | 0.451 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.133 | 4819 | 0.679 | ng/ml |
| 56) | Aroclor 1268 (2) | 8.566 | 4896 | 0.141 | ng/ml |
| 57) | Aroclor 1268 (3) | 8.618 | 6051 | 0.209 | ng/ml |
| 58) | Aroclor 1268 (4) | 8.794 | 224262 | 8.740 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.005 | 4357 | 0.401 | ng/ml |
| 60) | Aroclor 1268 (6) | 9.255 | 492221 | 6.283 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

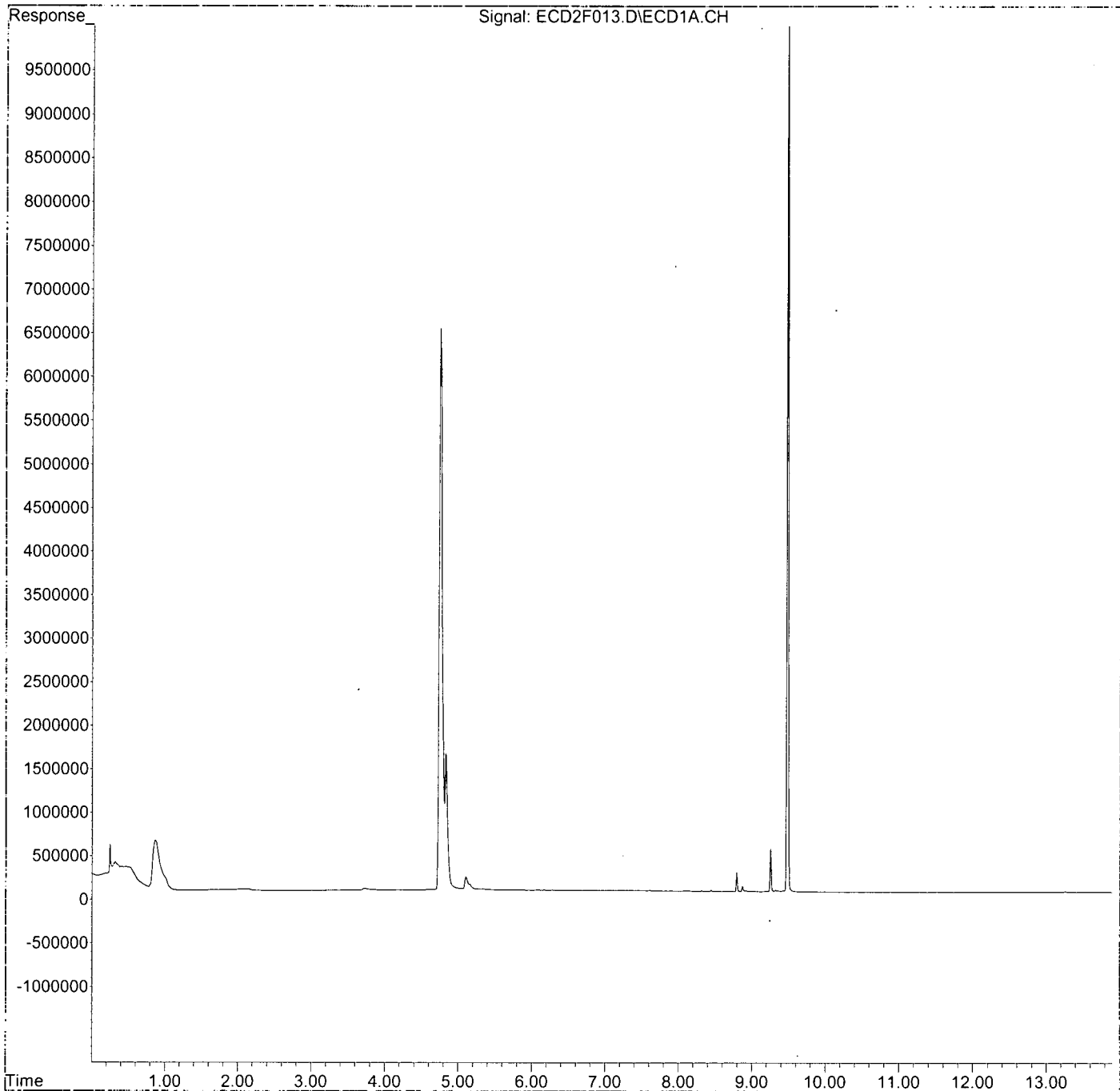
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D17014\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 17 Apr 2020 10:20 am
Operator : MJB / KAK
Sample : 0D17014-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 17 12:13:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



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

Sequence 0D09025 (Cal ID A0D1002) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D09025

Instrument: DUALECD2R

Date: 04/09/20 06:47

Calibration: A0D1002

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|--------|----------|--------|-----|-------|---------|---------|
| 1 | 0D09025-ICB1 | Water | QC | QC | | | | A20C404 |
| 2 | 0D09025-CAL1 | Water | QC | QC | | | | A19L280 |
| 3 | 0D09025-CAL2 | Water | QC | QC | | | | A19L281 |
| 4 | 0D09025-CAL3 | Water | QC | QC | | | | A19L282 |
| 5 | 0D09025-CAL4 | Water | QC | QC | | | | A19L283 |
| 6 | 0D09025-CAL5 | Water | QC | QC | | | | A19L276 |
| 7 | 0D09025-CAL6 | Water | QC | QC | | | | A19L278 |
| 8 | 0D09025-CAL7 | Water | QC | QC | | | | A19L279 |
| 9 | 0D09025-IBL1 | Water | QC | QC | | | | |
| 10 | 0D09025-ICV1 | Water | QC | QC | | | | A20B355 |
| 11 | 0D09025-CAL8 | Water | QC | QC | | | | A20C117 |
| 12 | 0D09025-CAL9 | Water | QC | QC | | | | A20B322 |
| 13 | 0D09025-CALA | Water | QC | QC | | | | A20B323 |
| 14 | 0D09025-CALB | Water | QC | QC | | | | A20B324 |
| 15 | 0D09025-CALC | Water | QC | QC | | | | A20B325 |
| 16 | 0D09025-CALD | Water | QC | QC | | | | A20B326 |
| 17 | 0D09025-CALE | Water | QC | QC | | | | A20B327 |
| 18 | 0D09025-ICV2 | Water | QC | QC | | | | A20B353 |
| 19 | 0D09025-ICV3 | Water | QC | QC | | | | A19J367 |
| 20 | 0D09025-ICV4 | Water | QC | QC | | | | A20B354 |
| 21 | 0D09025-ICV5 | Water | QC | QC | | | | A20B130 |

Data Entered By: AK 4/10/20

Comments:

Data Reviewed By: MK 4/13/20

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200409.M
 Title : PCB Data Analysis
 Last Update : Fri Apr 10 07:54:48 2020
 Response Via : Initial Calibration

A0D100Z

[Signature] 4/10/20

| # | ID | Conc | ISTD Conc | Path\File |
|---|----|------|--------------|----------------------------|
| 1 | 1 | 10 | 0 | K:\DATA\0D09025\ECD2R009.D |
| 2 | 2 | 25 | 0 | K:\DATA\0D09025\ECD2R010.D |
| 3 | 3 | 50 | 0 | K:\DATA\0D09025\ECD2R011.D |
| 4 | 4 | 100 | 0 | K:\DATA\0D09025\ECD2R012.D |
| 5 | 5 | 250 | 0 | K:\DATA\0D09025\ECD2R024.D |
| 6 | 6 | 500 | 0 | K:\DATA\0D09025\ECD2R014.D |
| 7 | 7 | 800 | 0 | K:\DATA\0D09025\ECD2R015.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|----|-------------------|-------------------|-------------------|
| 1 | 1 | Apr 09 12:25 2020 | Apr 09 11:58 2020 | 09 Apr 2020 10:21 |
| 2 | 2 | Apr 09 12:25 2020 | Apr 09 12:00 2020 | 09 Apr 2020 10:39 |
| 3 | 3 | Apr 09 12:26 2020 | Apr 09 12:02 2020 | 09 Apr 2020 10:57 |
| 4 | 4 | Apr 09 12:26 2020 | Apr 09 12:03 2020 | 09 Apr 2020 11:14 |
| 5 | 5 | Apr 10 07:54 2020 | Apr 10 07:53 2020 | 09 Apr 2020 14:46 |
| 6 | 6 | Apr 09 12:26 2020 | Apr 09 12:10 2020 | 09 Apr 2020 11:49 |
| 7 | 7 | Apr 09 12:27 2020 | Apr 09 12:23 2020 | 09 Apr 2020 12:07 |

RECD2_QUANTPCB_200409.M Fri Apr 10 09:48:56 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200409.M
 Title : PCB Data Analysis
 Last Update : Fri Apr 10 07:54:48 2020
 Response Via : Initial Calibration

Handwritten signature
 4/10/20

Calibration Files

1 =ECD2R009.D 2 =ECD2R010.D 3 =ECD2R011.D
 4 =ECD2R012.D 5 =ECD2R024.D 6 =ECD2R014.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD |
|----------------------|-------|-------|-------|-------|-------|-------|-------|------------|
| 1) S TCMX (S) | 2.859 | 3.010 | 2.993 | 3.053 | 2.872 | 3.427 | 2.963 | E5 9.12 |
| 2) Aroclor 1016 ... | 1.142 | 1.061 | 0.986 | 0.926 | 0.836 | 0.852 | 0.955 | E4 11.98 ✓ |
| 3) Aroclor 1016 ... | 1.834 | 1.759 | 1.656 | 1.676 | 1.543 | 1.621 | 1.670 | E4 5.89 ✓ |
| 4) Aroclor 1016 ... | 9.061 | 8.499 | 7.799 | 7.441 | 7.042 | 7.189 | 7.728 | E3 10.10 ✓ |
| 5) Aroclor 1016 ... | 9.994 | 8.911 | 8.241 | 7.817 | 6.924 | 7.245 | 8.023 | E3 13.99 ✓ |
| 6) Aroclor 1016 ... | 1.046 | 0.944 | 0.893 | 0.844 | 0.770 | 0.777 | 0.868 | E4 11.55 ✓ |
| 7) Aroclor 1016 (6) | 1.042 | 0.972 | 0.892 | 0.834 | 0.817 | 0.802 | 0.879 | E4 10.87 ✓ |
| 8) Aroclor 1016 ... | | | | | | | 0.000 | -1.00 |
| 9) Aroclor 1221 (1) | | | | | 2.211 | | 2.211 | E3 0.00 |
| 10) Aroclor 1221 (2) | | | | | 2.165 | | 2.165 | E3 0.00 |
| 11) Aroclor 1221 (3) | | | | | 7.223 | | 7.223 | E3 0.00 |
| 12) Aroclor 1221 ... | | | | | | | 0.000 | -1.00 |
| 13) Aroclor 1232 (1) | | | | | 6.110 | | 6.110 | E3 0.00 |
| 14) Aroclor 1232 (2) | | | | | 3.737 | | 3.737 | E3 0.00 |
| 15) Aroclor 1232 (3) | | | | | 6.856 | | 6.856 | E3 0.00 |
| 16) Aroclor 1232 (4) | | | | | 2.526 | | 2.526 | E3 0.00 |
| 17) Aroclor 1232 (5) | | | | | 3.039 | | 3.039 | E3 0.00 |
| 18) Aroclor 1232 (6) | | | | | 3.204 | | 3.204 | E3 0.00 |
| 19) Aroclor 1232 ... | | | | | | | 0.000 | -1.00 |
| 20) Aroclor 1242 ... | | | | | 6.972 | | 6.972 | E3 0.00 |
| 21) Aroclor 1242 ... | | | | | 1.248 | | 1.248 | E4 0.00 |
| 22) Aroclor 1242 ... | | | | | 5.648 | | 5.648 | E3 0.00 |
| 23) Aroclor 1242 ... | | | | | 5.316 | | 5.316 | E3 0.00 |
| 24) Aroclor 1242 ... | | | | | 6.106 | | 6.106 | E3 0.00 |
| 25) Aroclor 1242 (6) | | | | | 6.518 | | 6.518 | E3 0.00 |
| 26) Aroclor 1242 ... | | | | | | | 0.000 | -1.00 |
| 27) Aroclor 1248 ... | | | | | 7.055 | | 7.055 | E3 0.00 |
| 28) Aroclor 1248 ... | | | | | 8.989 | | 8.989 | E3 0.00 |
| 29) Aroclor 1248 ... | | | | | 8.354 | | 8.354 | E3 0.00 |
| 30) Aroclor 1248 ... | | | | | 1.015 | | 1.015 | E4 0.00 |
| 31) Aroclor 1248 ... | | | | | 1.292 | | 1.292 | E4 0.00 |
| 32) Aroclor 1248 (6) | | | | | 1.152 | | 1.152 | E4 0.00 |
| 33) Aroclor 1248 ... | | | | | | | 0.000 | -1.00 |
| 34) Aroclor 1254 ... | | | | | 1.290 | | 1.290 | E4 0.00 |
| 35) Aroclor 1254 ... | | | | | 2.045 | | 2.045 | E4 0.00 |
| 36) Aroclor 1254 ... | | | | | 2.209 | | 2.209 | E4 0.00 |
| 37) Aroclor 1254 ... | | | | | 1.736 | | 1.736 | E4 0.00 |
| 38) Aroclor 1254 ... | | | | | 1.655 | | 1.655 | E4 0.00 |
| 39) Aroclor 1254 (6) | | | | | 5.026 | | 5.026 | E3 0.00 |
| 40) Aroclor 1254 ... | | | | | | | 0.000 | -1.00 |
| 41) Aroclor 1260 ... | 1.864 | 1.767 | 1.717 | 1.672 | 1.519 | 1.572 | 1.668 | E4 7.41 ✓ |
| 42) Aroclor 1260 ... | 2.317 | 2.174 | 2.050 | 2.017 | 1.971 | 2.024 | 2.072 | E4 6.28 ✓ |
| 43) Aroclor 1260 (3) | 2.145 | 2.149 | 2.071 | 2.099 | 1.965 | 2.028 | 2.081 | E4 3.19 ✓ |
| 44) Aroclor 1260 (4) | 3.324 | 3.386 | 3.322 | 3.454 | 3.273 | 3.367 | 3.395 | E4 3.60 ✓ |
| 45) Aroclor 1260 (5) | 2.034 | 2.049 | 1.925 | 1.996 | 1.929 | 1.902 | 1.979 | E4 3.00 ✓ |
| 46) Aroclor 1260 (6) | 8.745 | 8.449 | 7.594 | 7.503 | 7.188 | 7.277 | 7.784 | E3 7.59 ✓ |
| 47) Aroclor 1260 ... | | | | | | | 0.000 | -1.00 |
| 48) Aroclor 1262 (1) | | | | | 1.627 | | 1.627 | E4 0.00 |
| 49) Aroclor 1262 (2) | | | | | 2.184 | | 2.184 | E4 0.00 |
| 50) Aroclor 1262 (3) | | | | | 1.795 | | 1.795 | E4 0.00 |
| 51) Aroclor 1262 (4) | | | | | 3.868 | | 3.868 | E4 0.00 |
| 52) Aroclor 1262 (5) | | | | | 2.334 | | 2.334 | E4 0.00 |
| 53) Aroclor 1262 (6) | | | | | 1.040 | | 1.040 | E4 0.00 |
| 54) Aroclor 1262 ... | | | | | | | 0.000 | -1.00 |
| 55) Aroclor 1268 (1) | | | | | 9.708 | | 9.708 | E3 0.00 |

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200409.M
 Title : PCB Data Analysis
 Last Update : Fri Apr 10 07:54:48 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R009.D 2 =ECD2R010.D 3 =ECD2R011.D
 4 =ECD2R012.D 5 =ECD2R024.D 6 =ECD2R014.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD |
|----------------------|-------|-------|-------|-------|-------|-------|----------|--------|
| 56) Aroclor 1268 (2) | | | | | 4.310 | | 4.310 E4 | 0.00 |
| 57) Aroclor 1268 (3) | | | | | 3.543 | | 3.543 E4 | 0.00 |
| 58) Aroclor 1268 (4) | | | | | 2.991 | | 2.991 E4 | 0.00 |
| 59) Aroclor 1268 (5) | | | | | 1.197 | | 1.197 E4 | 0.00 |
| 60) Aroclor 1268 (6) | | | | | 8.096 | | 8.096 E4 | 0.00 |
| 61) Aroclor 1268 ... | | | | | | | 0.000 | -1.00 |
| 62) S DCBP (S) | 1.550 | 1.625 | 1.598 | 1.633 | 1.553 | 1.789 | 1.670 E5 | 8.61 ✓ |

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

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200409.M
 Title : PCB Data Analysis
 Last Update : Fri Apr 10 07:54:48 2020
 Response Via : Initial Calibration

Handwritten signature
 4/10/20

Total Cpnds : 62

| PK# | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|--------------------|--------|--------|-----|-----|----|
| 1 | S TCMX (S) | 5.565 | 1.000 | A | H | R |
| 2 | Aroclor 1016 (1) | 6.237 | 1.000 | A | H | R |
| 3 | Aroclor 1016 (2) | 6.726 | 1.000 | A | H | R |
| 4 | Aroclor 1016 (3) | 6.852 | 1.000 | A | H | R |
| 5 | Aroclor 1016 (4) | 6.939 | 1.000 | A | H | R |
| 6 | Aroclor 1016 (5) | 6.984 | 1.000 | A | H | R |
| 7 | Aroclor 1016 (6) | 7.109 | 1.000 | A | H | R |
| 8 | Aroclor 1016 - AVE | 1.716 | 1.000 | A | H | R |
| 9 | Aroclor 1221 (1) | 5.742 | 1.000 | A | H | R |
| 10 | Aroclor 1221 (2) | 5.814 | 1.000 | A | H | R |
| 11 | Aroclor 1221 (3) | 5.901 | 1.000 | A | H | R |
| 12 | Aroclor 1221 - AVE | 1.716 | 1.000 | A | H | R |
| 13 | Aroclor 1232 (1) | 5.902 | 1.000 | A | H | R |
| 14 | Aroclor 1232 (2) | 6.237 | 1.000 | A | H | R |
| 15 | Aroclor 1232 (3) | 6.726 | 1.000 | A | H | R |
| 16 | Aroclor 1232 (4) | 6.939 | 1.000 | A | H | R |
| 17 | Aroclor 1232 (5) | 6.984 | 1.000 | A | H | R |
| 18 | Aroclor 1232 (6) | 7.108 | 1.000 | A | H | R |
| 19 | Aroclor 1232 - AVE | 1.716 | 1.000 | A | H | R |
| 20 | Aroclor 1242 (1) | 6.238 | 1.000 | A | H | R |
| 21 | Aroclor 1242 (2) | 6.727 | 1.000 | A | H | R |
| 22 | Aroclor 1242 (3) | 6.853 | 1.000 | A | H | R |
| 23 | Aroclor 1242 (4) | 6.940 | 1.000 | A | H | R |
| 24 | Aroclor 1242 (5) | 6.984 | 1.000 | A | H | R |
| 25 | Aroclor 1242 (6) | 7.109 | 1.000 | A | H | R |
| 26 | Aroclor 1242 - AVE | 1.716 | 1.000 | A | H | R |
| 27 | Aroclor 1248 (1) | 6.727 | 1.000 | A | H | R |
| 28 | Aroclor 1248 (2) | 6.940 | 1.000 | A | H | R |
| 29 | Aroclor 1248 (3) | 6.984 | 1.000 | A | H | R |
| 30 | Aroclor 1248 (4) | 7.109 | 1.000 | A | H | R |
| 31 | Aroclor 1248 (5) | 7.475 | 1.000 | A | H | R |
| 32 | Aroclor 1248 (6) | 7.631 | 1.000 | A | H | R |
| 33 | Aroclor 1248 - AVE | 1.716 | 1.000 | A | H | R |
| 34 | Aroclor 1254 (1) | 7.451 | 1.000 | A | H | R |
| 35 | Aroclor 1254 (2) | 7.632 | 1.000 | A | H | R |
| 36 | Aroclor 1254 (3) | 7.942 | 1.000 | A | H | R |
| 37 | Aroclor 1254 (4) | 8.181 | 1.000 | A | H | R |
| 38 | Aroclor 1254 (5) | 8.514 | 1.000 | A | H | R |
| 39 | Aroclor 1254 (6) | 8.743 | 1.000 | A | H | R |
| 40 | Aroclor 1254 - AVE | 1.716 | 1.000 | A | H | R |
| 41 | Aroclor 1260 (1) | 8.078 | 1.000 | A | H | R |
| 42 | Aroclor 1260 (2) | 8.285 | 1.000 | A | H | R |
| 43 | Aroclor 1260 (3) | 8.516 | 1.000 | A | H | R |
| 44 | Aroclor 1260 (4) | 8.996 | 1.000 | A | H | R |
| 45 | Aroclor 1260 (5) | 9.247 | 1.000 | A | H | R |
| 46 | Aroclor 1260 (6) | 9.796 | 1.000 | A | H | R |
| 47 | Aroclor 1260 - AVE | 1.716 | 1.000 | A | H | R |
| 48 | Aroclor 1262 (1) | 8.285 | 1.000 | A | H | R |
| 49 | Aroclor 1262 (2) | 8.585 | 1.000 | A | H | R |
| 50 | Aroclor 1262 (3) | 8.763 | 1.000 | A | H | R |
| 51 | Aroclor 1262 (4) | 8.997 | 1.000 | A | H | R |
| 52 | Aroclor 1262 (5) | 9.249 | 1.000 | A | H | R |
| 53 | Aroclor 1262 (6) | 9.797 | 1.000 | A | H | R |
| 54 | Aroclor 1262 - AVE | 1.716 | 1.000 | A | H | R |
| 55 | Aroclor 1268 (1) | 8.802 | 1.000 | A | H | R |
| 56 | Aroclor 1268 (2) | 9.249 | 1.000 | A | H | R |

| | | | | | | |
|----|--------------------|--------|-------|---|---|---|
| 57 | Aroclor 1268 (3) | 9.312 | 1.000 | A | H | R |
| 58 | Aroclor 1268 (4) | 9.519 | 1.000 | A | H | R |
| 59 | Aroclor 1268 (5) | 9.797 | 1.000 | A | H | R |
| 60 | Aroclor 1268 (6) | 10.135 | 1.000 | A | H | R |
| 61 | Aroclor 1268 - AVE | 1.715 | 1.000 | A | H | R |
| 62 | S DCBP (S) | 10.435 | 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

RECD2_QUANTPCB_200409.M Fri Apr 10 08:43:38 2020

Element Calibration Review Sheet

Calibration ID: **A0D1002**
 Analysis: **8082 PCBs**

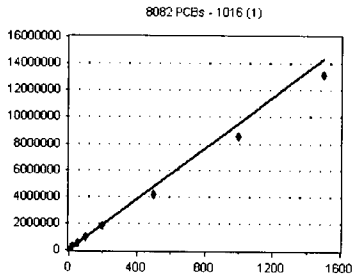
Instrument: **DUALECD2R**

Calibration Date: **04/10/2020**

Instrument Cal ID: **RECD2_QUANTPCB_20040**

1016 (1)

Curve Fit: **AVERAGE RF**

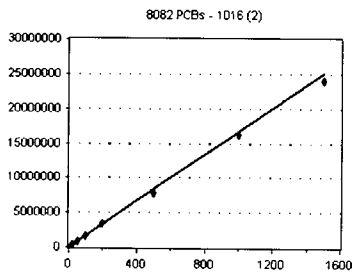


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 228305 | 11415.250 | 6.24 |
| 0D09025-CAL2 | 50 | 530680 | 10613.600 | 6.24 |
| 0D09025-CAL3 | 100 | 986411 | 9864.110 | 6.24 |
| 0D09025-CAL4 | 200 | 1851871 | 9259.355 | 6.24 |
| 0D09025-CAL5 | 500 | 4182367 | 8364.734 | 6.24 |
| 0D09025-CAL6 | 1000 | 8523190 | 8523.190 | 6.24 |
| 0D09025-CAL7 | 1500 | 316676E+07 | 8777.840 | 6.24 |

AVE RF 9545.440 **RF RSD** 11.98 **AVE RT** 6.24

1016 (2)

Curve Fit: **AVERAGE RF**

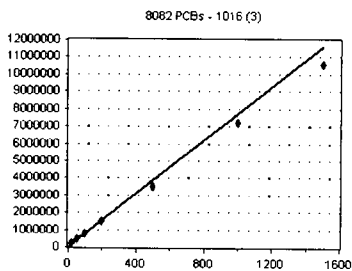


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 366826 | 18341.300 | 6.73 |
| 0D09025-CAL2 | 50 | 879396 | 17587.920 | 6.73 |
| 0D09025-CAL3 | 100 | 1656065 | 16560.650 | 6.73 |
| 0D09025-CAL4 | 200 | 3352806 | 16764.030 | 6.73 |
| 0D09025-CAL5 | 500 | 7715821 | 15431.640 | 6.73 |
| 0D09025-CAL6 | 1000 | 620598E+07 | 16205.980 | 6.73 |
| 0D09025-CAL7 | 1500 | 405524E+07 | 16036.830 | 6.73 |

AVE RF 16704.050 **RF RSD** 5.89 **AVE RT** 6.73

1016 (3)

Curve Fit: **AVERAGE RF**

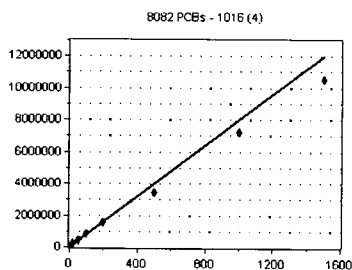


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 181221 | 9061.050 | 6.85 |
| 0D09025-CAL2 | 50 | 424935 | 8498.700 | 6.85 |
| 0D09025-CAL3 | 100 | 779857 | 7798.570 | 6.85 |
| 0D09025-CAL4 | 200 | 1488183 | 7440.915 | 6.85 |
| 0D09025-CAL5 | 500 | 3521177 | 7042.354 | 6.85 |
| 0D09025-CAL6 | 1000 | 7188564 | 7188.564 | 6.85 |
| 0D09025-CAL7 | 1500 | 060323E+07 | 7068.820 | 6.85 |

AVE RF 7728.425 **RF RSD** 10.10 **AVE RT** 6.85

1016 (4)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 199876 | 9993.800 | 6.94 |
| 0D09025-CAL2 | 50 | 445575 | 8911.500 | 6.94 |
| 0D09025-CAL3 | 100 | 824102 | 8241.020 | 6.94 |
| 0D09025-CAL4 | 200 | 1563408 | 7817.040 | 6.94 |
| 0D09025-CAL5 | 500 | 3462009 | 6924.018 | 6.94 |
| 0D09025-CAL6 | 1000 | 7244607 | 7244.607 | 6.94 |
| 0D09025-CAL7 | 1500 | 054624E+07 | 7030.827 | 6.94 |

AVE RF 8023.259 **RF RSD** 13.99 **AVE RT** 6.94

Element Calibration Review Sheet

Calibration ID: **A0D1002**

Instrument: **DUALECD2R**

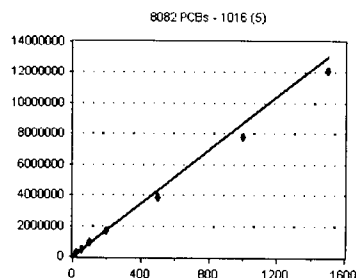
Calibration Date: **04/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20040**

1016 (5)

Curve Fit: **AVERAGE RF**

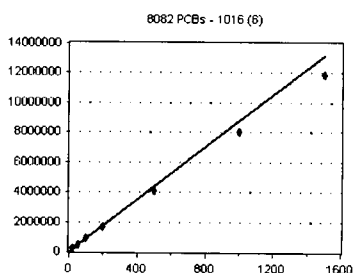


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 209118 | 10455.900 | 6.98 |
| 0D09025-CAL2 | 50 | 471840 | 9436.800 | 6.99 |
| 0D09025-CAL3 | 100 | 893465 | 8934.650 | 6.98 |
| 0D09025-CAL4 | 200 | 1688096 | 8440.480 | 6.98 |
| 0D09025-CAL5 | 500 | 3848778 | 7697.556 | 6.99 |
| 0D09025-CAL6 | 1000 | 7770215 | 7770.215 | 6.98 |
| 0D09025-CAL7 | 1500 | 207849E+07 | 8052.327 | 6.98 |

AVE RF 8683.990 RF RSD 11.55 AVE RT 6.98

1016 (6)

Curve Fit: **AVERAGE RF**

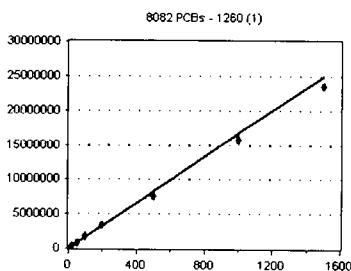


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 208459 | 10422.950 | 7.11 |
| 0D09025-CAL2 | 50 | 485922 | 9718.440 | 7.11 |
| 0D09025-CAL3 | 100 | 891768 | 8917.680 | 7.11 |
| 0D09025-CAL4 | 200 | 1668249 | 8341.245 | 7.11 |
| 0D09025-CAL5 | 500 | 4083977 | 8167.954 | 7.11 |
| 0D09025-CAL6 | 1000 | 8021413 | 8021.413 | 7.11 |
| 0D09025-CAL7 | 1500 | .18883E+07 | 7925.533 | 7.11 |

AVE RF 8787.888 RF RSD 10.87 AVE RT 7.11

1260 (1)

Curve Fit: **AVERAGE RF**

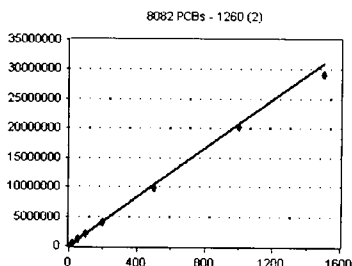


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 372718 | 18635.900 | 8.08 |
| 0D09025-CAL2 | 50 | 883425 | 17668.500 | 8.08 |
| 0D09025-CAL3 | 100 | 1717489 | 17174.890 | 8.08 |
| 0D09025-CAL4 | 200 | 3343516 | 16717.580 | 8.08 |
| 0D09025-CAL5 | 500 | 7596908 | 15193.820 | 8.08 |
| 0D09025-CAL6 | 1000 | 571563E+07 | 15715.630 | 8.08 |
| 0D09025-CAL7 | 1500 | 352644E+07 | 15684.290 | 8.08 |

AVE RF 16684.370 RF RSD 7.41 AVE RT 8.08

1260 (2)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 463394 | 23169.700 | 8.28 |
| 0D09025-CAL2 | 50 | 1086953 | 21739.060 | 8.29 |
| 0D09025-CAL3 | 100 | 2050232 | 20502.320 | 8.28 |
| 0D09025-CAL4 | 200 | 4034423 | 20172.120 | 8.28 |
| 0D09025-CAL5 | 500 | 9854734 | 19709.470 | 8.29 |
| 0D09025-CAL6 | 1000 | .02427E+07 | 20242.700 | 8.29 |
| 0D09025-CAL7 | 1500 | 922289E+07 | 19481.930 | 8.29 |

AVE RF 20716.760 RF RSD 6.28 AVE RT 8.28

Element Calibration Review Sheet

Calibration ID: **A0D1002**

Instrument: **DUALECD2R**

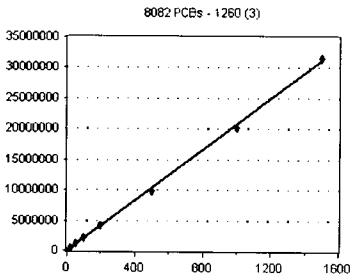
Calibration Date: **04/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20040**

1260 (3)

Curve Fit: **AVERAGE RF**

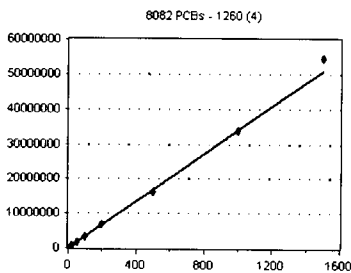


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 429034 | 21451.700 | 8.52 |
| 0D09025-CAL2 | 50 | 1074479 | 21489.580 | 8.52 |
| 0D09025-CAL3 | 100 | 2071243 | 20712.430 | 8.52 |
| 0D09025-CAL4 | 200 | 4197822 | 20989.110 | 8.52 |
| 0D09025-CAL5 | 500 | 9824367 | 19648.730 | 8.52 |
| 0D09025-CAL6 | 1000 | 027882E+07 | 20278.820 | 8.52 |
| 0D09025-CAL7 | 1500 | 168544E+07 | 21123.630 | 8.52 |

AVE RF 20813.430 RF RSD 3.19 AVE RT 8.52

1260 (4)

Curve Fit: **AVERAGE RF**

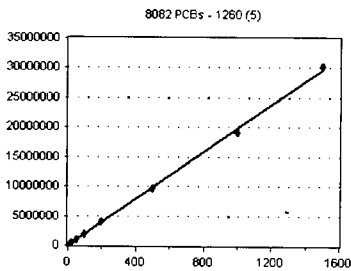


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 664701 | 33235.050 | 9.00 |
| 0D09025-CAL2 | 50 | 1693246 | 33864.920 | 9.00 |
| 0D09025-CAL3 | 100 | 3321616 | 33216.160 | 9.00 |
| 0D09025-CAL4 | 200 | 6907542 | 34537.710 | 9.00 |
| 0D09025-CAL5 | 500 | 636277E+07 | 32725.540 | 9.00 |
| 0D09025-CAL6 | 1000 | 367117E+07 | 33671.170 | 9.00 |
| 0D09025-CAL7 | 1500 | 459904E+07 | 36399.360 | 9.00 |

AVE RF 33949.990 RF RSD 3.60 AVE RT 9.00

1260 (5)

Curve Fit: **AVERAGE RF**

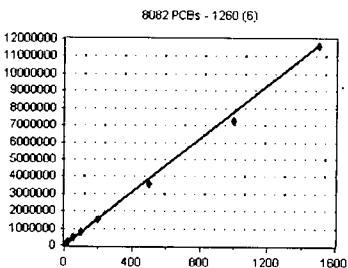


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 406889 | 20344.450 | 9.25 |
| 0D09025-CAL2 | 50 | 1024587 | 20491.740 | 9.25 |
| 0D09025-CAL3 | 100 | 1924731 | 19247.310 | 9.25 |
| 0D09025-CAL4 | 200 | 3992265 | 19961.320 | 9.25 |
| 0D09025-CAL5 | 500 | 9646918 | 19293.840 | 9.25 |
| 0D09025-CAL6 | 1000 | 902417E+07 | 19024.170 | 9.25 |
| 0D09025-CAL7 | 1500 | 027045E+07 | 20180.300 | 9.25 |

AVE RF 19791.880 RF RSD 3.00 AVE RT 9.25

1260 (6)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| 0D09025-CAL1 | 20 | 174890 | 8744.500 | 9.80 |
| 0D09025-CAL2 | 50 | 422432 | 8448.640 | 9.80 |
| 0D09025-CAL3 | 100 | 759405 | 7594.050 | 9.80 |
| 0D09025-CAL4 | 200 | 1500577 | 7502.885 | 9.80 |
| 0D09025-CAL5 | 500 | 3594231 | 7188.462 | 9.80 |
| 0D09025-CAL6 | 1000 | 7276838 | 7276.838 | 9.80 |
| 0D09025-CAL7 | 1500 | 159962E+07 | 7733.080 | 9.80 |

AVE RF 7784.065 RF RSD 7.59 AVE RT 9.80

Element Calibration Review Sheet

Calibration ID: **A0D1002**

Instrument: **DUALECD2R**

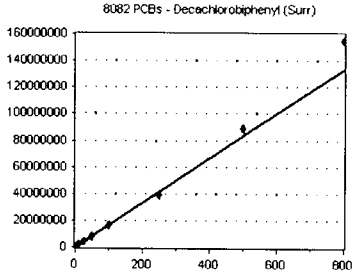
Calibration Date: **04/10/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



| <u>Standard</u> | <u>Concentration</u> | <u>Response</u> | <u>Response Factor</u> | <u>RT</u> |
|-----------------|----------------------|-----------------|------------------------|-----------|
| 0D09025-CAL1 | 10 | 1549703 | 154970.300 | 10.43 |
| 0D09025-CAL2 | 25 | 4063177 | 162527.100 | 10.43 |
| 0D09025-CAL3 | 50 | 7990254 | 159805.100 | 10.43 |
| 0D09025-CAL4 | 100 | 632681E+07 | 163268.100 | 10.44 |
| 0D09025-CAL5 | 250 | 881429E+07 | 155257.200 | 10.44 |
| 0D09025-CAL6 | 500 | 944904E+07 | 178898.100 | 10.44 |
| 0D09025-CAL7 | 800 | 552356E+08 | 194044.500 | 10.44 |

AVE RF **166967.200** RF RSD **8.61** AVE RT **10.44**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D09025

Analysis Included

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

INSTRUMENT SEQUENCE LOG

| SampleID | SampleName | Matrix | STDID | ISTD_ID | Analyzed |
|--------------|-------------------|--------|---------|---------|---------------------|
| 0D09025-ICB1 | Initial Cal Blank | Water | A20C404 | | 4/9/2020 10:04:00AM |
| 0D09025-CAL1 | Cal Standard | Water | A19L280 | " | 4/9/2020 10:21:00AM |
| 0D09025-CAL2 | Cal Standard | Water | A19L281 | " | 4/9/2020 10:39:00AM |
| 0D09025-CAL3 | Cal Standard | Water | A19L282 | " | 4/9/2020 10:57:00AM |
| 0D09025-CAL4 | Cal Standard | Water | A19L283 | " | 4/9/2020 11:14:00AM |
| 0D09025-CAL5 | Cal Standard | Water | A19L276 | " | 4/9/2020 11:32:00AM |
| 0D09025-CAL6 | Cal Standard | Water | A19L278 | " | 4/9/2020 11:49:00AM |
| 0D09025-CAL7 | Cal Standard | Water | A19L279 | " | 4/9/2020 12:07:00PM |
| 0D09025-ICV1 | Initial Cal Check | Water | A20B355 | " | 4/9/2020 12:42:00PM |
| 0D09025-CAL8 | Cal Standard | Water | A20C117 | " | 4/9/2020 1:00:00PM |
| 0D09025-CAL9 | Cal Standard | Water | A20B322 | " | 4/9/2020 1:18:00PM |
| 0D09025-CALA | Cal Standard | Water | A20B323 | " | 4/9/2020 1:35:00PM |
| 0D09025-CALB | Cal Standard | Water | A20B324 | " | 4/9/2020 1:53:00PM |
| 0D09025-CALC | Cal Standard | Water | A20B325 | " | 4/9/2020 2:11:00PM |
| 0D09025-CALD | Cal Standard | Water | A20B326 | " | 4/9/2020 2:28:00PM |
| 0D09025-CALE | Cal Standard | Water | A20B327 | " | 4/9/2020 2:46:00PM |
| 0D09025-ICV2 | Initial Cal Check | Water | A20B353 | " | 4/9/2020 3:03:00PM |
| 0D09025-ICV3 | Initial Cal Check | Water | A19J367 | " | 4/9/2020 3:21:00PM |
| 0D09025-ICV4 | Initial Cal Check | Water | A20B354 | " | 4/9/2020 3:39:00PM |
| 0D09025-ICV5 | Initial Cal Check | Water | A20B130 | " | 4/9/2020 3:57:00PM |

CALIBRATION STANDARD RECOVERIES

Calibration: A0D1002

Instrument: DUALECD2R

1311/8082 TCLP PCBs

Sequence: 0D09025

Matrix: Water

| 0D09025-CAL1 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| Aroclor 1016 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 20.0 | 0 | |
| 0D09025-CAL2 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D09025

| | | | | | |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| Aroclor 1260 | 0.0000 | 0.00 | 50.0 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 50.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 50.0 | 0 | |
| 0D09025-CAL3 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 100 | 0 | |
| 0D09025-CAL4 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 200 | 0 | |
| 0D09025-CAL5 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CAL6 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 800.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 800.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1000 | 0 | |
| 0D09025-CAL7 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 800.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 800.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1500 | 0 | |
| 0D09025-CAL8 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1221 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1221 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CAL9 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1232 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1232 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CALA | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1242 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1242 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CALB | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1248 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1248 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CALC | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1254 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1254 | 0.0000 | 0.00 | 500 | 0 | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D09025

| 0D09025-CALD | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| Aroclor 1262 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1262 | 0.0000 | 0.00 | 500 | 0 | |
| 0D09025-CALE | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1268 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1268 | 0.0000 | 0.00 | 500 | 0 | |

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

Analytes With Quadratic Curve Fits

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

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

ICV RECOVERIES

Calibration: **A0D1002**

Instrument: **DUALECD2R**

8082 PCBs

Sequence: **0D09025**

Matrix: **Water**

| 0D09025-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|-----------------|-----------|-----------|---------------|-------|------|
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | 20 | 500 | 347.61 | 70 | |
| 1260 (6) | | 500 | 347.61 | 70 | |

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:04
 Operator : MJB / KAK
 Sample : 0D09025-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:20:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 A/10/20
 Clean

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|--------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.565 | 29296194 | 98.883 ng/ml |
| 62) S DCBP (S) | 10.435 | 13964037 | 83.633 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.231 | 9316 | 0.976 ng/ml |
| 3) Aroclor 1016 (2) | 6.731 | 17215 | 1.031 ng/ml |
| 4) Aroclor 1016 (3) | 6.860 | 18966 | 2.454 ng/ml |
| 5) Aroclor 1016 (4) | 6.942 | 19153 | 2.387 ng/ml |
| 6) Aroclor 1016 (5) | 6.980 | 19624 | 2.260 ng/ml |
| 7) Aroclor 1016 (6) | 7.104 | 20601 | 2.344 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) | 5.838 | 9237 | 4.266 ng/ml |
| 11) Aroclor 1221 (3) | 5.872 | 610404 | 84.508 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.872 | 610404 | 99.909 ng/ml |
| 14) Aroclor 1232 (2) | 6.231 | 9316 | 2.493 ng/ml |
| 15) Aroclor 1232 (3) | 6.731 | 17215 | 2.511 ng/ml |
| 16) Aroclor 1232 (4) | 6.942 | 19153 | 7.583 ng/ml |
| 17) Aroclor 1232 (5) | 6.980 | 19624 | 6.457 ng/ml |
| 18) Aroclor 1232 (6) | 7.104 | 20601 | 6.429 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.231 | 9316 | 1.336 ng/ml |
| 21) Aroclor 1242 (2) | 6.731 | 17215 | 1.380 ng/ml |
| 22) Aroclor 1242 (3) | 6.860 | 18966 | 3.358 ng/ml |
| 23) Aroclor 1242 (4) | 6.942 | 19153 | 3.603 ng/ml |
| 24) Aroclor 1242 (5) | 6.980 | 19624 | 3.214 ng/ml |
| 25) Aroclor 1242 (6) | 7.104 | 20601 | 3.161 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.731 | 17215 | 2.440 ng/ml |
| 28) Aroclor 1248 (2) | 6.942 | 19153 | 2.131 ng/ml |
| 29) Aroclor 1248 (3) | 6.980 | 19624 | 2.349 ng/ml |
| 30) Aroclor 1248 (4) | 7.104 | 20601 | 2.029 ng/ml |
| 31) Aroclor 1248 (5) | 7.477 | 20943 | 1.621 ng/ml |
| 32) Aroclor 1248 (6) | 7.661 | 44215 | 3.837 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.444 | 21417 | 1.661 ng/ml |
| 35) Aroclor 1254 (2) | 7.661 | 44215 | 2.163 ng/ml |
| 36) Aroclor 1254 (3) | 7.962 | 19703 | 0.892 ng/ml |
| 37) Aroclor 1254 (4) | 8.209 | 223813 | 12.895 ng/ml |
| 38) Aroclor 1254 (5) | 8.526 | 18473 | 1.116 ng/ml |
| 39) Aroclor 1254 (6) | 8.776 | 35809 | 7.125 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:04
 Operator : MJB / KAK
 Sample : 0D09025-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:20:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 41) Aroclor 1260 (1) | 8.081 | 18558 | 1.112 ng/ml |
| 42) Aroclor 1260 (2) | 8.319 | 26884 | 1.298 ng/ml |
| 43) Aroclor 1260 (3) | 8.526 | 18473 | 0.888 ng/ml |
| 44) Aroclor 1260 (4) | 8.991 | 10285 | 0.303 ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 10369 | 0.524 ng/ml |
| 46) Aroclor 1260 (6) | 9.795 | 4888 | 0.628 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.319 | 26884 | 1.652 ng/ml |
| 49) Aroclor 1262 (2) | 8.575 | 17893 | 0.819 ng/ml |
| 50) Aroclor 1262 (3) | 8.776 | 35809 | 1.995 ng/ml |
| 51) Aroclor 1262 (4) | 8.991 | 10285 | 0.266 ng/ml |
| 52) Aroclor 1262 (5) | 9.247 | 10369 | 0.444 ng/ml |
| 53) Aroclor 1262 (6) | 9.795 | 4888 | 0.470 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.776 | 35809 | 3.688 ng/ml |
| 56) Aroclor 1268 (2) | 9.247 | 10369 | 0.241 ng/ml |
| 57) Aroclor 1268 (3) | 9.307 | 7676 | 0.217 ng/ml |
| 58) Aroclor 1268 (4) | 9.516 | 313251 | 10.472 ng/ml |
| 59) Aroclor 1268 (5) | 9.795 | 4888 | 0.408 ng/ml |
| 60) Aroclor 1268 (6) | 10.134 | 595520 | 7.356 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

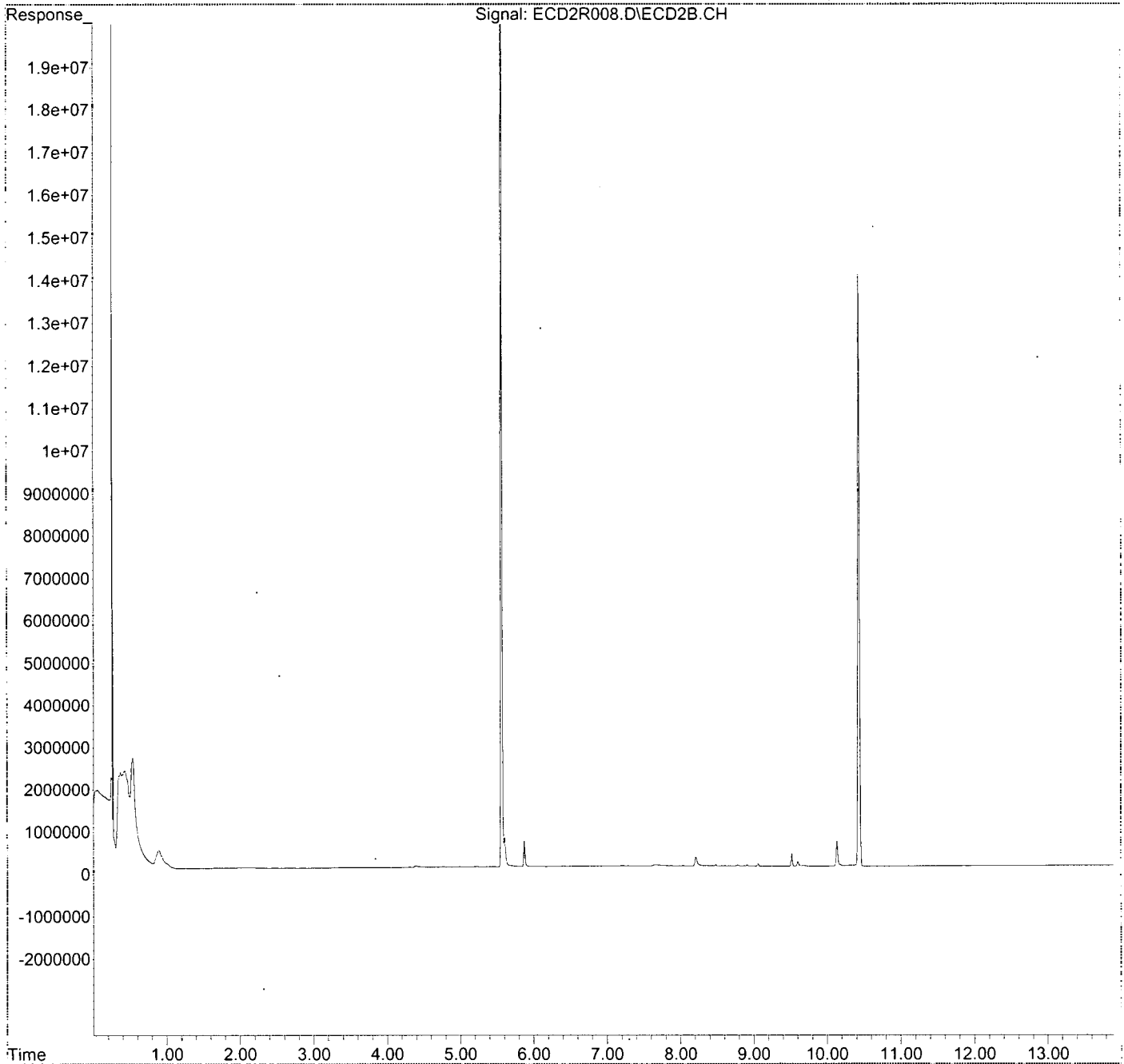
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:04
Operator : MJB / KAK
Sample : 0D09025-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:25
 Operator : MJB / KAK
 Sample : 0D09025-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:20:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/10/20
 No Carry-over

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|--------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.555 | 16421 | 0.055 ng/ml |
| 62) S DCBP (S) | 10.433 | 26143 | 0.157 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.239 | 22408 | 2.348 ng/ml |
| 3) Aroclor 1016 (2) | 6.739 | 30614 | 1.833 ng/ml |
| 4) Aroclor 1016 (3) | 6.854 | 30377 | 3.931 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 30931 | 3.855 ng/ml |
| 6) Aroclor 1016 (5) | 6.990 | 31360 | 3.611 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 33262 | 3.785 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.736 | 24023 | 10.864 ng/ml |
| 10) Aroclor 1221 (2) | 5.813 | 18667 | 8.622 ng/ml |
| 11) Aroclor 1221 (3) | 5.913 | 22543 | 3.121 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.913 | 22543 | 3.690 ng/ml |
| 14) Aroclor 1232 (2) | 6.239 | 22408 | 5.997 ng/ml |
| 15) Aroclor 1232 (3) | 6.739 | 30614 | 4.465 ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 30931 | 12.246 ng/ml |
| 17) Aroclor 1232 (5) | 6.990 | 31360 | 10.319 ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 33262 | 10.381 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.239 | 22408 | 3.214 ng/ml |
| 21) Aroclor 1242 (2) | 6.739 | 30614 | 2.453 ng/ml |
| 22) Aroclor 1242 (3) | 6.854 | 30377 | 5.379 ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 30931 | 5.819 ng/ml |
| 24) Aroclor 1242 (5) | 6.990 | 31360 | 5.136 ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 33262 | 5.103 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.739 | 30614 | 4.339 ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 30931 | 3.441 ng/ml |
| 29) Aroclor 1248 (3) | 6.990 | 31360 | 3.754 ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 33262 | 3.276 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 29504 | 2.284 ng/ml |
| 32) Aroclor 1248 (6) | 7.659 | 50232 | 4.359 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.444 | 30203 | 2.342 ng/ml |
| 35) Aroclor 1254 (2) | 7.659 | 50232 | 2.457 ng/ml |
| 36) Aroclor 1254 (3) | 7.948 | 27141 | 1.229 ng/ml |
| 37) Aroclor 1254 (4) | 8.166 | 26242 | 1.512 ng/ml |
| 38) Aroclor 1254 (5) | 8.514 | 24791 | 1.498 ng/ml |
| 39) Aroclor 1254 (6) | 8.712 | 19559 | 3.892 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:25
 Operator : MJB / KAK
 Sample : 0D09025-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:20:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|-------------|
| 41) Aroclor 1260 (1) | 8.081 | 27494 | 1.648 ng/ml |
| 42) Aroclor 1260 (2) | 8.301 | 34858 | 1.683 ng/ml |
| 43) Aroclor 1260 (3) | 8.514 | 24791 | 1.191 ng/ml |
| 44) Aroclor 1260 (4) | 8.994 | 18810 | 0.554 ng/ml |
| 45) Aroclor 1260 (5) | 9.245 | 13909 | 0.703 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 11521 | 1.480 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.301 | 34858 | 2.142 ng/ml |
| 49) Aroclor 1262 (2) | 8.586 | 23322 | 1.068 ng/ml |
| 50) Aroclor 1262 (3) | 8.777 | 37748 | 2.103 ng/ml |
| 51) Aroclor 1262 (4) | 8.994 | 18810 | 0.486 ng/ml |
| 52) Aroclor 1262 (5) | 9.245 | 13909 | 0.596 ng/ml |
| 53) Aroclor 1262 (6) | 9.797 | 11521 | 1.108 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.809 | 22198 | 2.286 ng/ml |
| 56) Aroclor 1268 (2) | 9.245 | 13909 | 0.323 ng/ml |
| 57) Aroclor 1268 (3) | 9.316 | 11312 | 0.319 ng/ml |
| 58) Aroclor 1268 (4) | 9.524 | 10975 | 0.367 ng/ml |
| 59) Aroclor 1268 (5) | 9.797 | 11521 | 0.962 ng/ml |
| 60) Aroclor 1268 (6) | 10.137 | 10576 | 0.131 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

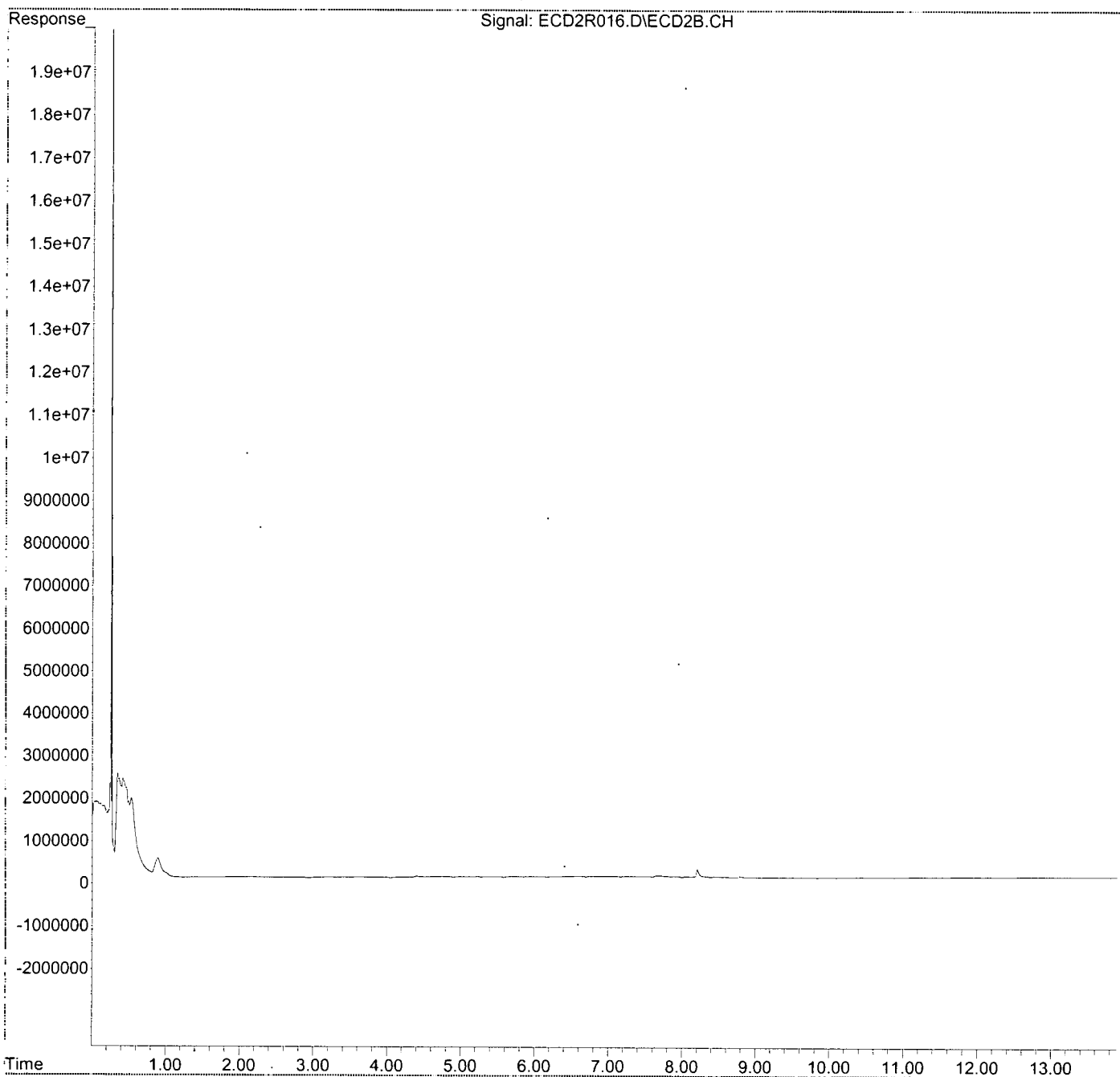
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:25
Operator : MJB / KAK
Sample : 0D09025-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:42
 Operator : MJB / KAK
 Sample : 0D09025-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Handwritten:
 4/10/20
 1016, 1260

Integration File: events.e
 Quant Time: Apr 10 08:20:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.566 | 60512883 | 204.249 ng/ml |
| 62) S DCBP (S) | 10.435 | 33483221 | 200.538 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 4332857 | 453.919 ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 7617312 | 456.016 ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 3536299 | 457.571 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 3453192 | 430.398 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 3757774 | 432.724 ng/ml |
| 7) Aroclor 1016 (6) | 7.110 | 3753557 | 427.129 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.741 | 303583 | 137.296 ng/ml |
| 10) Aroclor 1221 (2) | 5.814 | 560552 | 258.910 ng/ml |
| 11) Aroclor 1221 (3) | 5.901 | 2621624 | 362.955 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.901 | 2621624 | 429.098 ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 4332857 | 1159.591 ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 7617312 | 1111.016 ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 3453192 | 1367.202 ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 3757774 | 1236.533 ng/ml |
| 18) Aroclor 1232 (6) | 7.110 | 3753557 | 1171.485 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 4332857 | 621.457 ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 7617312 | 610.396 ng/ml |
| 22) Aroclor 1242 (3) | 6.852 | 3536299 | 626.141 ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 3453192 | 649.645 ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 3757774 | 615.465 ng/ml |
| 25) Aroclor 1242 (6) | 7.110 | 3753557 | 575.892 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 7617312 | 1079.688 ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 3453192 | 384.153 ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 3757774 | 449.799 ng/ml |
| 30) Aroclor 1248 (4) | 7.110 | 3753557 | 369.632 ng/ml |
| 31) Aroclor 1248 (5) | 7.474 | 766516 | 59.328 ng/ml |
| 32) Aroclor 1248 (6) | 7.632 | 3615605 | 313.755 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.451 | 3166120 | 245.509 ng/ml |
| 35) Aroclor 1254 (2) | 7.632 | 3615605 | 176.834 ng/ml |
| 36) Aroclor 1254 (3) | 7.942 | 1965601 | 88.975 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 1213400 | 69.910 ng/ml |
| 38) Aroclor 1254 (5) | 8.516 | 11570211 | 699.299 ng/ml |
| 39) Aroclor 1254 (6) | 8.732 | 1274625 | 253.605 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Handwritten: 442.960

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:42
 Operator : MJB / KAK
 Sample : 0D09025-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:20:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|---------------|
| 41) Aroclor 1260 (1) | 8.077 | 8624569 | 516.925 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 9538251 | 460.412 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 11570211 | 555.901 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 15001059 | 441.858 ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 9169394 | 463.291 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 2705827 | 347.611 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.284 | 9538251 | 586.222 ng/ml |
| 49) Aroclor 1262 (2) | 8.585 | 6202809 | 284.031 ng/ml |
| 50) Aroclor 1262 (3) | 8.761 | 6837975 | 380.993 ng/ml |
| 51) Aroclor 1262 (4) | 8.995 | 15001059 | 387.851 ng/ml |
| 52) Aroclor 1262 (5) | 9.247 | 9169394 | 392.870 ng/ml |
| 53) Aroclor 1262 (6) | 9.797 | 2705827 | 260.232 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.802 | 439387 | 45.258 ng/ml |
| 56) Aroclor 1268 (2) | 9.247 | 9169394 | 212.740 ng/ml |
| 57) Aroclor 1268 (3) | 9.309 | 2817654 | 79.537 ng/ml |
| 58) Aroclor 1268 (4) | 9.517 | 358969 | 12.000 ng/ml |
| 59) Aroclor 1268 (5) | 9.797 | 2705827 | 226.032 ng/ml |
| 60) Aroclor 1268 (6) | 10.134 | 884088 | 10.920 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

464.333

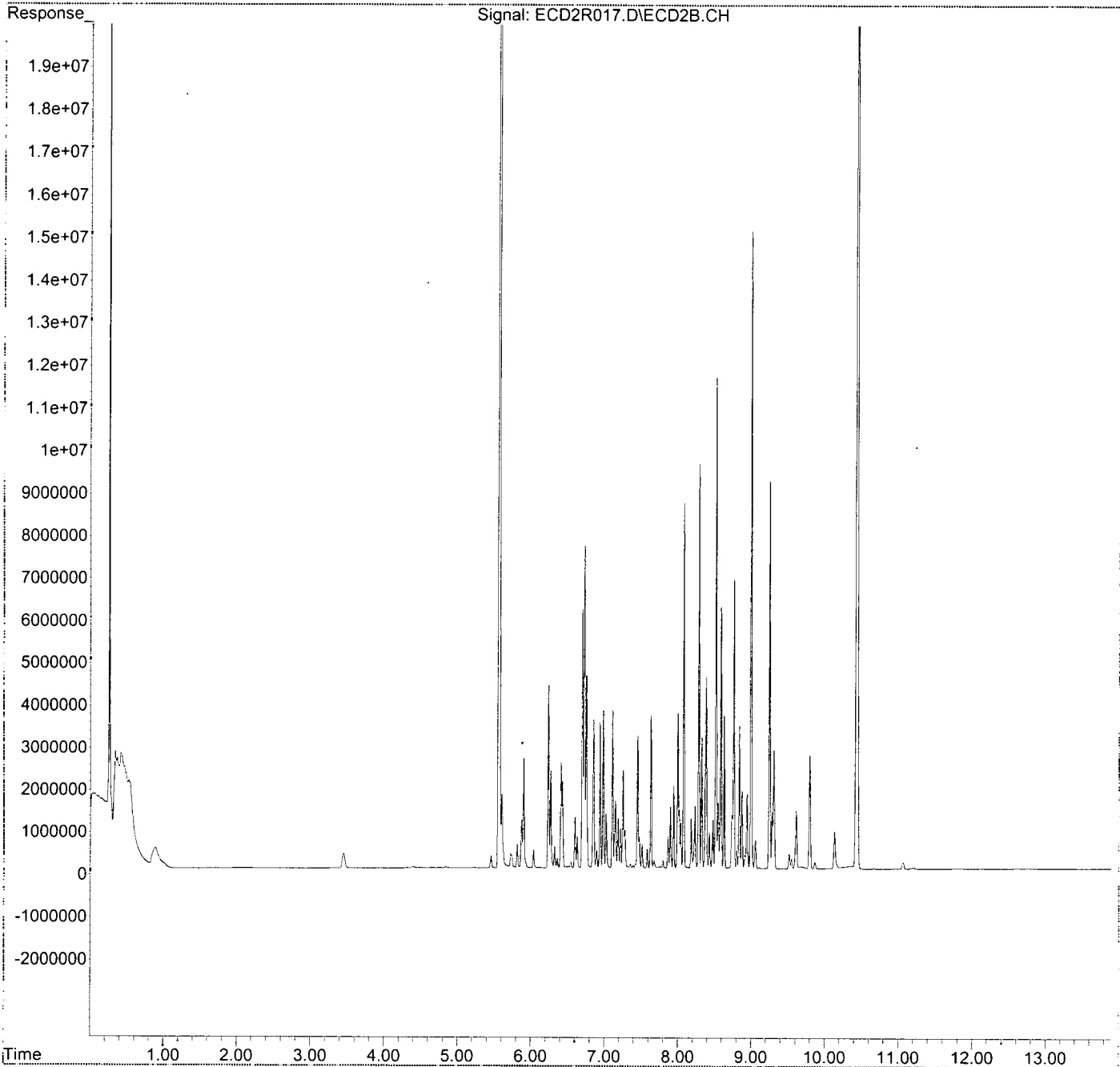
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:42
Operator : MJB / KAK
Sample : 0D09025-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:03
 Operator : MJB / KAK
 Sample : 0D09025-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:21:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/10/20
 1221, 1254

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 11334405 | 38.257 ng/ml |
| 62) S DCBP (S) | 10.436 | 13366401 | 80.054 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 799786 | 83.787 ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 1218215 | 72.929 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 596626 | 77.199 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 4124565 | 514.076 ng/ml |
| 6) Aroclor 1016 (5) | 6.985 | 1531516 | 176.361 ng/ml |
| 7) Aroclor 1016 (6) | 7.110 | 2583087 | 293.937 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.742 | 2170164 | 981.463 ng/ml |
| 10) Aroclor 1221 (2) | 5.815 | 2188157 | 1010.673 ng/ml |
| 11) Aroclor 1221 (3) | 5.902 | 6961535 | 963.801 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.902 | 6961535 | 1139.438 ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 799786 | 214.045 ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 1218215 | 177.682 ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 4124565 | 1633.015 ng/ml |
| 17) Aroclor 1232 (5) | 6.985 | 1531516 | 503.960 ng/ml |
| 18) Aroclor 1232 (6) | 7.110 | 2583087 | 806.181 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 799786 | 114.712 ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 1218215 | 97.619 ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 596626 | 105.639 ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 4124565 | 775.950 ng/ml |
| 24) Aroclor 1242 (5) | 6.985 | 1531516 | 250.839 ng/ml |
| 25) Aroclor 1242 (6) | 7.110 | 2583087 | 396.312 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 1218215 | 172.671 ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 4124565 | 458.840 ng/ml |
| 29) Aroclor 1248 (3) | 6.985 | 1531516 | 183.320 ng/ml |
| 30) Aroclor 1248 (4) | 7.110 | 2583087 | 254.370 ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 4024379 | 311.483 ng/ml |
| 32) Aroclor 1248 (6) | 7.633 | 11153012 | 967.836 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.452 | 6868280 | 532.584 ng/ml |
| 35) Aroclor 1254 (2) | 7.633 | 11153012 | 545.478 ng/ml |
| 36) Aroclor 1254 (3) | 7.943 | 11377209 | 515.003 ng/ml |
| 37) Aroclor 1254 (4) | 8.182 | 8306156 | 478.558 ng/ml |
| 38) Aroclor 1254 (5) | 8.515 | 8810306 | 532.491 ng/ml |
| 39) Aroclor 1254 (6) | 8.745 | 2404148 | 478.339 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Handwritten: 985.312

Handwritten: 513.742

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:03
 Operator : MJB / KAK
 Sample : 0D09025-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:21:09 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc | Units |
|------------------------|--------|----------|---------|-------|
| 41) Aroclor 1260 (1) | 8.079 | 4150465 | 248.764 | ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 5099625 | 246.159 | ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 8810306 | 423.299 | ng/ml |
| 44) Aroclor 1260 (4) | 8.997 | 1513422 | 44.578 | ng/ml |
| 45) Aroclor 1260 (5) | 9.248 | 1157367 | 58.477 | ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 90886 | 11.676 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 8.285 | 5099625 | 313.423 | ng/ml |
| 49) Aroclor 1262 (2) | 8.585 | 508777 | 23.297 | ng/ml |
| 50) Aroclor 1262 (3) | 8.745 | 2404148 | 133.953 | ng/ml |
| 51) Aroclor 1262 (4) | 8.997 | 1513422 | 39.129 | ng/ml |
| 52) Aroclor 1262 (5) | 9.248 | 1157367 | 49.588 | ng/ml |
| 53) Aroclor 1262 (6) | 9.797 | 90886 | 8.741 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.805 | 68911 | 7.098 | ng/ml |
| 56) Aroclor 1268 (2) | 9.248 | 1157367 | 26.852 | ng/ml |
| 57) Aroclor 1268 (3) | 9.309 | 96043 | 2.711 | ng/ml |
| 58) Aroclor 1268 (4) | 9.519 | 76033 | 2.542 | ng/ml |
| 59) Aroclor 1268 (5) | 9.797 | 90886 | 7.592 | ng/ml |
| 60) Aroclor 1268 (6) | 10.139 | 92889 | 1.147 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

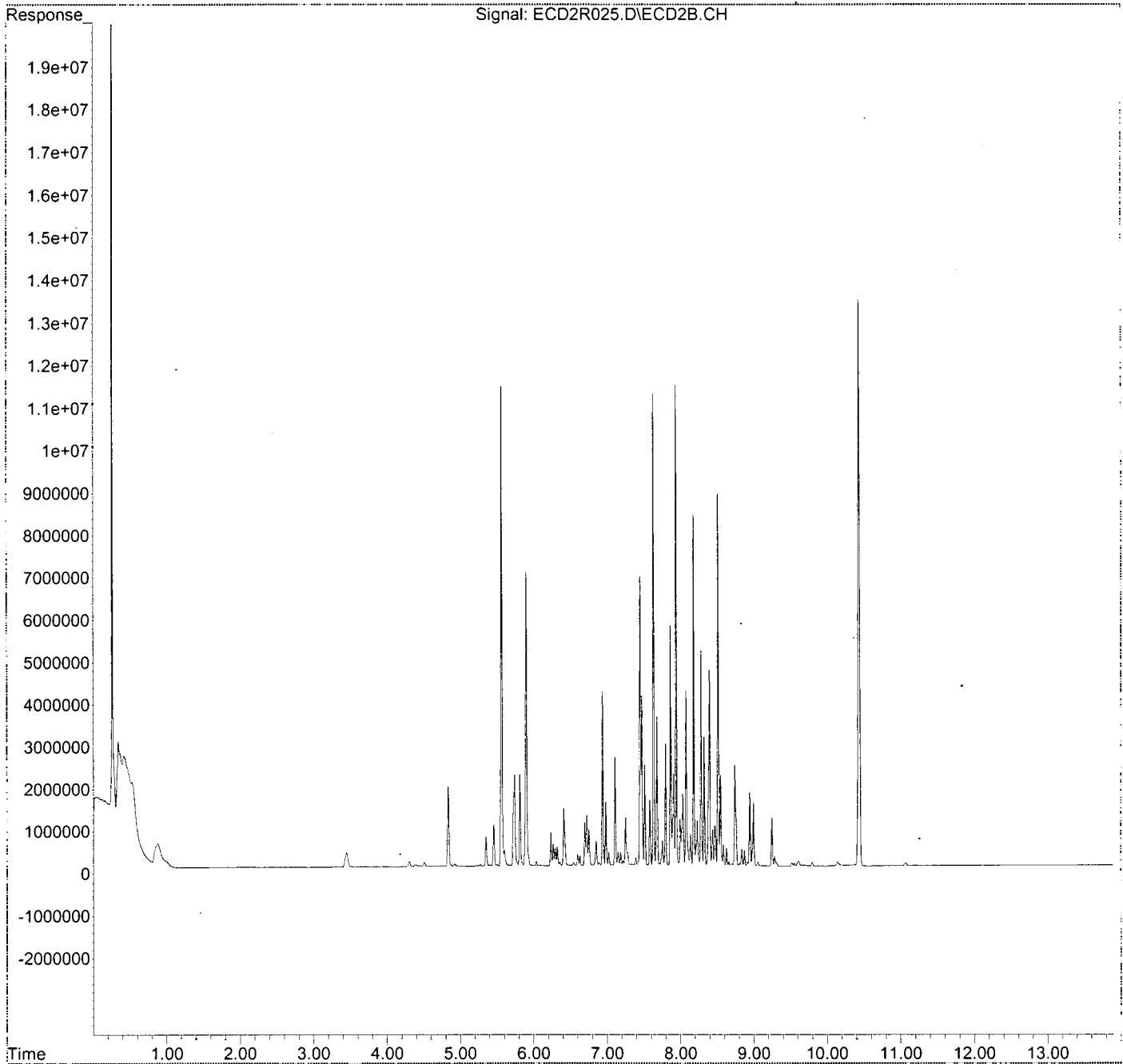
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:03
Operator : MJB / KAK
Sample : 0D09025-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:21
 Operator : MJB / KAK
 Sample : 0D09025-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:21:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/10/20
 1232, 1262

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.563 | 11817153 | 39.886 ng/ml |
| 62) S DCBP (S) | 10.435 | 14326098 | 85.802 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 2121629 | 222.266 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 3827818 | 229.155 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 1732392 | 224.159 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 1576462 | 196.487 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 1715640 | 197.563 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 1797073 | 204.494 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.742 | 787547 | 356.171 ng/ml |
| 10) Aroclor 1221 (2) | 5.815 | 886957 | 409.671 ng/ml |
| 11) Aroclor 1221 (3) | 5.902 | 3262339 | 451.660 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.902 | 3262339 | 533.967 ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 2121629 | 567.806 ng/ml |
| 15) Aroclor 1232 (3) | 6.727 | 3827818 | 558.303 ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 1576462 | 624.160 ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 1715640 | 564.548 ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 1797073 | 560.866 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 2121629 | 304.303 ng/ml |
| 21) Aroclor 1242 (2) | 6.727 | 3827818 | 306.734 ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 1732392 | 306.739 ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 1576462 | 296.578 ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 1715640 | 280.995 ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 1797073 | 275.717 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.727 | 3827818 | 542.560 ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 1576462 | 175.375 ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 1715640 | 205.359 ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 1797073 | 176.967 ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 2141613 | 165.759 ng/ml |
| 32) Aroclor 1248 (6) | 7.632 | 2804479 | 243.367 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 7.454 | 2036161 | 157.889 ng/ml |
| 35) Aroclor 1254 (2) | 7.632 | 2804479 | 137.163 ng/ml |
| 36) Aroclor 1254 (3) | 7.943 | 1123917 | 50.875 ng/ml |
| 37) Aroclor 1254 (4) | 8.181 | 908720 | 52.356 ng/ml |
| 38) Aroclor 1254 (5) | 8.517 | 6949421 | 420.020 ng/ml |
| 39) Aroclor 1254 (6) | 8.731 | 2038054 | 405.499 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Handwritten: 568.275

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:21
 Operator : MJB / KAK
 Sample : 0D09025-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:21:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|---------------|
| 41) Aroclor 1260 (1) | 8.078 | 7270646 | 435.776 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 8543883 | 412.414 ng/ml |
| 43) Aroclor 1260 (3) | 8.517 | 6949421 | 333.891 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 20255963 | 596.641 ng/ml |
| 45) Aroclor 1260 (5) | 9.248 | 12399772 | 626.508 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 5544943 | 712.345 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.285 | 8543883 | 525.108 ng/ml |
| 49) Aroclor 1262 (2) | 8.585 | 11714626 | 536.421 ng/ml |
| 50) Aroclor 1262 (3) | 8.761 | 9328522 | 519.760 ng/ml |
| 51) Aroclor 1262 (4) | 8.996 | 20255963 | 523.716 ng/ml |
| 52) Aroclor 1262 (5) | 9.248 | 12399772 | 531.278 ng/ml |
| 53) Aroclor 1262 (6) | 9.797 | 5544943 | 533.283 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.802 | 1281000 | 131.948 ng/ml |
| 56) Aroclor 1268 (2) | 9.248 | 12399772 | 287.689 ng/ml |
| 57) Aroclor 1268 (3) | 9.309 | 6608679 | 186.551 ng/ml |
| 58) Aroclor 1268 (4) | 9.517 | 507338 | 16.960 ng/ml |
| 59) Aroclor 1268 (5) | 9.797 | 5544943 | 463.198 ng/ml |
| 60) Aroclor 1268 (6) | 10.133 | 1731126 | 21.383 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

528.261

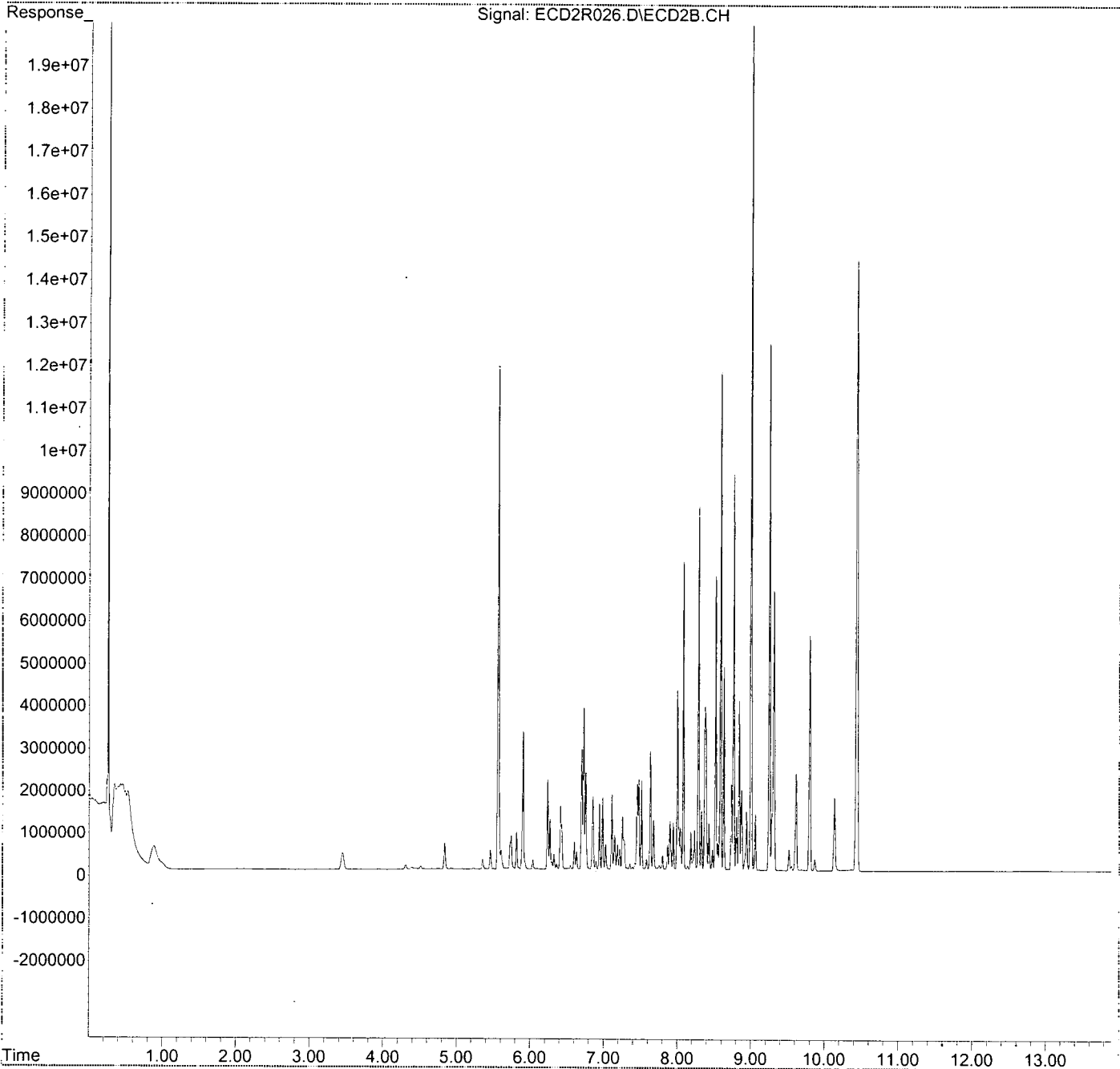
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:21
Operator : MJB / KAK
Sample : 0D09025-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:39
 Operator : MJB / KAK
 Sample : 0D09025-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

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 4/10/20
 1242, 1268

Integration File: events.e
 Quant Time: Apr 10 08:21:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 12585355 | 42.479 | ng/ml |
| 62) S DCBP (S) | 10.435 | 6428255 | 38.500 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 3746947 | 392.538 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 6581940 | 394.033 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 2956848 | 382.594 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 2880563 | 359.027 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 3181922 | 366.412 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 3432453 | 390.589 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.741 | 273131 | 123.524 | ng/ml |
| 10) Aroclor 1221 (2) | 5.815 | 517885 | 239.203 | ng/ml |
| 11) Aroclor 1221 (3) | 5.902 | 2347202 | 324.962 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.902 | 2347202 | 384.181 | ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 3746947 | 1002.786 | ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 6581940 | 960.002 | ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 2880563 | 1140.485 | ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 3181922 | 1047.043 | ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 3432453 | 1071.268 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 3746947 | 537.421 | ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 6581940 | 527.429 | ng/ml |
| 22) Aroclor 1242 (3) | 6.853 | 2956848 | 523.543 | ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 2880563 | 541.917 | ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 3181922 | 521.150 | ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 3432453 | 526.627 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 6581940 | 932.933 | ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 2880563 | 320.450 | ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 3181922 | 380.870 | ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 3432453 | 338.011 | ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 3838402 | 297.089 | ng/ml |
| 32) Aroclor 1248 (6) | 7.630 | 3019904 | 262.061 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.457 | 2512288 | 194.809 | ng/ml |
| 35) Aroclor 1254 (2) | 7.630 | 3019904 | 147.699 | ng/ml |
| 36) Aroclor 1254 (3) | 7.942 | 1129099 | 51.110 | ng/ml |
| 37) Aroclor 1254 (4) | 8.182 | 851940 | 49.084 | ng/ml |
| 38) Aroclor 1254 (5) | 8.517 | 251271 | 15.187 | ng/ml |
| 39) Aroclor 1254 (6) | 8.732 | 212961 | 42.372 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Handwritten: 529.681

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R027.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:39
 Operator : MJB / KAK
 Sample : 0D09025-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:21:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|----------------|
| 41) Aroclor 1260 (1) | 8.077 | 115912 | 6.947 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 200391 | 9.673 ng/ml |
| 43) Aroclor 1260 (3) | 8.517 | 251271 | 12.073 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 2340587 | 68.942 ng/ml |
| 45) Aroclor 1260 (5) | 9.249 | 21573068 | 1089.996 ng/ml |
| 46) Aroclor 1260 (6) | 9.798 | 5981386 | 768.414 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 200391 | 12.316 ng/ml |
| 49) Aroclor 1262 (2) | 8.584 | 4299300 | 196.868 ng/ml |
| 50) Aroclor 1262 (3) | 8.762 | 356777 | 19.879 ng/ml |
| 51) Aroclor 1262 (4) | 8.996 | 2340587 | 60.516 ng/ml |
| 52) Aroclor 1262 (5) | 9.249 | 21573068 | 924.314 ng/ml |
| 53) Aroclor 1262 (6) | 9.798 | 5981386 | 575.258 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.803 | 4831559 | 497.669 ng/ml |
| 56) Aroclor 1268 (2) | 9.249 | 21573068 | 500.519 ng/ml |
| 57) Aroclor 1268 (3) | 9.313 | 17877819 | 504.657 ng/ml |
| 58) Aroclor 1268 (4) | 9.518 | 14747837 | 493.020 ng/ml |
| 59) Aroclor 1268 (5) | 9.798 | 5981386 | 499.656 ng/ml |
| 60) Aroclor 1268 (6) | 10.136 | 40875059 | 504.898 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

500.070

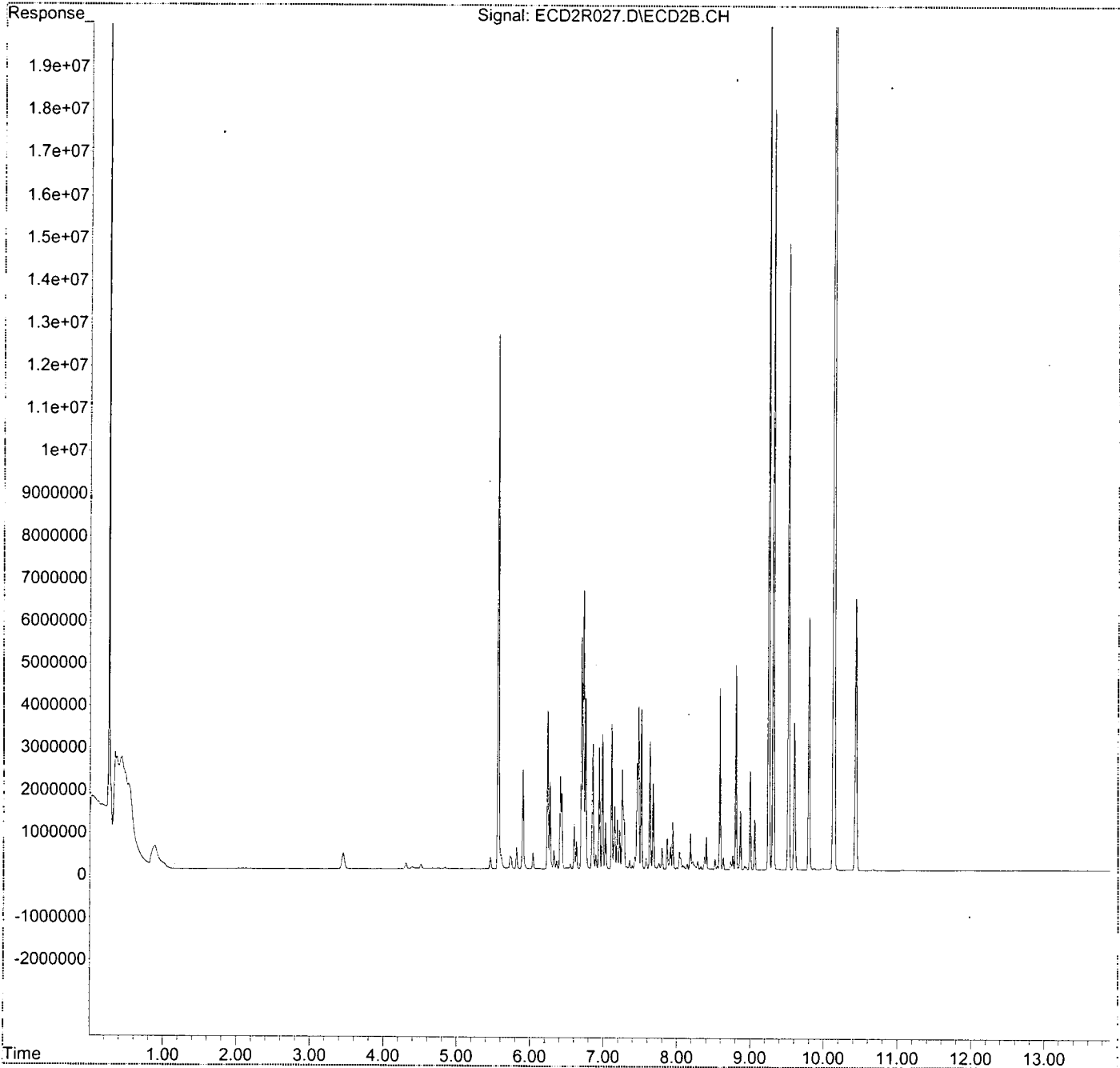
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:39
Operator : MJB / KAK
Sample : 0D09025-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R028.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:57
 Operator : MJB / KAK
 Sample : 0D09025-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

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 1248

Integration File: events.e
 Quant Time: Apr 10 08:22:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.565 | 5147 | 0.017 | ng/ml |
| 62) S DCBP (S) | 10.433 | 5552 | 0.033 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 1921330 | 201.283 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 3627052 | 217.136 | ng/ml |
| 4) Aroclor 1016 (3) | 6.851 | 1624260 | 210.167 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 5031144 | 627.070 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 4597862 | 529.464 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 5493300 | 625.099 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.742 | 36971 | 16.720 | ng/ml |
| 10) Aroclor 1221 (2) | 5.814 | 52957 | 24.460 | ng/ml |
| 11) Aroclor 1221 (3) | 5.901 | 279735 | 38.728 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.901 | 279735 | 45.786 | ng/ml |
| 14) Aroclor 1232 (2) | 6.237 | 1921330 | 514.201 | ng/ml |
| 15) Aroclor 1232 (3) | 6.726 | 3627052 | 529.020 | ng/ml |
| 16) Aroclor 1232 (4) | 6.940 | 5031144 | 1991.952 | ng/ml |
| 17) Aroclor 1232 (5) | 6.984 | 4597862 | 1512.972 | ng/ml |
| 18) Aroclor 1232 (6) | 7.109 | 5493300 | 1714.458 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 6.237 | 1921330 | 275.574 | ng/ml |
| 21) Aroclor 1242 (2) | 6.726 | 3627052 | 290.646 | ng/ml |
| 22) Aroclor 1242 (3) | 6.851 | 1624260 | 287.593 | ng/ml |
| 23) Aroclor 1242 (4) | 6.940 | 5031144 | 946.504 | ng/ml |
| 24) Aroclor 1242 (5) | 6.984 | 4597862 | 753.059 | ng/ml |
| 25) Aroclor 1242 (6) | 7.109 | 5493300 | 842.814 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.726 | 3627052 | 514.103 | ng/ml |
| 28) Aroclor 1248 (2) | 6.940 | 5031144 | 559.693 | ng/ml |
| 29) Aroclor 1248 (3) | 6.984 | 4597862 | 550.356 | ng/ml |
| 30) Aroclor 1248 (4) | 7.109 | 5493300 | 540.954 | ng/ml |
| 31) Aroclor 1248 (5) | 7.475 | 7102773 | 549.748 | ng/ml |
| 32) Aroclor 1248 (6) | 7.631 | 6140621 | 532.870 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 7.456 | 4784689 | 371.017 | ng/ml |
| 35) Aroclor 1254 (2) | 7.631 | 6140621 | 300.329 | ng/ml |
| 36) Aroclor 1254 (3) | 7.942 | 3630672 | 164.347 | ng/ml |
| 37) Aroclor 1254 (4) | 8.182 | 2516949 | 145.014 | ng/ml |
| 38) Aroclor 1254 (5) | 8.515 | 587086 | 35.483 | ng/ml |
| 39) Aroclor 1254 (6) | 8.745 | 223303 | 44.429 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Handwritten: 541.287

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R028.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 15:57
 Operator : MJB / KAK
 Sample : 0D09025-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:22:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|--------|----------|--------------|
| 41) Aroclor 1260 (1) | 8.078 | 332462 | 19.927 ng/ml |
| 42) Aroclor 1260 (2) | 8.282 | 446224 | 21.539 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 587086 | 28.207 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 121882 | 3.590 ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 84873 | 4.288 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 23778 | 3.055 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 8.282 | 446224 | 27.425 ng/ml |
| 49) Aroclor 1262 (2) | 8.584 | 58891 | 2.697 ng/ml |
| 50) Aroclor 1262 (3) | 8.745 | 223303 | 12.442 ng/ml |
| 51) Aroclor 1262 (4) | 8.996 | 121882 | 3.151 ng/ml |
| 52) Aroclor 1262 (5) | 9.247 | 84873 | 3.636 ng/ml |
| 53) Aroclor 1262 (6) | 9.797 | 23778 | 2.287 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.804 | 13013 | 1.340 ng/ml |
| 56) Aroclor 1268 (2) | 9.247 | 84873 | 1.969 ng/ml |
| 57) Aroclor 1268 (3) | 9.310 | 26282 | 0.742 ng/ml |
| 58) Aroclor 1268 (4) | 9.518 | 3996 | 0.134 ng/ml |
| 59) Aroclor 1268 (5) | 9.797 | 23778 | 1.986 ng/ml |
| 60) Aroclor 1268 (6) | 10.135 | 9057 | 0.112 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

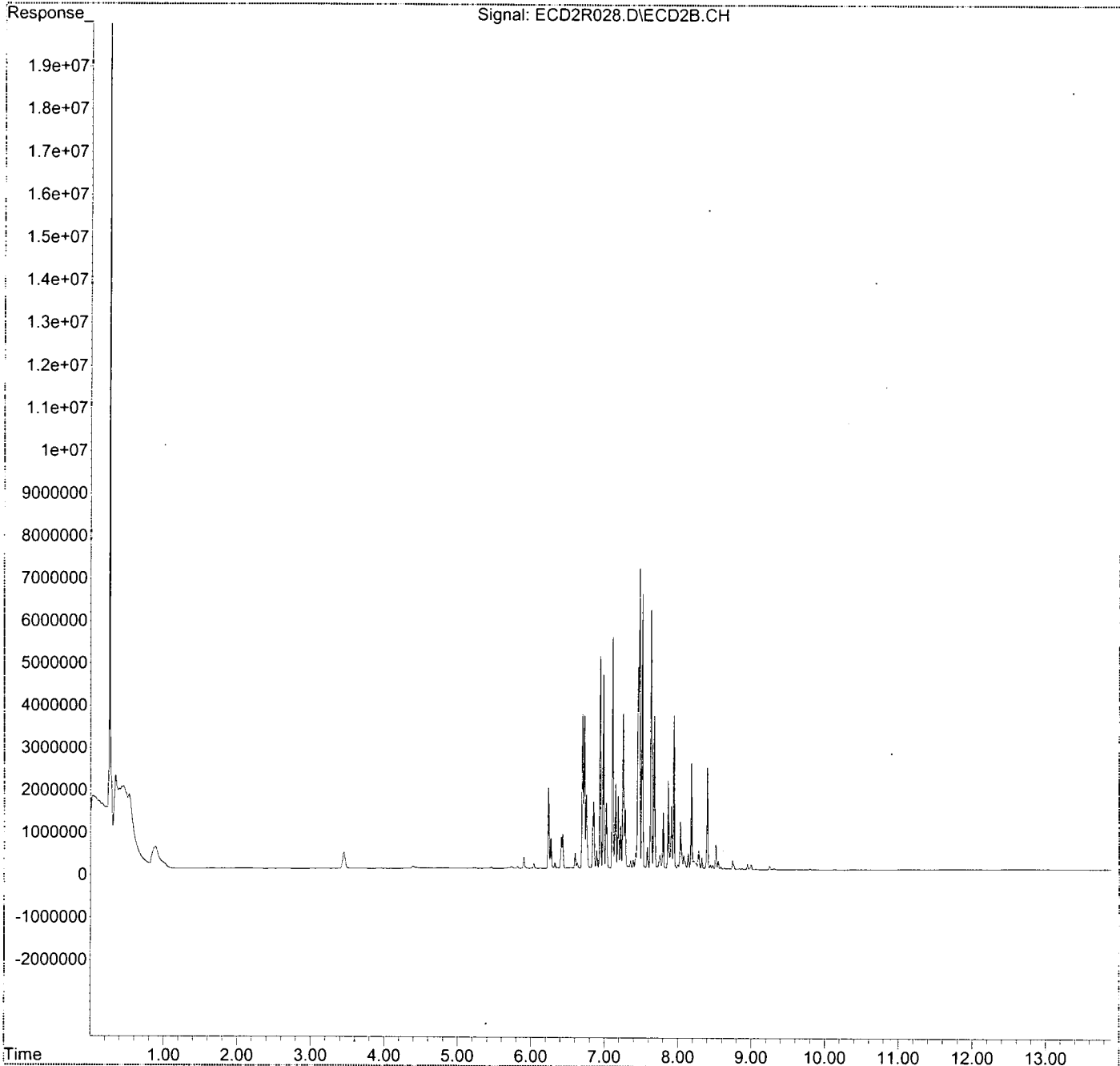
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R028.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:57
Operator : MJB / KAK
Sample : 0D09025-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:22:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:21
 Operator : MJB / KAK
 Sample : 0D09025-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:00:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 A/10/20

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.565 | 2858806 | 9.649 ng/ml ✓ |
| 62) S DCBP (S) | 10.434 | 1549703 | 9.281 ng/ml ✓ |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 228305 | 23.918 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 366826 | 21.960 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 181221 | 23.449 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 199876 | 24.912 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 209118 | 24.081 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 208459 | 23.721 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD09025\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:21
 Operator : MJB / KAK
 Sample : OD09025-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:00:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|--------------|
| 41) Aroclor 1260 (1) | 8.078 | 372718 | 22.339 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 463394 | 22.368 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 429034 | 20.613 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 664701 | 19.579 ng/ml |
| 45) Aroclor 1260 (5) | 9.246 | 406889 | 20.558 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 174890 | 22.468 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

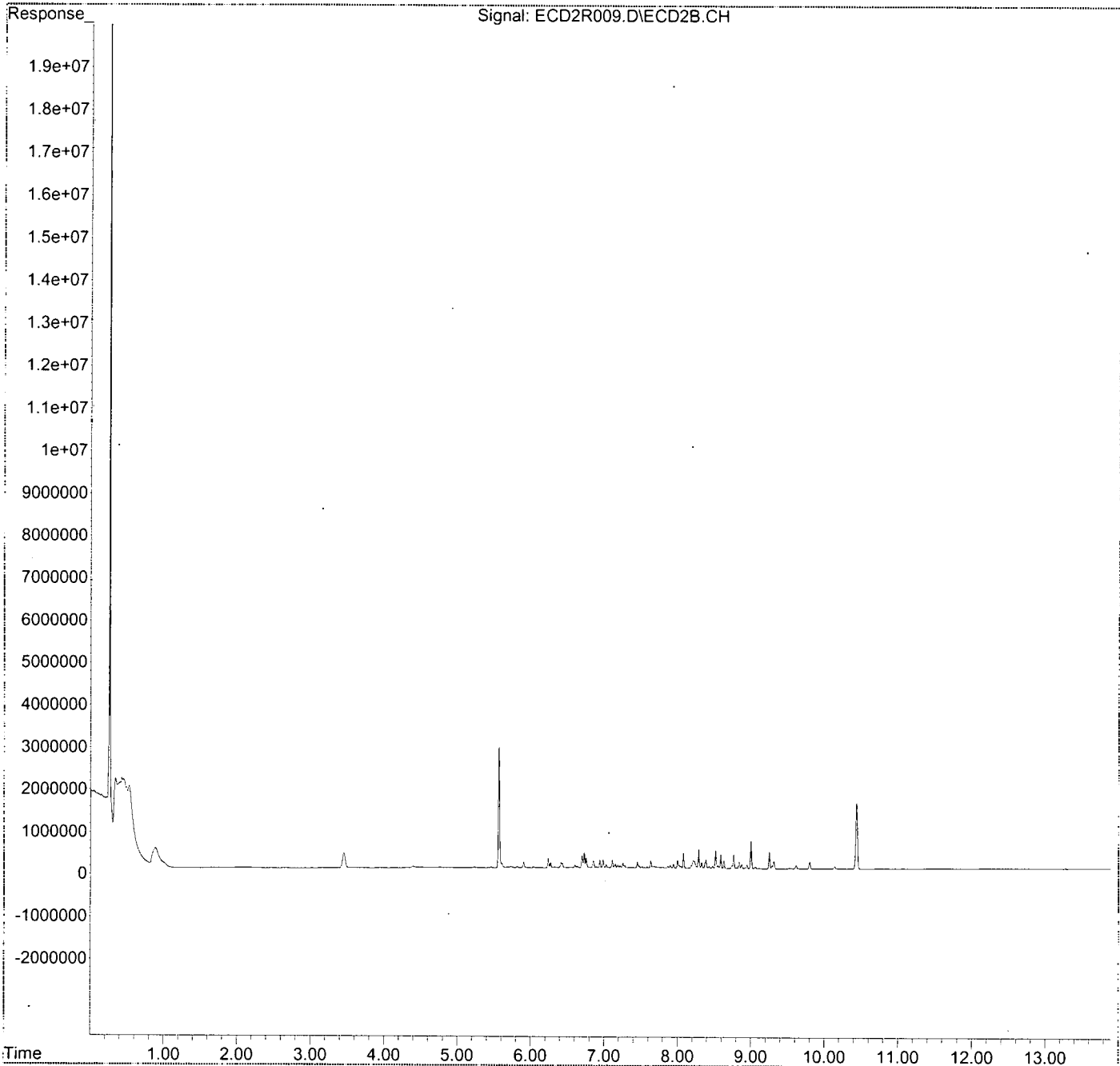
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:00:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:39
 Operator : MJB / KAK
 Sample : 0D09025-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:02:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/10/20

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|----------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 7524886 | 25.399 ng/ml ✓ |
| 62) S DCBP (S) | 10.434 | 4063177 | 24.335 ng/ml ✓ |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 530680 | 55.595 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 879396 | 52.646 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 424935 | 54.983 ng/ml ✓ |
| 5) Aroclor 1016 (4) | 6.940 | 445575 | 55.535 ng/ml |
| 6) Aroclor 1016 (5) | 6.985 | 471840 | 54.334 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 485922 | 55.295 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:39
 Operator : MJB / KAK
 Sample : 0D09025-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:02:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|--------------|
| 41) Aroclor 1260 (1) | 8.079 | 883425 | 52.949 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 1086953 | 52.467 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 1074479 | 51.624 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 1693246 | 49.875 ng/ml |
| 45) Aroclor 1260 (5) | 9.248 | 1024587 | 51.768 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 422432 | 54.269 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

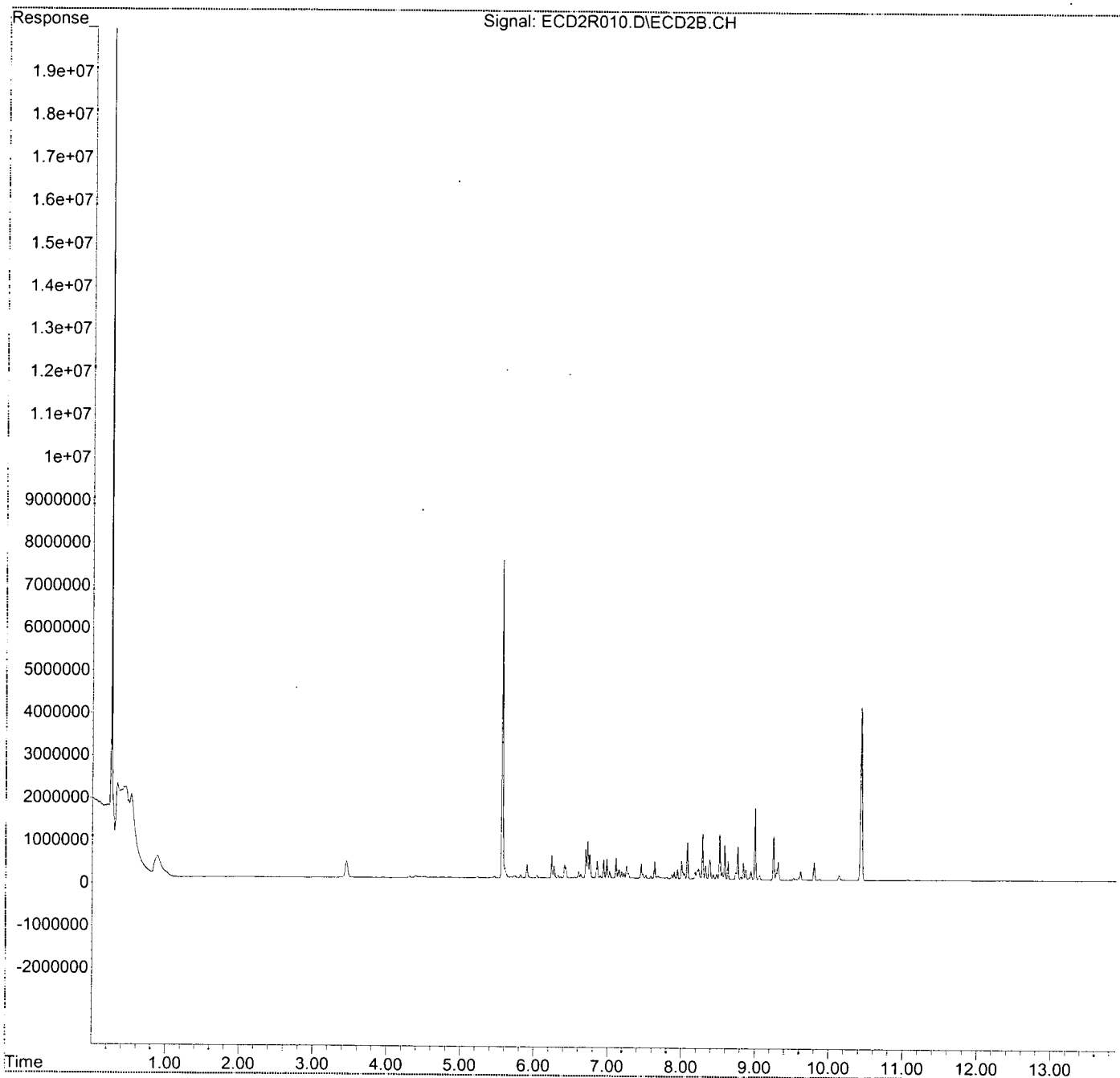
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:02:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:57
 Operator : MJB / KAK
 Sample : 0D09025-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:03:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/10/20

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|---------|---------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 14967170 | 50.519 | ng/ml ✓ |
| 62) S DCBP (S) | 10.434 | 7990254 | 47.855 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 986411 | 103.338 | ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 1656065 | 99.142 | ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 779857 | 100.908 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 824102 | 102.714 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 893465 | 102.886 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 891768 | 101.477 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:57
 Operator : MJB / KAK
 Sample : 0D09025-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:03:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 41) Aroclor 1260 (1) | 8.077 | 1717489 | 102.940 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 2050232 | 98.965 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 2071243 | 99.515 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 3321616 | 97.839 ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 1924731 | 97.249 ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 759405 | 97.559 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

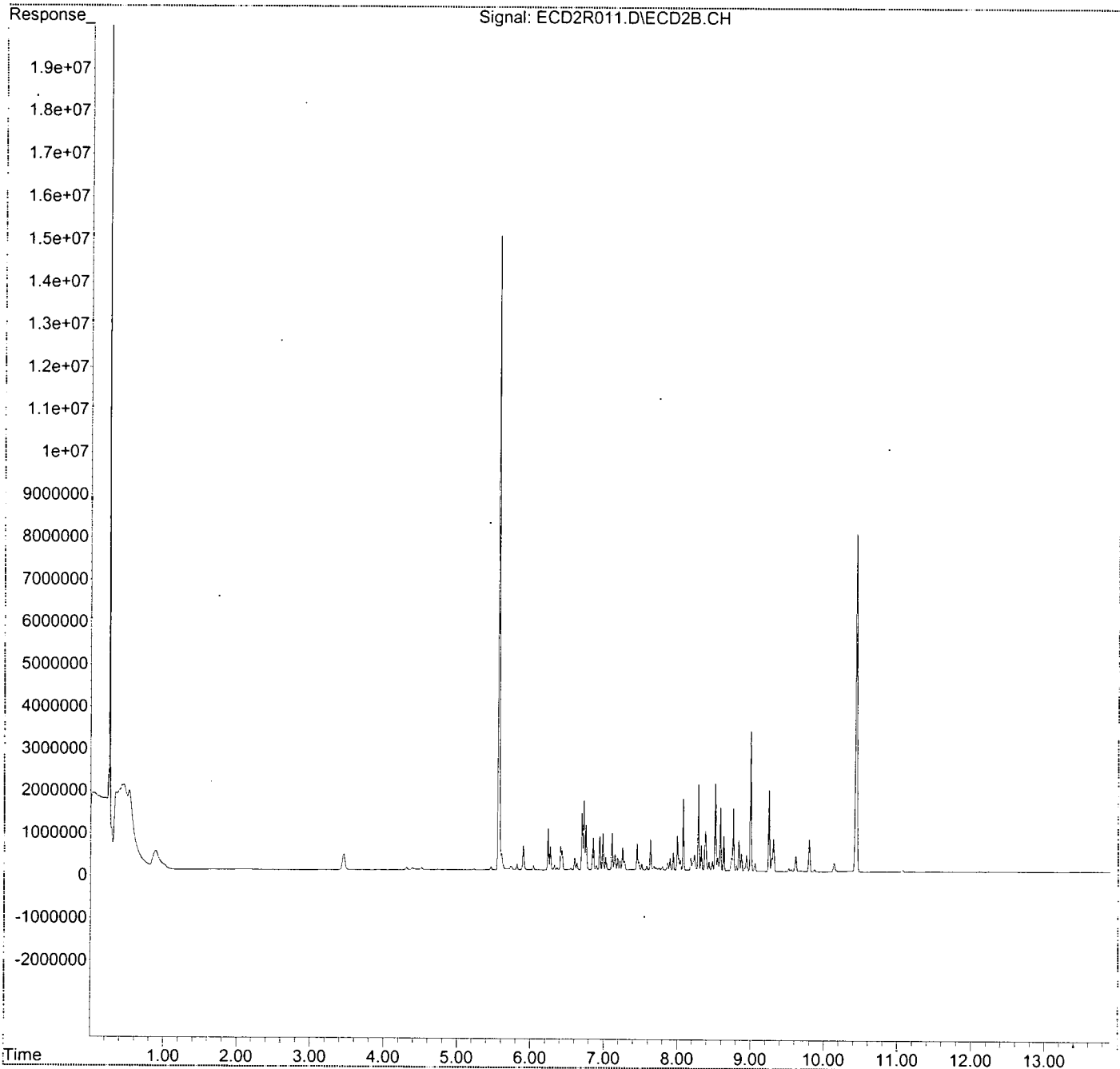
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:03:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:14
 Operator : MJB / KAK
 Sample : 0D09025-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/10/20

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|---------|-----------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.564 | 30534821 | 103.064 | ng/ml ✓ |
| 62) S DCBP (S) | 10.436 | 16326808 | 97.785 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 1851871 | 194.006 | ng/ml] |
| 3) Aroclor 1016 (2) | 6.727 | 3352806 | 200.718 | ng/ml] |
| 4) Aroclor 1016 (3) | 6.853 | 1488183 | 192.560 | ng/ml] ✓ |
| 5) Aroclor 1016 (4) | 6.939 | 1563408 | 194.860 | ng/ml] |
| 6) Aroclor 1016 (5) | 6.984 | 1688096 | 194.392 | ng/ml] |
| 7) Aroclor 1016 (6) | 7.108 | 1668249 | 189.835 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:14
 Operator : MJB / KAK
 Sample : 0D09025-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc | Units |
|------------------------|-------|----------|---------|-------|
| 41) Aroclor 1260 (1) | 8.077 | 3343516 | 200.398 | ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 4034423 | 194.742 | ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 4197822 | 201.688 | ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 6907542 | 203.462 | ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 3992265 | 201.712 | ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 1500577 | 192.775 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

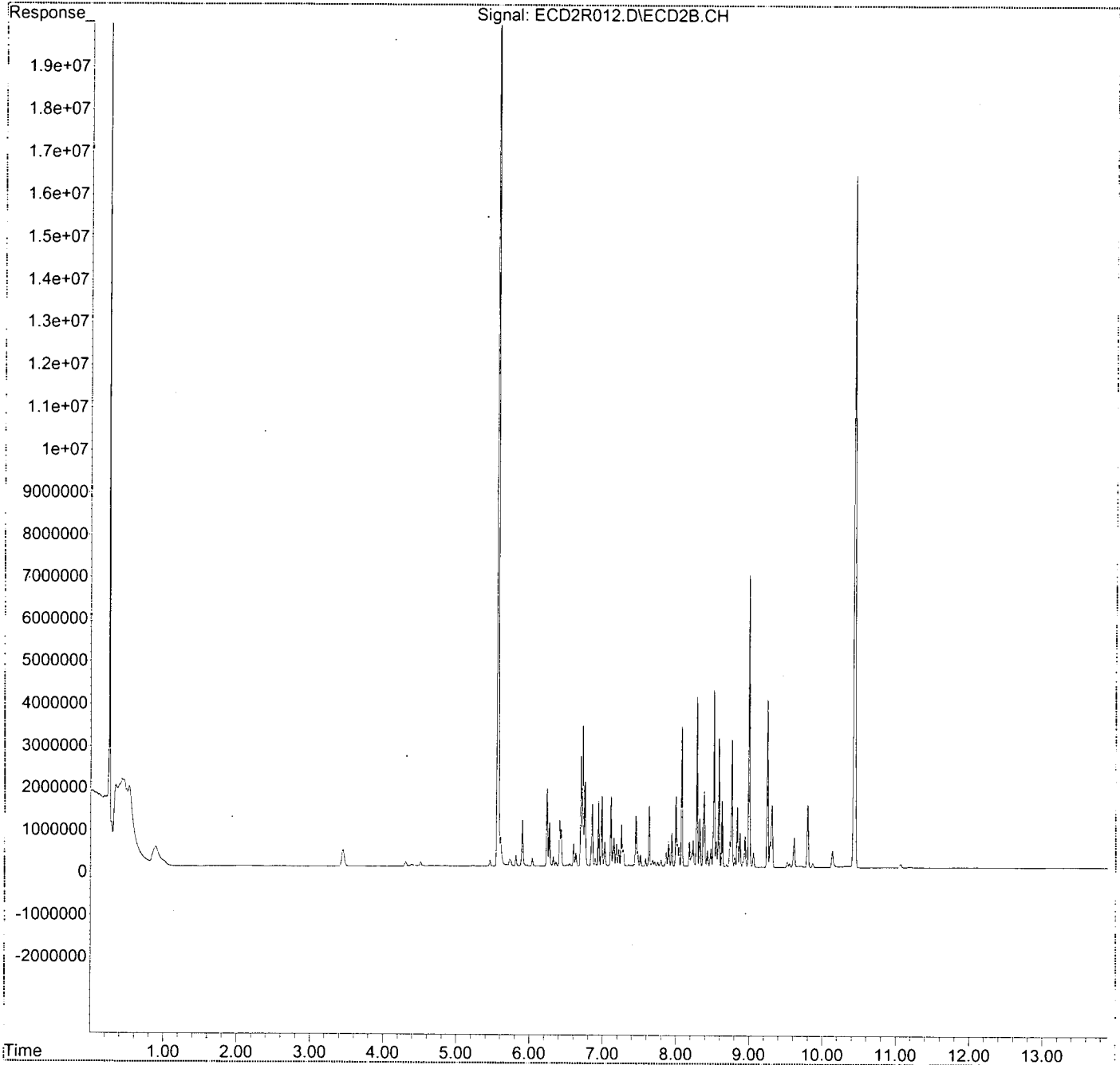
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:32
 Operator : MJB / KAK
 Sample : 0D09025-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:06:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/10/20

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|----------|---------|---------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.566 | 71791386 | 242.317 | ng/ml ✓ |
| 62) S DCBP (S) | 10.435 | 38814291 | 232.467 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 4182367 | 438.154 | ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 7715821 | 461.913 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 3521177 | 455.614 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 3462009 | 431.497 | ng/ml ✓ |
| 6) Aroclor 1016 (5) | 6.985 | 3848778 | 443.204 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 4083977 | 464.728 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:32
 Operator : MJB / KAK
 Sample : 0D09025-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:06:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 41) Aroclor 1260 (1) | 8.078 | 7596908 | 455.331 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 9854734 | 475.689 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 9824367 | 472.021 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 16362771 | 481.967 ng/ml |
| 45) Aroclor 1260 (5) | 9.248 | 9646918 | 487.418 ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 3594231 | 461.742 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

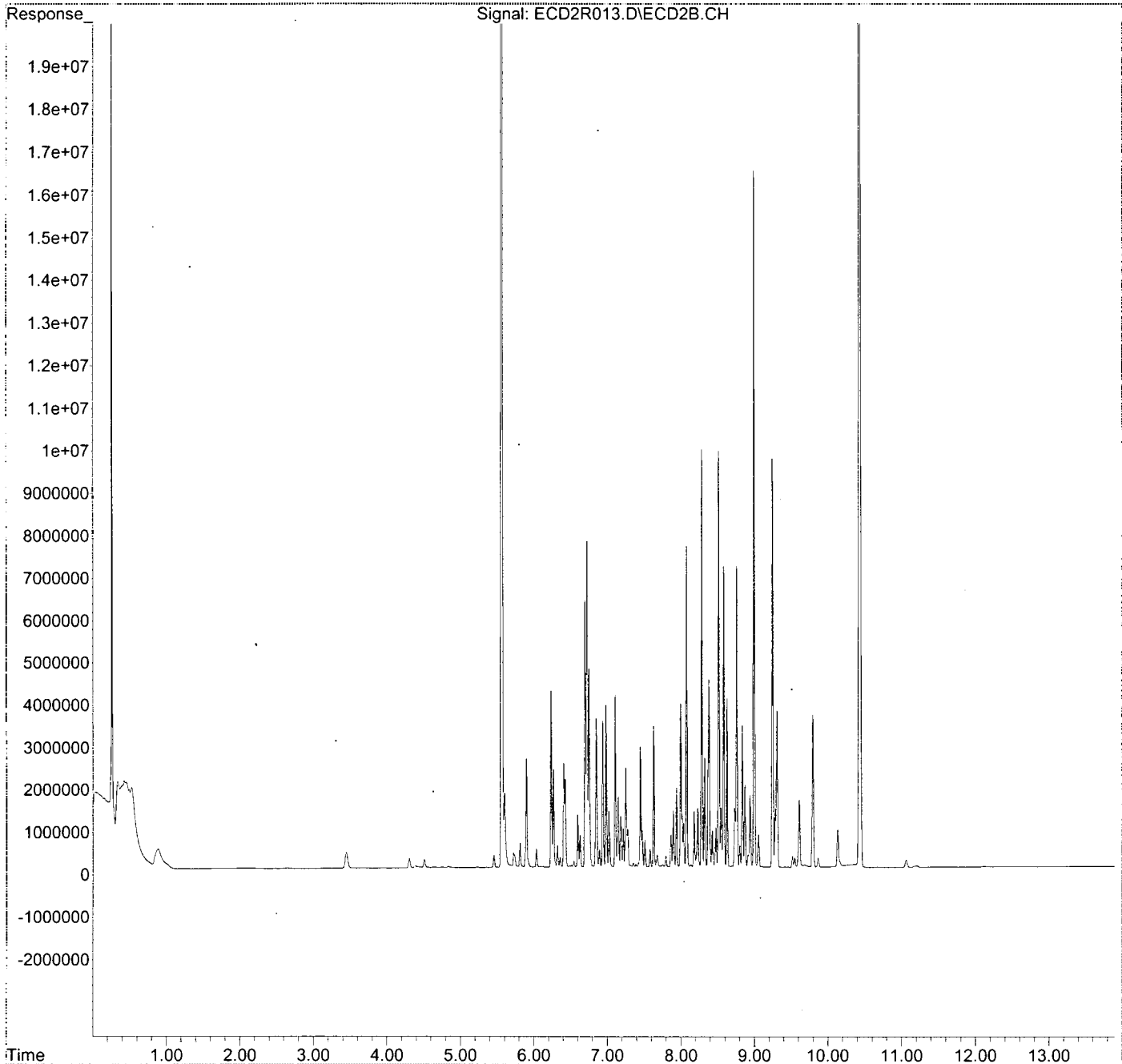
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:06:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:49
 Operator : MJB / KAK
 Sample : 0D09025-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:07:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|-----------|---------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.569 | 171348734 | 578.353 | ng/ml |
| 62) S DCBP (S) | 10.437 | 89449036 | 535.728 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 8523190 | 892.907 | ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 16205979 | 970.183 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 7188564 | 930.146 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 7244607 | 902.951 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 7770215 | 894.775 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 8021413 | 912.781 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:49
 Operator : MJB / KAK
 Sample : 0D09025-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:07:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 41) Aroclor 1260 (1) | 8.078 | 15715630 | 941.937 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 20242699 | 977.117 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 20278817 | 974.314 ng/ml |
| 44) Aroclor 1260 (4) | 8.997 | 33671170 | 991.787 ng/ml |
| 45) Aroclor 1260 (5) | 9.247 | 19024170 | 961.211 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 7276838 | 934.838 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

✓

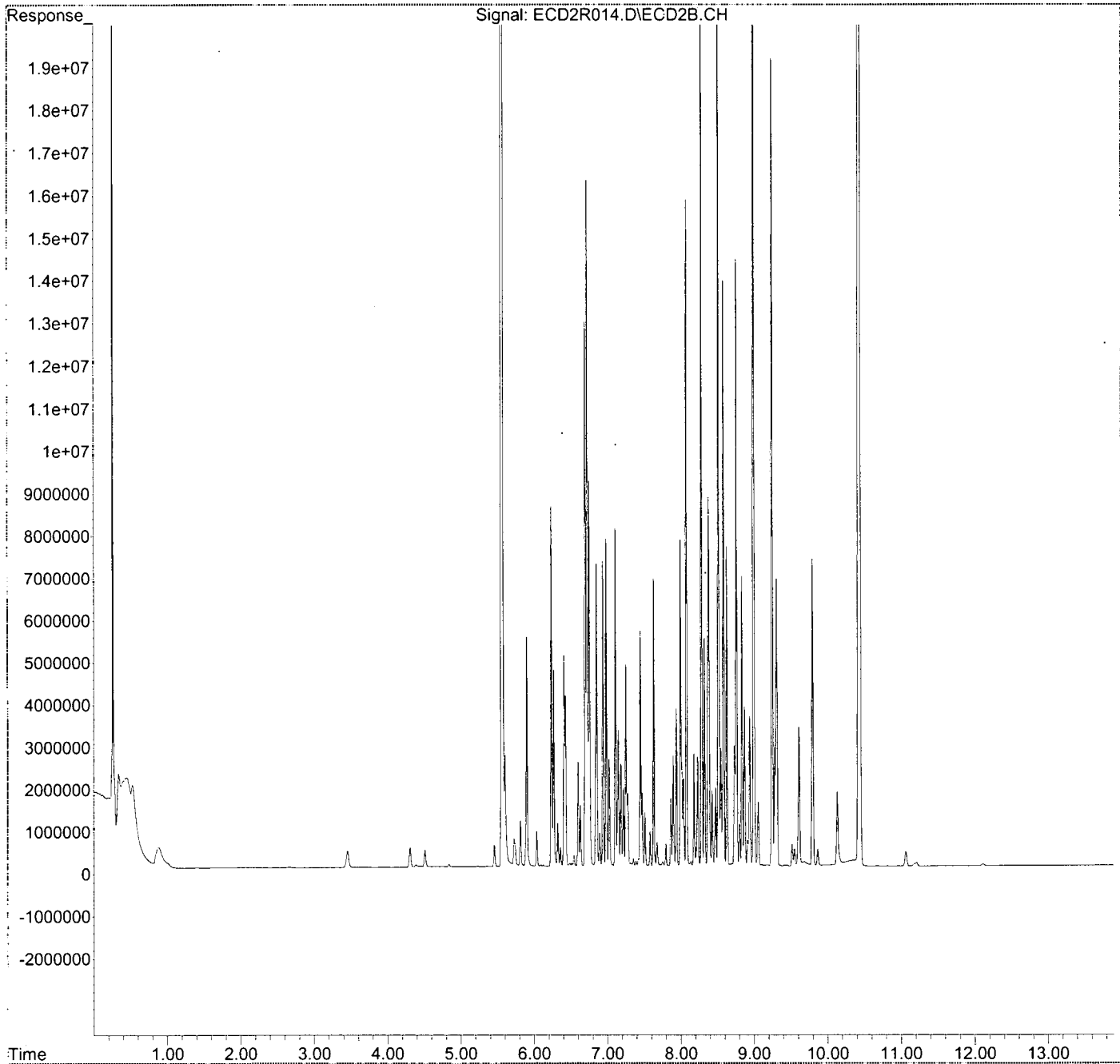
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:07:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD09025\requant\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:07
 Operator : MJB / KAK
 Sample : OD09025-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:09:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/10/20

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|-----------|----------|---------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.575 | 201968251 | 681.703 | ng/ml ✓ |
| 62) S DCBP (S) | 10.438 | 155235623 | 929.737 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.238 | 13166755 | 1379.377 | ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 24055241 | 1440.084 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 10603227 | 1371.978 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 10546235 | 1314.458 | ng/ml ✓ |
| 6) Aroclor 1016 (5) | 6.984 | 12078491 | 1390.892 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 11888296 | 1352.805 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:07
 Operator : MJB / KAK
 Sample : 0D09025-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 10 08:09:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Apr 10 07:54:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

| Compound | R.T. | Response | Conc | Units |
|------------------------|-------|----------|----------|-------|
| 41) Aroclor 1260 (1) | 8.078 | 23526436 | 1410.088 | ng/ml |
| 42) Aroclor 1260 (2) | 8.286 | 29222890 | 1410.592 | ng/ml |
| 43) Aroclor 1260 (3) | 8.517 | 31685442 | 1522.356 | ng/ml |
| 44) Aroclor 1260 (4) | 8.997 | 54599045 | 1608.220 | ng/ml |
| 45) Aroclor 1260 (5) | 9.248 | 30270446 | 1529.438 | ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 11599623 | 1490.175 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

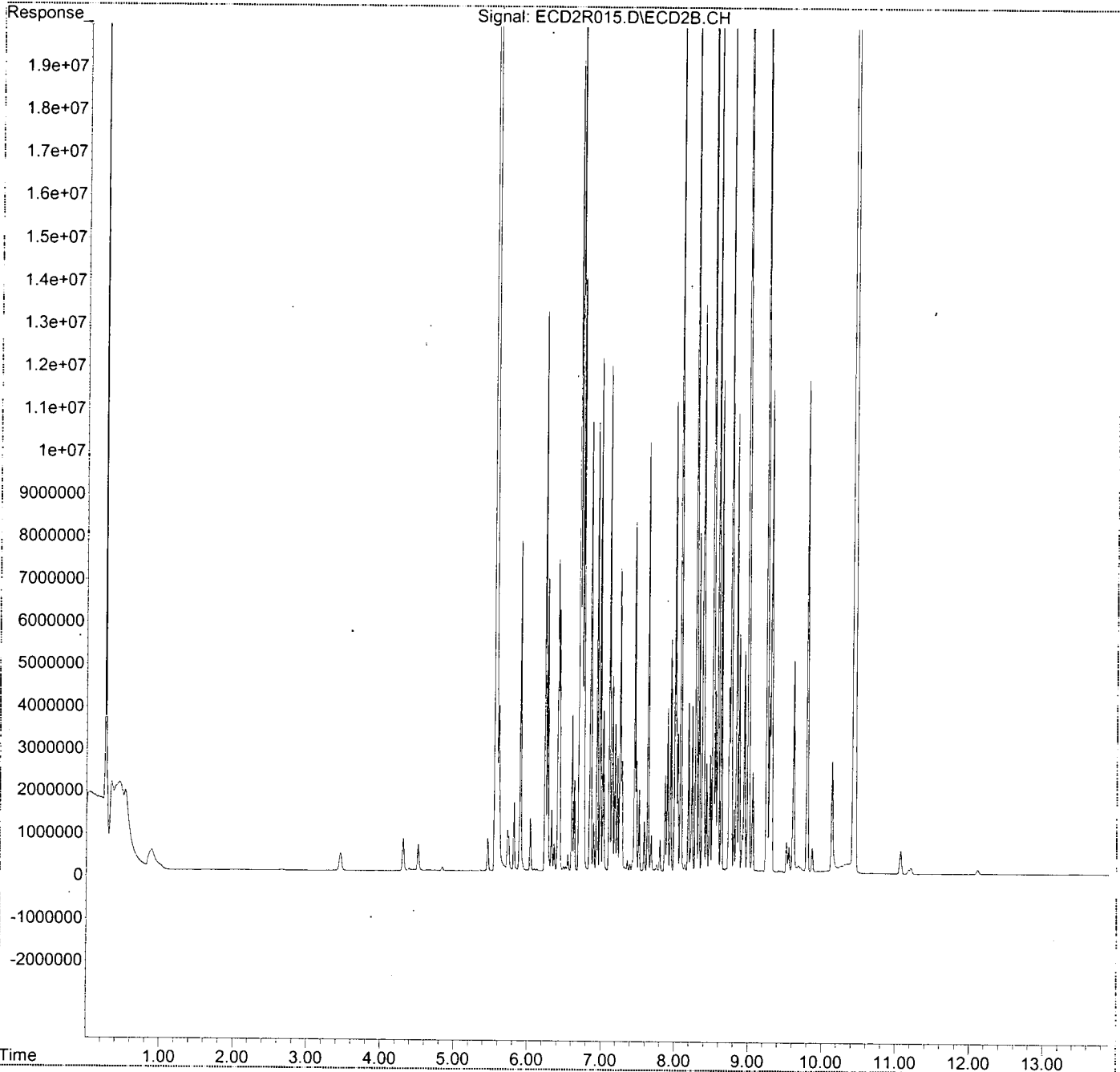
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:09:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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 4 | conditioning run | E2A21015 | 1 | Sample | | |
| 4 | Vial 4 | conditioning run | E2A21015 | 1 | Sample | | |
| 5 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 6 | Vial 2 | 0D09024-CCV1 | E2A21015 | 1 | Sample | | |
| 7 | Vial 3 | 0D09024-CCB1 | E2A21015 | 1 | Sample | | |
| 8 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 9 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 10 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 11 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 12 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 13 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 14 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 15 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 16 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 17 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 18 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 19 | Vial 62 | 1221 | E2A21015 | 1 | Sample | | |
| 20 | Vial 63 | 1232 | E2A21015 | 1 | Sample | | |
| 21 | Vial 64 | 1242 | E2A21015 | 1 | Sample | | |
| 22 | Vial 65 | 1248 | E2A21015 | 1 | Sample | | |
| 23 | Vial 66 | 1254 | E2A21015 | 1 | Sample | | |
| 24 | Vial 67 | 1262 | E2A21015 | 1 | Sample | | |
| 25 | Vial 68 | 1268 | E2A21015 | 1 | Sample | | |
| 26 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 27 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 28 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |

Sequence Table (Back Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|----------|-----|------------|-----------|----------|
| 1 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 2 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 3 | Vial 52 | 0D09025-CCV1 | E2A21015 | 1 | Sample | | |
| 4 | Vial 53 | 0D09025-CCB1 | E2A21015 | 1 | Sample | | |
| 5 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 6 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 7 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 8 | Vial 53 | 0D09025-ICB1 | E2A21015 | 1 | Sample | | |
| 9 | Vial 54 | 0D09025-CAL1 | E2A21015 | 1 | Sample | | |
| 10 | Vial 55 | 0D09025-CAL2 | E2A21015 | 1 | Sample | | |
| 11 | Vial 56 | 0D09025-CAL3 | E2A21015 | 1 | Sample | | |
| 12 | Vial 57 | 0D09025-CAL4 | E2A21015 | 1 | Sample | | |
| 13 | Vial 58 | 0D09025-CAL5 | E2A21015 | 1 | Sample | | |
| 14 | Vial 59 | 0D09025-CAL6 | E2A21015 | 1 | Sample | | |
| 15 | Vial 60 | 0D09025-CAL7 | E2A21015 | 1 | Sample | | |
| 16 | Vial 51 | 0D09025-IBL1 | E2A21015 | 1 | Sample | | |
| 17 | Vial 61 | 0D09025-ICV1 | E2A21015 | 1 | Sample | | |
| 18 | Vial 62 | 0D09025-CAL8 | E2A21015 | 1 | Sample | | |
| 19 | Vial 63 | 0D09025-CAL9 | E2A21015 | 1 | Sample | | |
| 20 | Vial 64 | 0D09025-CALA | E2A21015 | 1 | Sample | | |
| 21 | Vial 65 | 0D09025-CALB | E2A21015 | 1 | Sample | | |
| 22 | Vial 66 | 0D09025-CALC | E2A21015 | 1 | Sample | | |

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| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|----------|-----|------------|-----------|----------|
| 23 | Vial 67 | 0D09025-CALD | E2A21015 | 1 | Sample | | |
| 24 | Vial 68 | 0D09025-CALE | E2A21015 | 1 | Sample | | |
| 25 | Vial 69 | 0D09025-ICV2 | E2A21015 | 1 | Sample | | |
| 26 | Vial 70 | 0D09025-ICV3 | E2A21015 | 1 | Sample | | |
| 27 | Vial 71 | 0D09025-ICV4 | E2A21015 | 1 | Sample | | |
| 28 | Vial 72 | 0D09025-ICV5 | E2A21015 | 1 | Sample | | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:21
 Operator : MJB / KAK
 Sample : 0D09025-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 11:58:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/19/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|-------------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.565 | 2858806 | 12.671 ng/ml |
| 62) S DCBP (S) | 10.434 | 1549703 | 13.933 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 228305 | 36.931 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 366826 | 32.061 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 181221 | 33.832 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 199876 | 40.454 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 209118 | 37.709 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 208459 | 26.491 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.078 | 372718 | 35.403 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 463394 | 36.309 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 429034 | 32.353 ng/ml |
| 44) Aroclor 1260 (4) | 8.995 | 664701 | 37.424 ng/ml |

Data Path : K:\DATA\0D09025\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:21
 Operator : MJB / KAK
 Sample : 0D09025-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 11:58:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.246 | 406889 | 33.257 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 174890 | 35.838 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

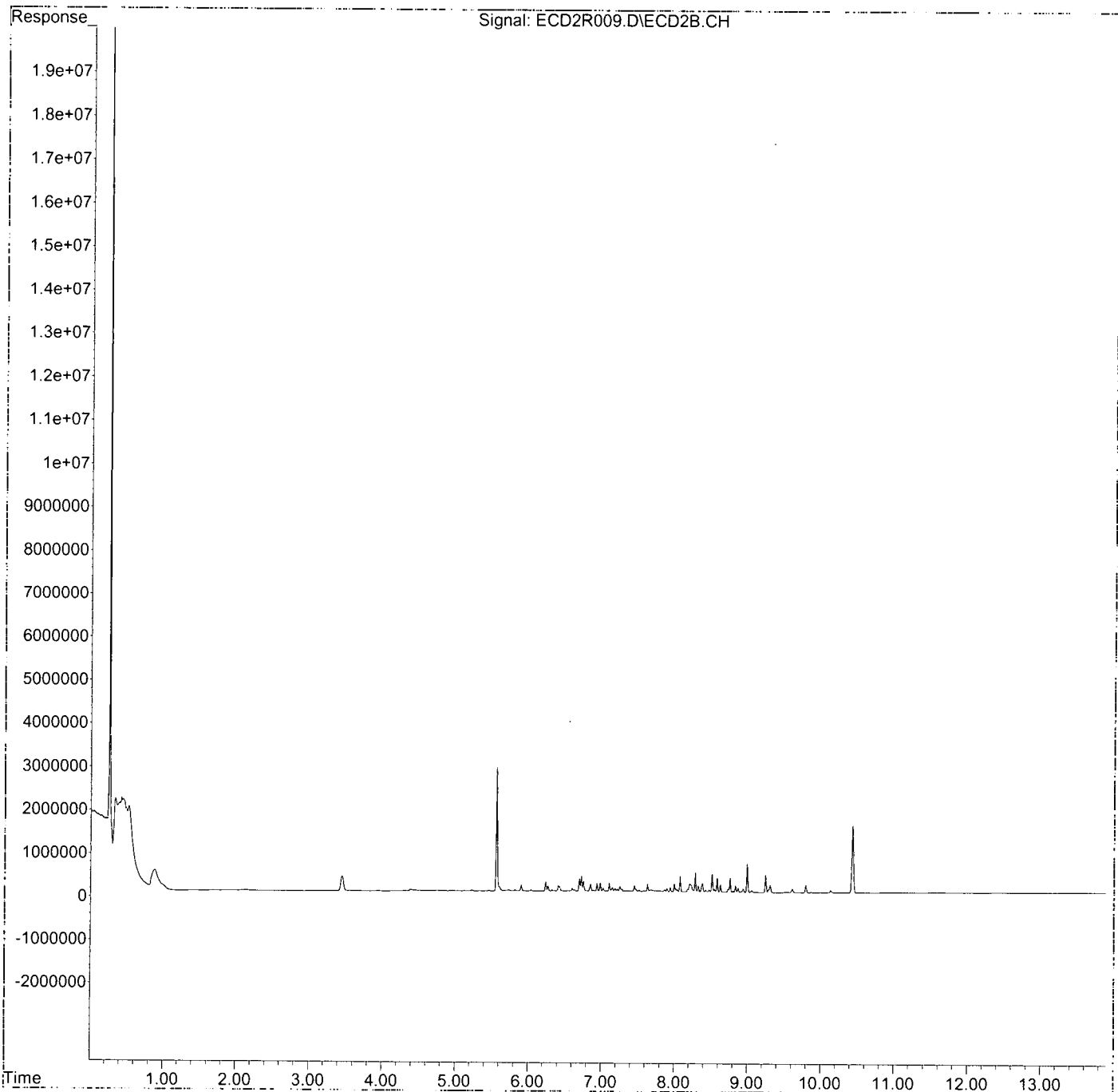
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D09025\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:58:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:39
 Operator : MJB / KAK
 Sample : 0D09025-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:00:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/9/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|-------------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 7524886 | 33.351 ng/ml |
| 62) S DCBP (S) | 10.434 | 4063177 | 36.532 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 530680 | 85.843 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 879396 | 76.861 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 424935 | 79.331 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 445575 | 90.183 ng/ml |
| 6) Aroclor 1016 (5) | 6.985 | 471840 | 85.085 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 485922 | 85.062 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.079 | 883425 | 83.913 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 1086953 | 85.168 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 1074479 | 81.024 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 1693246 | 80.050 ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:39
 Operator : MJB / KAK
 Sample : 0D09025-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:00:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 9.248 | 1024587 | 83.744 ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 422432 | 86.565 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

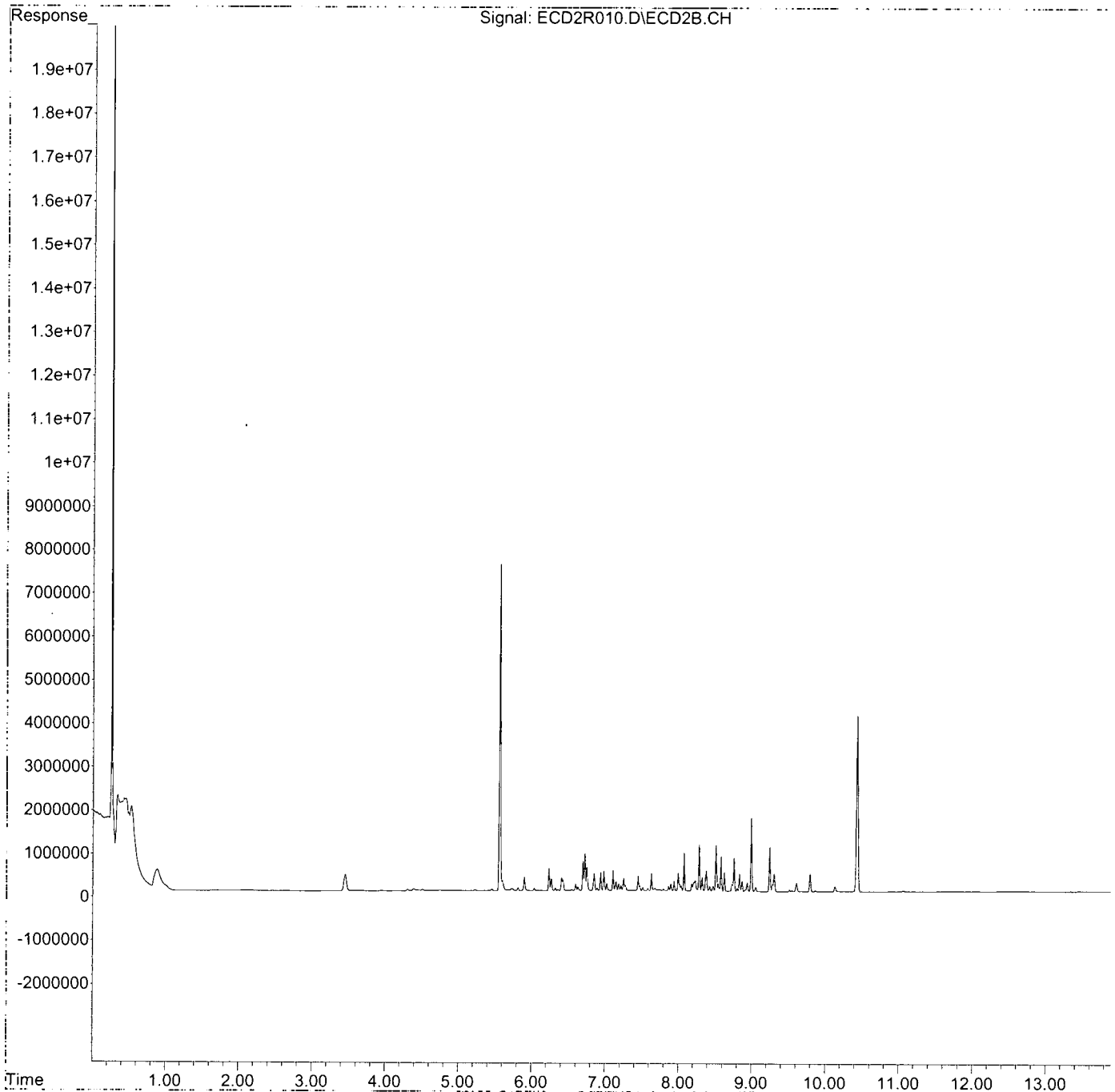
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D09025\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:00:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:57
 Operator : MJB / KAK
 Sample : 0D09025-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:02:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/9/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|--------------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 14967170 | 66.326 ng/ml |
| 62) S DCBP (S) | 10.434 | 7990254 | 71.840 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 986411 | 159.562 ng/ml |
| 3) Aroclor 1016 (2) | 6.726 | 1656065 | 144.744 ng/ml |
| 4) Aroclor 1016 (3) | 6.852 | 779857 | 145.591 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 824102 | 166.797 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 893465 | 161.115 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 891768 | 156.106 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 1717489 | 163.138 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 2050232 | 160.646 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 2071243 | 156.189 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 3321616 | 157.032 ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 10:57
 Operator : MJB / KAK
 Sample : 0D09025-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:02:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 9.247 | 1924731 | 157.317 | ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 759405 | 155.617 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

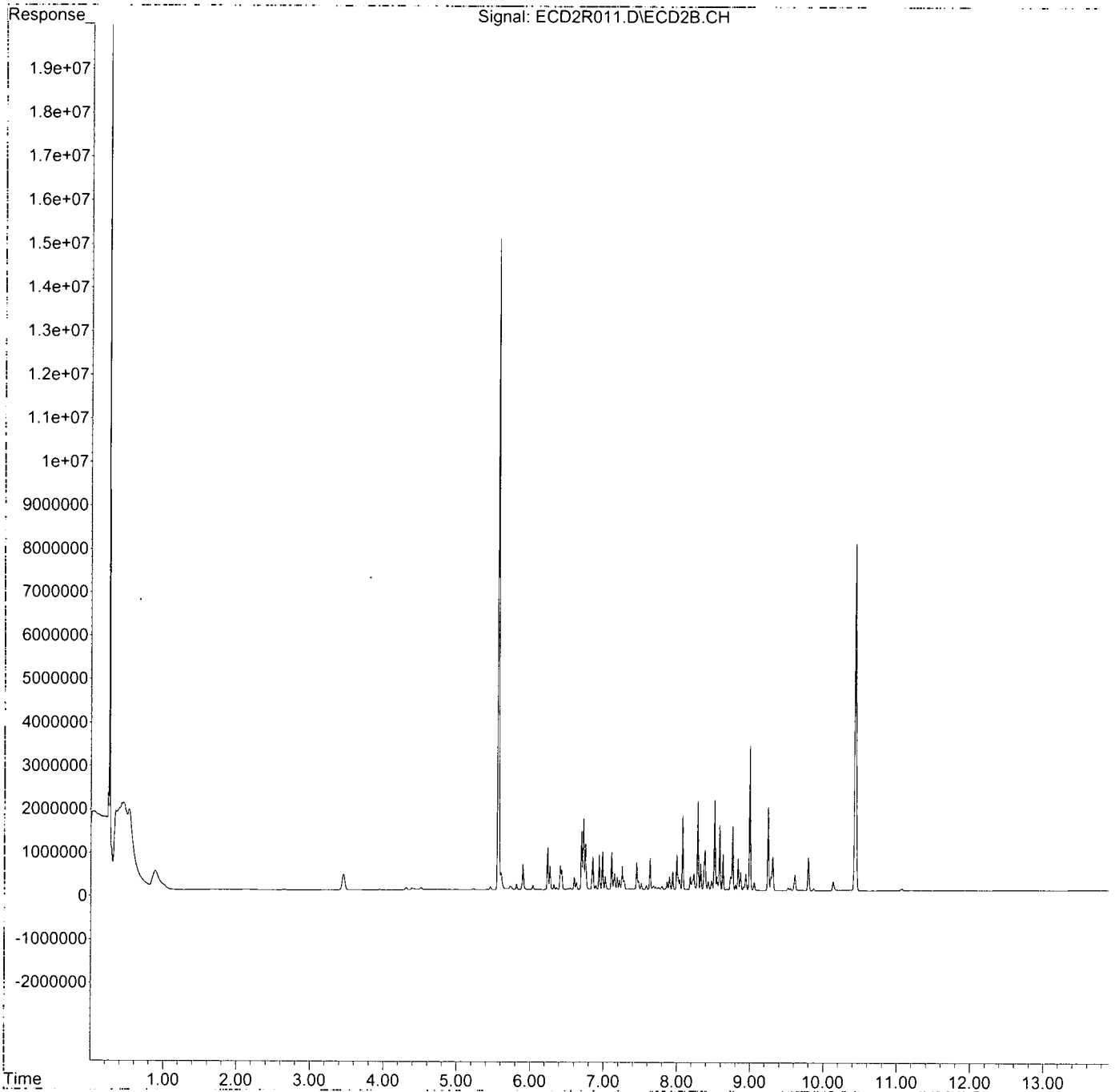
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:02:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:14
 Operator : MJB / KAK
 Sample : 0D09025-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:03:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/19/20

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 5.564 | 30534821 | 135.334 ng/ml |
| 62) S DCBP (S) | 10.436 | 16326808 | 146.793 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 1851871 | 299.559 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 3352806 | 293.043 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 1488183 | 277.827 ng/ml |
| 5) Aroclor 1016 (4) | 6.939 | 1563408 | 316.431 ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 1688096 | 304.407 ng/ml |
| 7) Aroclor 1016 (6) | 7.108 | 1668249 | 292.031 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.077 | 3343516 | 317.587 ng/ml |
| 42) Aroclor 1260 (2) | 8.284 | 4034423 | 316.116 ng/ml |
| 43) Aroclor 1260 (3) | 8.515 | 4197822 | 316.550 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 6907542 | 326.560 ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:14
 Operator : MJB / KAK
 Sample : 0D09025-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:03:59 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 9.247 | 3992265 | 326.306 ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 1500577 | 307.498 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

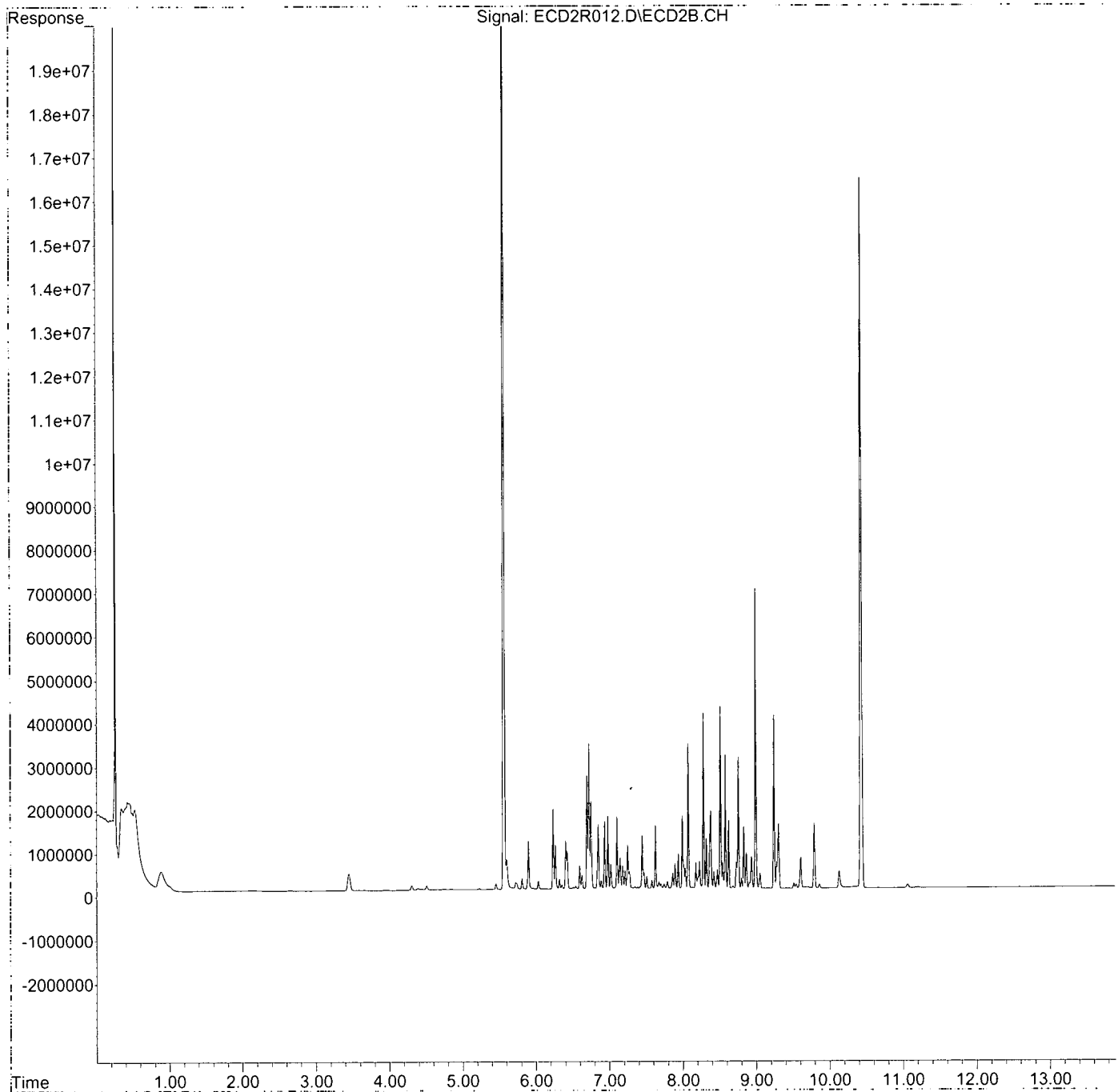
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:03:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:32
 Operator : MJB / KAK
 Sample : 0D09025-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 11:57:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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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) | 5.566 | 71791386 | 318.188 ng/ml |
| 62) S DCBP (S) | 10.435 | 38814291 | 348.975 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 6.237 | 4182367 | 676.541 ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 7715821 | 674.380 ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 3521177 | 657.365 ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 3462009 | 700.704 ng/ml |
| 6) Aroclor 1016 (5) | 6.985 | 3848778 | 694.034 ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 4083977 | 714.910 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 8.078 | 7596908 | 721.600 ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 9854734 | 772.166 ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 9824367 | 740.838 ng/ml |
| 44) Aroclor 1260 (4) | 8.996 | 16362771 | 773.563 ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:32
 Operator : MJB / KAK
 Sample : 0D09025-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 11:57:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 9.248 | 9646918 | 788.486 | ng/ml |
| 46) Aroclor 1260 (6) | 9.796 | 3594231 | 736.529 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

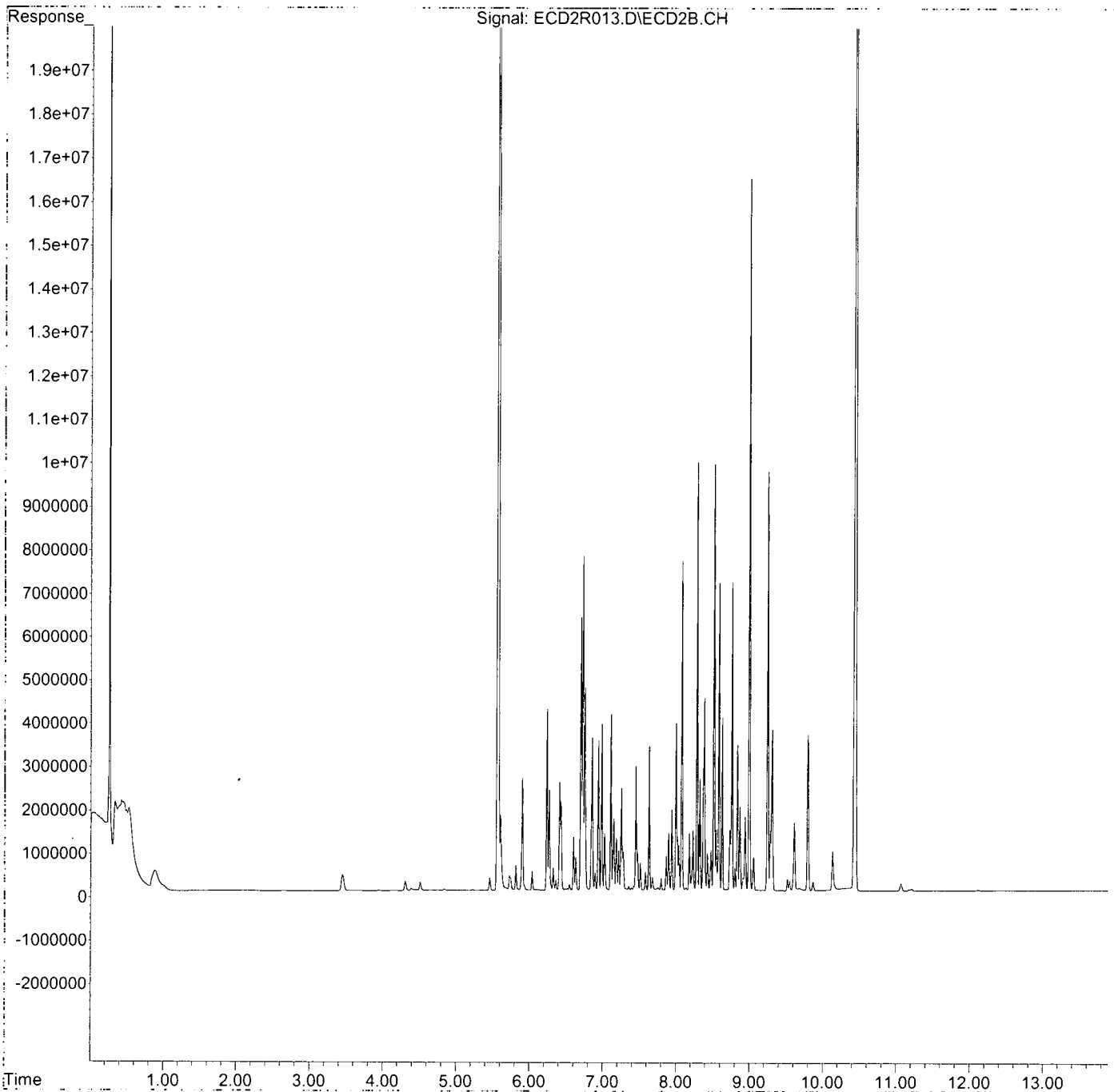
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:57:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:49
 Operator : MJB / KAK
 Sample : 0D09025-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:10:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 4/9/20

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

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|--------|-----------|---------------------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.569 | 171348734 | 759.437 | ng/ml |
| 62) S DCBP (S) | 10.437 | 89449036 | 804.227 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.237 | 8523190 | 1378.715 | ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 16205979 | 1416.439 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 7188564 | 1342.025 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 7244607 | 1466.294 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 7770215 | 1401.170 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 8021413 | 1404.168 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.078 | 15715630 | 1492.766 | ng/ml |
| 42) Aroclor 1260 (2) | 8.285 | 20242699 | 1586.112 | ng/ml |
| 43) Aroclor 1260 (3) | 8.516 | 20278817 | 1520.189 | ng/ml |
| 44) Aroclor 1260 (4) | 8.997 | 33671170 | 1591.831 | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 11:49
 Operator : MJB / KAK
 Sample : 0D09025-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:10:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|----------|-------|
| 45) Aroclor 1260 (5) | 9.247 | 19024170 | 1554.932 | ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 7276838 | 1491.168 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

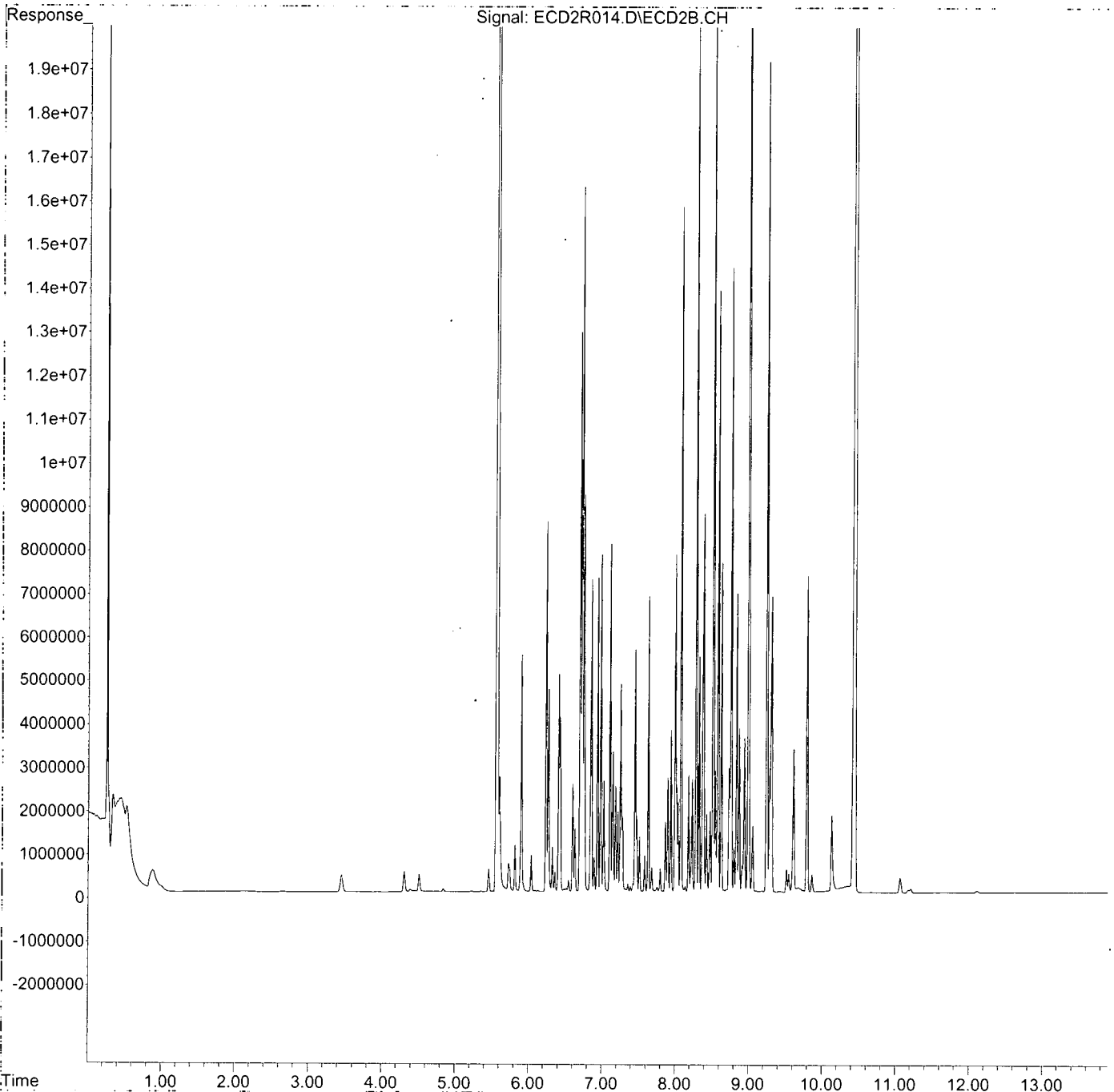
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:10:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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\0D09025\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:07
 Operator : MJB / KAK
 Sample : 0D09025-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:23:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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 4/9/20

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

| Compound | R.T. | Response | Conc | Units |
|------------------------------------|--------|-----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 5.575 | 201968251 | 895.146 | ng/ml |
| 62) S DCBP (S) | 10.438 | 155235623 | 1395.707 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 6.238 | 13166755 | 2129.859 | ng/ml |
| 3) Aroclor 1016 (2) | 6.727 | 24055241 | 2102.483 | ng/ml |
| 4) Aroclor 1016 (3) | 6.853 | 10603227 | 1979.505 | ng/ml |
| 5) Aroclor 1016 (4) | 6.940 | 10546235 | 2134.537 | ng/ml |
| 6) Aroclor 1016 (5) | 6.984 | 12078491 | 2178.064 | ng/ml |
| 7) Aroclor 1016 (6) | 7.109 | 11888296 | 2081.075 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 8.078 | 23526436 | 2234.683 | ng/ml |
| 42) Aroclor 1260 (2) | 8.286 | 29222890 | 2289.753 | ng/ml |
| 43) Aroclor 1260 (3) | 8.517 | 31685442 | 2389.341 | ng/ml |
| 44) Aroclor 1260 (4) | 8.997 | 54599045 | 2581.213 | ng/ml |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 09 Apr 2020 12:07
 Operator : MJB / KAK
 Sample : 0D09025-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 09 12:23:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 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 |
|------------------------|-------|----------|----------|-------|
| 45) Aroclor 1260 (5) | 9.248 | 30270446 | 2474.141 | ng/ml |
| 46) Aroclor 1260 (6) | 9.797 | 11599623 | 2376.992 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

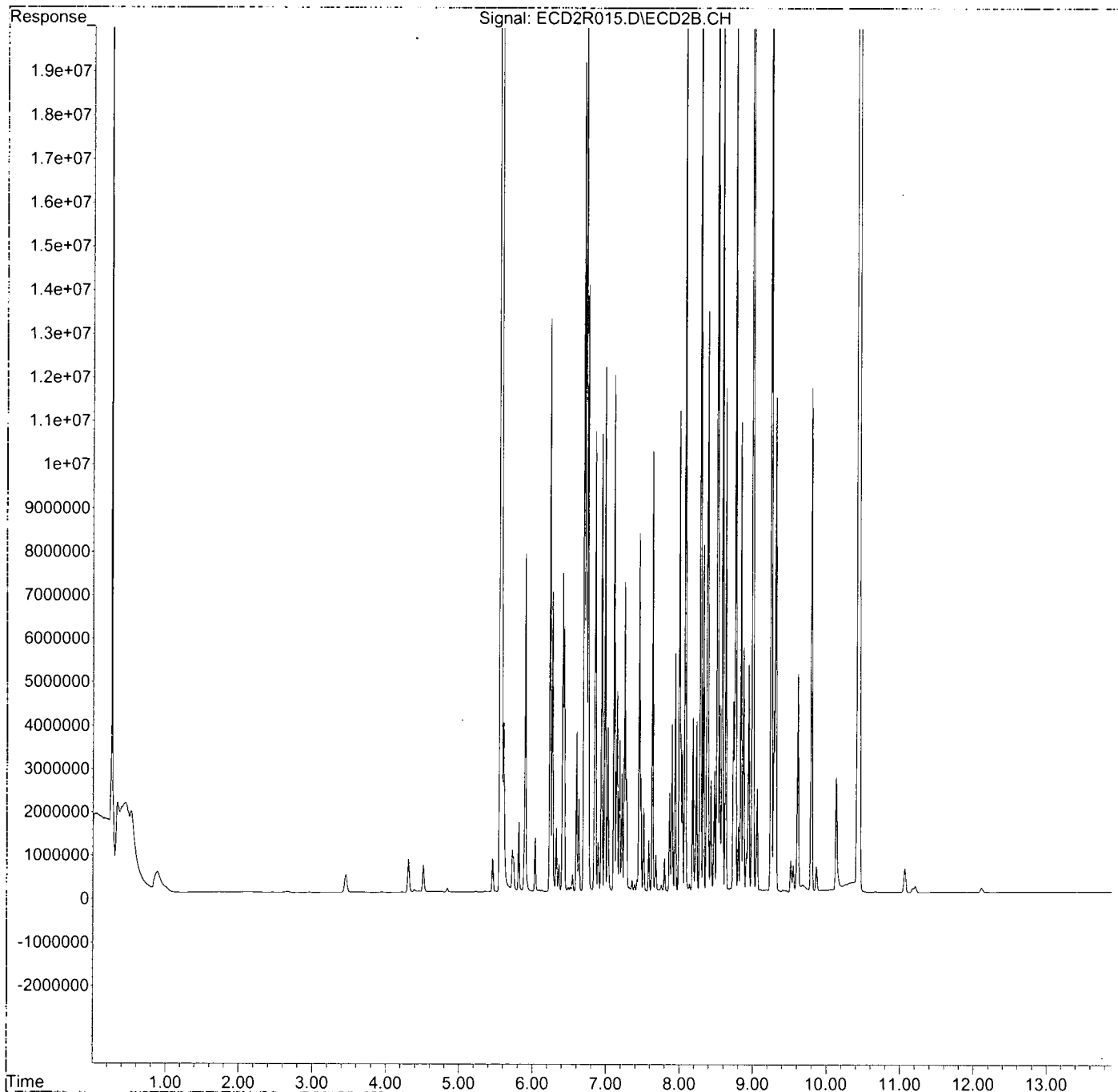
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D09025\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:23:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 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



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

Sequence 0D10012 (Cal ID A0D1302) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D10012**

Instrument: **DUALECD2F**

Date: **04/10/20 06:32**

Calibration: **A0D1302**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|--------|----------|--------|-----|-------|---------|---------|
| 1 | 0D10012-ICB1 | Water | QC | QC | | | | A20C404 |
| 2 | 0D10012-CAL1 | Water | QC | QC | | | | A19L280 |
| 3 | 0D10012-CAL2 | Water | QC | QC | | | | A19L281 |
| 4 | 0D10012-CAL3 | Water | QC | QC | | | | A19L282 |
| 5 | 0D10012-CAL4 | Water | QC | QC | | | | A19L283 |
| 6 | 0D10012-CAL5 | Water | QC | QC | | | | A19L276 |
| 7 | 0D10012-CAL6 | Water | QC | QC | | | | A19L278 |
| 8 | 0D10012-CAL7 | Water | QC | QC | | | | A19L279 |
| 9 | 0D10012-IBL1 | Water | QC | QC | | | | |
| 10 | 0D10012-ICV1 | Water | QC | QC | | | | A20B355 |
| 11 | 0D10012-CAL8 | Water | QC | QC | | | | A20C117 |
| 12 | 0D10012-CAL9 | Water | QC | QC | | | | A20B322 |
| 13 | 0D10012-CALA | Water | QC | QC | | | | A20B323 |
| 14 | 0D10012-CALB | Water | QC | QC | | | | A20B324 |
| 15 | 0D10012-CALC | Water | QC | QC | | | | A20B325 |
| 16 | 0D10012-CALD | Water | QC | QC | | | | A20B326 |
| 17 | 0D10012-CALE | Water | QC | QC | | | | A20B327 |
| 18 | 0D10012-ICV2 | Water | QC | QC | | | | A20B353 |
| 19 | 0D10012-ICV3 | Water | QC | QC | | | | A19J367 |
| 20 | 0D10012-ICV4 | Water | QC | QC | | | | A20B354 |
| 21 | 0D10012-ICV5 | Water | QC | QC | | | | A20B130 |

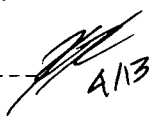
Data Entered By: *[Signature]* **4/13/20**

Comments:

Data Reviewed By: *[Signature]* **4/13/20**

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_2004010.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 13 08:40:31 2020
 Response Via : Initial Calibration

A001302

 4/13/20

| # | ID | Conc | ISTD Conc | Path\File |
|---|----|------|--------------|----------------------------|
| 1 | 1 | 10 | 0 | K:\DATA\0D10012\ECD2F006.D |
| 2 | 2 | 25 | 0 | K:\DATA\0D10012\ECD2F007.D |
| 3 | 3 | 50 | 0 | K:\DATA\0D10012\ECD2F008.D |
| 4 | 4 | 100 | 0 | K:\DATA\0D10012\ECD2F009.D |
| 5 | 5 | 250 | 0 | K:\DATA\0D10012\ECD2F021.D |
| 6 | 6 | 500 | 0 | K:\DATA\0D10012\ECD2F011.D |
| 7 | 7 | 800 | 0 | K:\DATA\0D10012\ECD2F012.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|----|-------------------|-------------------|---------------------|
| 1 | 1 | Apr 13 08:37 2020 | Apr 13 08:00 2020 | 10 Apr 2020 2:22 pm |
| 2 | 2 | Apr 13 08:38 2020 | Apr 13 08:01 2020 | 10 Apr 2020 2:40 pm |
| 3 | 3 | Apr 13 08:38 2020 | Apr 13 08:03 2020 | 10 Apr 2020 2:57 pm |
| 4 | 4 | Apr 13 08:38 2020 | Apr 13 08:04 2020 | 10 Apr 2020 3:15 pm |
| 5 | 5 | Apr 13 08:40 2020 | Apr 13 08:24 2020 | 10 Apr 2020 6:47 pm |
| 6 | 6 | Apr 13 08:38 2020 | Apr 13 08:07 2020 | 10 Apr 2020 3:50 pm |
| 7 | 7 | Apr 13 08:39 2020 | Apr 13 08:09 2020 | 10 Apr 2020 4:08 pm |

FECD2_QUANTPCB_2004010.M Mon Apr 13 09:31:50 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_2004010.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 13 08:40:31 2020
 Response Via : Initial Calibration

Handwritten:
 A113/20

Calibration Files
 1 =ECD2F006.D 2 =ECD2F007.D 3 =ECD2F008.D
 4 =ECD2F009.D 5 =ECD2F021.D 6 =ECD2F011.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD |
|----------------------|-------|-------|-------|-------|-------|-------|-------|------------|
| 1) S TCMX (S) | 6.530 | 6.983 | 7.022 | 7.398 | 7.135 | 8.641 | 7.615 | E4 14.37 |
| 2) Aroclor 1016 ... | 5.636 | 5.316 | 4.797 | 4.596 | 4.344 | 4.294 | 4.760 | E3 11.09 ✓ |
| 3) Aroclor 1016 ... | 1.084 | 1.075 | 0.997 | 0.995 | 0.997 | 1.005 | 1.029 | E4 3.83 ✓ |
| 4) Aroclor 1016 ... | 6.053 | 5.935 | 5.436 | 5.048 | 4.974 | 4.831 | 5.339 | E3 9.09 ✓ |
| 5) Aroclor 1016 ... | 5.690 | 5.365 | 4.798 | 4.587 | 4.462 | 4.348 | 4.824 | E3 10.54 ✓ |
| 6) Aroclor 1016 ... | 6.871 | 6.250 | 5.657 | 5.389 | 5.395 | 5.044 | 5.661 | E3 11.94 ✓ |
| 7) Aroclor 1016 (6) | 4.898 | 4.470 | 4.086 | 3.910 | 3.760 | 3.670 | 4.074 | E3 11.19 ✓ |
| 8) Aroclor 1016 ... | | | | | | | 0.000 | -1.00 |
| 9) Aroclor 1221 (1) | | | | | 1.450 | | 1.450 | E3 0.00 |
| 10) Aroclor 1221 (2) | | | | | 9.775 | | 9.775 | E2 0.00 |
| 11) Aroclor 1221 (3) | | | | | 3.169 | | 3.169 | E3 0.00 |
| 12) Aroclor 1221 ... | | | | | | | 0.000 | -1.00 |
| 13) Aroclor 1232 (1) | | | | | 2.595 | | 2.595 | E3 0.00 |
| 14) Aroclor 1232 (2) | | | | | 4.240 | | 4.240 | E3 0.00 |
| 15) Aroclor 1232 (3) | | | | | 2.223 | | 2.223 | E3 0.00 |
| 16) Aroclor 1232 (4) | | | | | 1.646 | | 1.646 | E3 0.00 |
| 17) Aroclor 1232 (5) | | | | | 2.156 | | 2.156 | E3 0.00 |
| 18) Aroclor 1232 (6) | | | | | 1.752 | | 1.752 | E3 0.00 |
| 19) Aroclor 1232 ... | | | | | | | 0.000 | -1.00 |
| 20) Aroclor 1242 ... | | | | | 3.638 | | 3.638 | E3 0.00 |
| 21) Aroclor 1242 ... | | | | | 7.949 | | 7.949 | E3 0.00 |
| 22) Aroclor 1242 ... | | | | | 4.000 | | 4.000 | E3 0.00 |
| 23) Aroclor 1242 ... | | | | | 3.321 | | 3.321 | E3 0.00 |
| 24) Aroclor 1242 ... | | | | | 4.323 | | 4.323 | E3 0.00 |
| 25) Aroclor 1242 (6) | | | | | 3.604 | | 3.604 | E3 0.00 |
| 26) Aroclor 1242 ... | | | | | | | 0.000 | -1.00 |
| 27) Aroclor 1248 ... | | | | | 4.896 | | 4.896 | E3 0.00 |
| 28) Aroclor 1248 ... | | | | | 5.992 | | 5.992 | E3 0.00 |
| 29) Aroclor 1248 ... | | | | | 6.725 | | 6.725 | E3 0.00 |
| 30) Aroclor 1248 ... | | | | | 8.221 | | 8.221 | E3 0.00 |
| 31) Aroclor 1248 ... | | | | | 7.881 | | 7.881 | E3 0.00 |
| 32) Aroclor 1248 (6) | | | | | 4.551 | | 4.551 | E3 0.00 |
| 33) Aroclor 1248 ... | | | | | | | 0.000 | -1.00 |
| 34) Aroclor 1254 ... | | | | | 8.689 | | 8.689 | E3 0.00 |
| 35) Aroclor 1254 ... | | | | | 1.124 | | 1.124 | E4 0.00 |
| 36) Aroclor 1254 ... | | | | | 1.681 | | 1.681 | E4 0.00 |
| 37) Aroclor 1254 ... | | | | | 1.068 | | 1.068 | E4 0.00 |
| 38) Aroclor 1254 ... | | | | | 1.175 | | 1.175 | E4 0.00 |
| 39) Aroclor 1254 (6) | | | | | 3.770 | | 3.770 | E3 0.00 |
| 40) Aroclor 1254 ... | | | | | | | 0.000 | -1.00 |
| 41) Aroclor 1260 ... | 1.293 | 1.179 | 1.098 | 1.071 | 1.062 | 1.070 | 1.122 | E4 7.59 ✓ |
| 42) Aroclor 1260 ... | 1.532 | 1.460 | 1.427 | 1.405 | 1.365 | 1.333 | 1.414 | E4 4.74 ✓ |
| 43) Aroclor 1260 (3) | 1.220 | 1.121 | 1.056 | 1.017 | 0.984 | 1.020 | 1.060 | E4 7.84 ✓ |
| 44) Aroclor 1260 (4) | 2.661 | 2.617 | 2.551 | 2.535 | 2.581 | 2.594 | 2.609 | E4 2.54 ✓ |
| 45) Aroclor 1260 (5) | 1.809 | 1.701 | 1.683 | 1.684 | 1.645 | 1.675 | 1.693 | E4 3.23 ✓ |
| 46) Aroclor 1260 (6) | 7.977 | 7.418 | 6.766 | 6.750 | 6.639 | 6.590 | 7.007 | E3 7.26 ✓ |
| 47) Aroclor 1260 ... | | | | | | | 0.000 | -1.00 |
| 48) Aroclor 1262 (1) | | | | | 1.105 | | 1.105 | E4 0.00 |
| 49) Aroclor 1262 (2) | | | | | 1.518 | | 1.518 | E4 0.00 |
| 50) Aroclor 1262 (3) | | | | | 1.317 | | 1.317 | E4 0.00 |
| 51) Aroclor 1262 (4) | | | | | 2.942 | | 2.942 | E4 0.00 |
| 52) Aroclor 1262 (5) | | | | | 1.813 | | 1.813 | E4 0.00 |
| 53) Aroclor 1262 (6) | | | | | 9.658 | | 9.658 | E3 0.00 |
| 54) Aroclor 1262 ... | | | | | | | 0.000 | -1.00 |
| 55) Aroclor 1268 (1) | | | | | 7.100 | | 7.100 | E3 0.00 |
| 56) Aroclor 1268 (2) | | | | | 3.482 | | 3.482 | E4 0.00 |
| 57) Aroclor 1268 (3) | | | | | 2.894 | | 2.894 | E4 0.00 |
| 58) Aroclor 1268 (4) | | | | | 2.566 | | 2.566 | E4 0.00 |
| 59) Aroclor 1268 (5) | | | | | 1.087 | | 1.087 | E4 0.00 |
| 60) Aroclor 1268 (6) | | | | | 7.834 | | 7.834 | E4 0.00 |

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_2004010.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 13 08:40:31 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2F006.D 2 =ECD2F007.D 3 =ECD2F008.D
 4 =ECD2F009.D 5 =ECD2F021.D 6 =ECD2F011.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD |
|----------------------|-------|-------|-------|-------|-------|-------|-------|----------|
| 61) Aroclor 1268 ... | | | | | | | 0.000 | -1.00 |
| 62) S DCBP (S) | 1.479 | 1.524 | 1.500 | 1.529 | 1.415 | 1.571 | 1.521 | E5 4.46✓ |

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

Compound List Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_2004010.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 13 08:40:31 2020
 Response Via : Initial Calibration

Handwritten:
 4/13/20

Total Cpnds : 62

| PK# | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|--------------------|--------|--------|-----|-----|----|
| 1 | S TCMX (S) | 4.741 | 1.000 | A | H | L |
| 2 | Aroclor 1016 (1) | 5.659 | 1.000 | A | H | R |
| 3 | Aroclor 1016 (2) | 6.071 | 1.000 | A | H | R |
| 4 | Aroclor 1016 (3) | 6.153 | 1.000 | A | H | R |
| 5 | Aroclor 1016 (4) | 6.311 | 1.000 | A | H | R |
| 6 | Aroclor 1016 (5) | 6.532 | 1.000 | A | H | R |
| 7 | Aroclor 1016 (6) | 6.658 | 1.000 | A | H | R |
| 8 | Aroclor 1016 - AVE | 0.708 | 1.000 | A | H | R |
| 9 | Aroclor 1221 (1) | 5.098 | 1.000 | A | H | R |
| 10 | Aroclor 1221 (2) | 5.216 | 1.000 | A | H | R |
| 11 | Aroclor 1221 (3) | 5.297 | 1.000 | A | H | R |
| 12 | Aroclor 1221 - AVE | 0.708 | 1.000 | A | H | R |
| 13 | Aroclor 1232 (1) | 5.297 | 1.000 | A | H | R |
| 14 | Aroclor 1232 (2) | 6.072 | 1.000 | A | H | R |
| 15 | Aroclor 1232 (3) | 6.154 | 1.000 | A | H | R |
| 16 | Aroclor 1232 (4) | 6.311 | 1.000 | A | H | R |
| 17 | Aroclor 1232 (5) | 6.533 | 1.000 | A | H | R |
| 18 | Aroclor 1232 (6) | 6.658 | 1.000 | A | H | R |
| 19 | Aroclor 1232 - AVE | 0.708 | 1.000 | A | H | R |
| 20 | Aroclor 1242 (1) | 5.659 | 1.000 | A | H | R |
| 21 | Aroclor 1242 (2) | 6.071 | 1.000 | A | H | R |
| 22 | Aroclor 1242 (3) | 6.153 | 1.000 | A | H | R |
| 23 | Aroclor 1242 (4) | 6.310 | 1.000 | A | H | R |
| 24 | Aroclor 1242 (5) | 6.532 | 1.000 | A | H | R |
| 25 | Aroclor 1242 (6) | 6.658 | 1.000 | A | H | R |
| 26 | Aroclor 1242 - AVE | 0.708 | 1.000 | A | H | R |
| 27 | Aroclor 1248 (1) | 6.070 | 1.000 | A | H | R |
| 28 | Aroclor 1248 (2) | 6.311 | 1.000 | A | H | R |
| 29 | Aroclor 1248 (3) | 6.533 | 1.000 | A | H | R |
| 30 | Aroclor 1248 (4) | 6.827 | 1.000 | A | H | R |
| 31 | Aroclor 1248 (5) | 6.864 | 1.000 | A | H | R |
| 32 | Aroclor 1248 (6) | 7.340 | 1.000 | A | H | R |
| 33 | Aroclor 1248 - AVE | 0.708 | 1.000 | A | H | R |
| 34 | Aroclor 1254 (1) | 6.859 | 1.000 | A | H | R |
| 35 | Aroclor 1254 (2) | 6.971 | 1.000 | A | H | R |
| 36 | Aroclor 1254 (3) | 7.340 | 1.000 | A | H | R |
| 37 | Aroclor 1254 (4) | 7.506 | 1.000 | A | H | R |
| 38 | Aroclor 1254 (5) | 7.886 | 1.000 | A | H | R |
| 39 | Aroclor 1254 (6) | 8.177 | 1.000 | A | H | R |
| 40 | Aroclor 1254 - AVE | 0.708 | 1.000 | A | H | R |
| 41 | Aroclor 1260 (1) | 7.459 | 1.000 | A | H | R |
| 42 | Aroclor 1260 (2) | 7.593 | 1.000 | A | H | R |
| 43 | Aroclor 1260 (3) | 8.147 | 1.000 | A | H | R |
| 44 | Aroclor 1260 (4) | 8.318 | 1.000 | A | H | R |
| 45 | Aroclor 1260 (5) | 8.617 | 1.000 | A | H | R |
| 46 | Aroclor 1260 (6) | 9.004 | 1.000 | A | H | R |
| 47 | Aroclor 1260 - AVE | 0.708 | 1.000 | A | H | R |
| 48 | Aroclor 1262 (1) | 7.593 | 1.000 | A | H | R |
| 49 | Aroclor 1262 (2) | 7.916 | 1.000 | A | H | R |
| 50 | Aroclor 1262 (3) | 8.148 | 1.000 | A | H | R |
| 51 | Aroclor 1262 (4) | 8.319 | 1.000 | A | H | R |
| 52 | Aroclor 1262 (5) | 8.616 | 1.000 | A | H | R |
| 53 | Aroclor 1262 (6) | 9.003 | 1.000 | A | H | R |
| 54 | Aroclor 1262 - AVE | 0.708 | 1.000 | A | H | R |
| 55 | Aroclor 1268 (1) | 8.564 | 1.000 | A | H | R |
| 56 | Aroclor 1268 (2) | 8.564 | 1.000 | A | H | R |

| | | | | | | |
|----|--------------------|-------|-------|---|---|---|
| 57 | Aroclor 1268 (3) | 8.612 | 1.000 | A | H | R |
| 58 | Aroclor 1268 (4) | 8.793 | 1.000 | A | H | R |
| 59 | Aroclor 1268 (5) | 9.003 | 1.000 | A | H | R |
| 60 | Aroclor 1268 (6) | 9.255 | 1.000 | A | H | R |
| 61 | Aroclor 1268 - AVE | 0.711 | 1.000 | A | H | R |
| 62 | S DCBP (S) | 9.484 | 1.000 | A | H | R |

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

FECD2_QUANTPCB_2004010.M Mon Apr 13 09:31:41 2020

Element Calibration Review Sheet

Calibration ID: **A0D1302**

Instrument: **DUALECD2F**

Calibration Date:

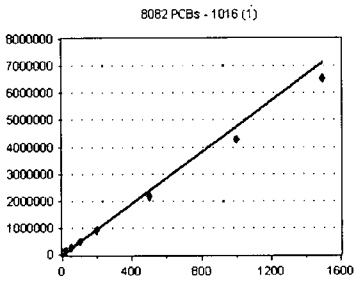
04/13/2020

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20040**

1016 (1)

Curve Fit: **AVERAGE RF**

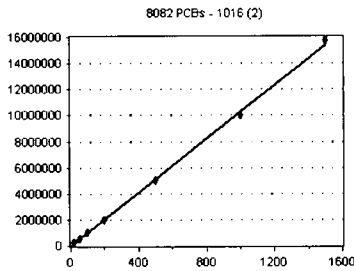


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD10012-CAL1 | 20 | 112716 | 5635.800 | 5.66 |
| OD10012-CAL2 | 50 | 265806 | 5316.120 | 5.66 |
| OD10012-CAL3 | 100 | 479662 | 4796.620 | 5.66 |
| OD10012-CAL4 | 200 | 919253 | 4596.265 | 5.66 |
| OD10012-CAL5 | 500 | 2171796 | 4343.592 | 5.66 |
| OD10012-CAL6 | 1000 | 4293628 | 4293.628 | 5.66 |
| OD10012-CAL7 | 1500 | 6511455 | 4340.970 | 5.66 |

AVE RF 4760.428 RF RSD 11.09 AVE RT 5.66

1016 (2)

Curve Fit: **AVERAGE RF**

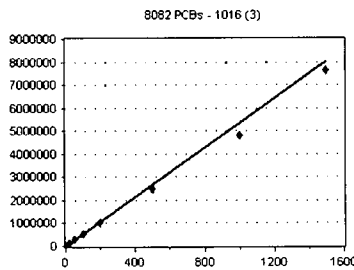


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 216714 | 10835.700 | 6.07 |
| OD10012-CAL2 | 50 | 537553 | 10751.060 | 6.07 |
| OD10012-CAL3 | 100 | 997133 | 9971.330 | 6.07 |
| OD10012-CAL4 | 200 | 1989984 | 9949.920 | 6.07 |
| OD10012-CAL5 | 500 | 4984786 | 9969.572 | 6.07 |
| OD10012-CAL6 | 1000 | .00512E+07 | 10051.200 | 6.07 |
| OD10012-CAL7 | 1500 | 575992E+07 | 10506.610 | 6.07 |

AVE RF 10290.770 RF RSD 3.83 AVE RT 6.07

1016 (3)

Curve Fit: **AVERAGE RF**

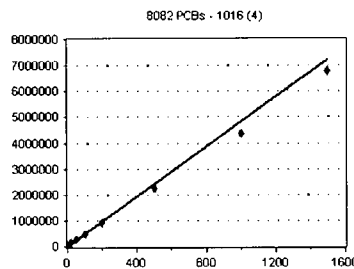


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD10012-CAL1 | 20 | 121068 | 6053.400 | 6.16 |
| OD10012-CAL2 | 50 | 296763 | 5935.260 | 6.15 |
| OD10012-CAL3 | 100 | 543635 | 5436.350 | 6.15 |
| OD10012-CAL4 | 200 | 1009652 | 5048.260 | 6.15 |
| OD10012-CAL5 | 500 | 2486753 | 4973.506 | 6.15 |
| OD10012-CAL6 | 1000 | 4831278 | 4831.278 | 6.15 |
| OD10012-CAL7 | 1500 | 7639618 | 5093.079 | 6.15 |

AVE RF 5338.733 RF RSD 9.09 AVE RT 6.15

1016 (4)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD10012-CAL1 | 20 | 113806 | 5690.300 | 6.31 |
| OD10012-CAL2 | 50 | 268245 | 5364.900 | 6.31 |
| OD10012-CAL3 | 100 | 479761 | 4797.610 | 6.31 |
| OD10012-CAL4 | 200 | 917489 | 4587.445 | 6.31 |
| OD10012-CAL5 | 500 | 2231051 | 4462.102 | 6.31 |
| OD10012-CAL6 | 1000 | 4347874 | 4347.874 | 6.31 |
| OD10012-CAL7 | 1500 | 6779647 | 4519.765 | 6.31 |

AVE RF 4824.285 RF RSD 10.54 AVE RT 6.31

Element Calibration Review Sheet

Calibration ID: **A0D1302**

Instrument: **DUALECD2F**

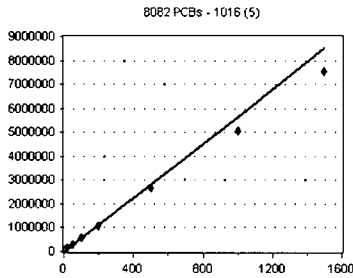
Calibration Date: **04/13/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20040**

1016 (5)

Curve Fit: **AVERAGE RF**

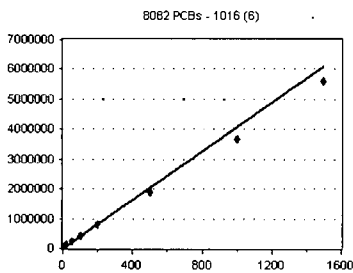


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD10012-CAL1 | 20 | 137417 | 6870.850 | 6.53 |
| OD10012-CAL2 | 50 | 312478 | 6249.560 | 6.53 |
| OD10012-CAL3 | 100 | 565722 | 5657.220 | 6.53 |
| OD10012-CAL4 | 200 | 1077762 | 5388.810 | 6.53 |
| OD10012-CAL5 | 500 | 2697487 | 5394.974 | 6.53 |
| OD10012-CAL6 | 1000 | 5043851 | 5043.851 | 6.53 |
| OD10012-CAL7 | 1500 | 7535657 | 5023.771 | 6.53 |

AVE RF 5661.291 **RF RSD** 11.94 **AVE RT** 6.53

1016 (6)

Curve Fit: **AVERAGE RF**

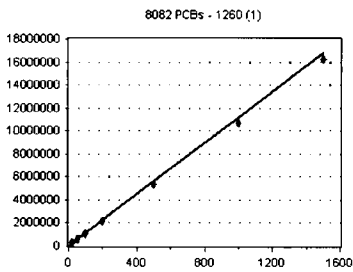


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD10012-CAL1 | 20 | 97959 | 4897.950 | 6.66 |
| OD10012-CAL2 | 50 | 223485 | 4469.700 | 6.66 |
| OD10012-CAL3 | 100 | 408608 | 4086.080 | 6.66 |
| OD10012-CAL4 | 200 | 781980 | 3909.900 | 6.66 |
| OD10012-CAL5 | 500 | 1880122 | 3760.244 | 6.66 |
| OD10012-CAL6 | 1000 | 3670234 | 3670.234 | 6.66 |
| OD10012-CAL7 | 1500 | 5583278 | 3722.185 | 6.66 |

AVE RF 4073.756 **RF RSD** 11.19 **AVE RT** 6.66

1260 (1)

Curve Fit: **AVERAGE RF**

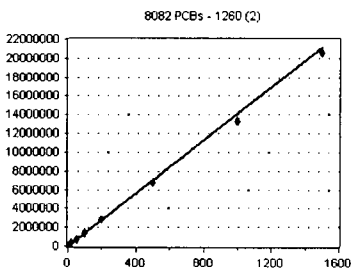


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 258659 | 12932.950 | 7.46 |
| OD10012-CAL2 | 50 | 589293 | 11785.860 | 7.46 |
| OD10012-CAL3 | 100 | 1097918 | 10979.180 | 7.46 |
| OD10012-CAL4 | 200 | 2141237 | 10706.180 | 7.46 |
| OD10012-CAL5 | 500 | 5308633 | 10617.270 | 7.46 |
| OD10012-CAL6 | 1000 | 069571E+07 | 10695.710 | 7.46 |
| OD10012-CAL7 | 1500 | 627337E+07 | 10848.910 | 7.46 |

AVE RF 11223.720 **RF RSD** 7.59 **AVE RT** 7.46

1260 (2)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 306481 | 15324.050 | 7.59 |
| OD10012-CAL2 | 50 | 729966 | 14599.320 | 7.59 |
| OD10012-CAL3 | 100 | 1427060 | 14270.600 | 7.59 |
| OD10012-CAL4 | 200 | 2810828 | 14054.140 | 7.59 |
| OD10012-CAL5 | 500 | 6824795 | 13649.590 | 7.59 |
| OD10012-CAL6 | 1000 | 333036E+07 | 13330.360 | 7.59 |
| OD10012-CAL7 | 1500 | 060808E+07 | 13738.720 | 7.59 |

AVE RF 14138.110 **RF RSD** 4.74 **AVE RT** 7.59

Element Calibration Review Sheet

Calibration ID: **A0D1302**

Instrument: **DUALECD2F**

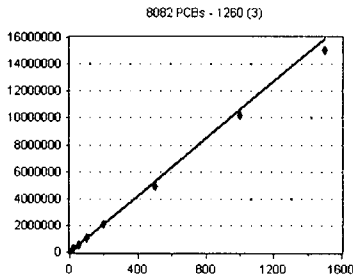
Calibration Date: **04/13/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20040**

1260 (3)

Curve Fit: **AVERAGE RF**

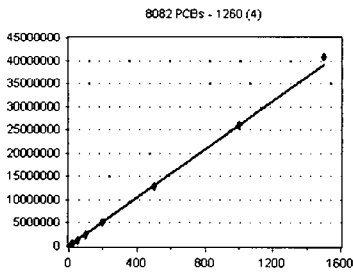


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 243912 | 12195.600 | 8.15 |
| OD10012-CAL2 | 50 | 560283 | 11205.660 | 8.15 |
| OD10012-CAL3 | 100 | 1056080 | 10560.800 | 8.15 |
| OD10012-CAL4 | 200 | 2034737 | 10173.680 | 8.15 |
| OD10012-CAL5 | 500 | 4921592 | 9843.184 | 8.15 |
| OD10012-CAL6 | 1000 | 019705E+07 | 10197.050 | 8.15 |
| OD10012-CAL7 | 1500 | 505728E+07 | 10038.190 | 8.15 |

AVE RF **10602.020** **RF RSD** **7.84** **AVE RT** **8.15**

1260 (4)

Curve Fit: **AVERAGE RF**

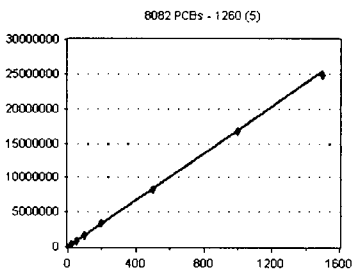


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|-------------|-----------------|------|
| OD10012-CAL1 | 20 | 532171 | 26608.550 | 8.32 |
| OD10012-CAL2 | 50 | 1308551 | 26171.020 | 8.32 |
| OD10012-CAL3 | 100 | 2550777 | 25507.770 | 8.32 |
| OD10012-CAL4 | 200 | 5070521 | 25352.610 | 8.32 |
| OD10012-CAL5 | 500 | 290677E+07 | 25813.540 | 8.32 |
| OD10012-CAL6 | 1000 | 1.59429E+07 | 25942.900 | 8.32 |
| OD10012-CAL7 | 1500 | 090211E+07 | 27268.070 | 8.32 |

AVE RF **26094.920** **RF RSD** **2.54** **AVE RT** **8.32**

1260 (5)

Curve Fit: **AVERAGE RF**

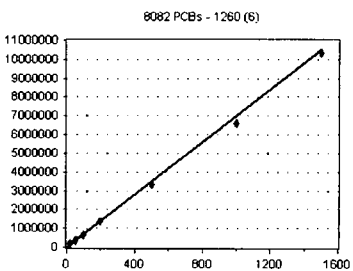


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 361897 | 18094.850 | 8.62 |
| OD10012-CAL2 | 50 | 850471 | 17009.420 | 8.62 |
| OD10012-CAL3 | 100 | 1683464 | 16834.640 | 8.62 |
| OD10012-CAL4 | 200 | 3367644 | 16838.220 | 8.62 |
| OD10012-CAL5 | 500 | 8226234 | 16452.470 | 8.62 |
| OD10012-CAL6 | 1000 | 675415E+07 | 16754.150 | 8.62 |
| OD10012-CAL7 | 1500 | 481419E+07 | 16542.790 | 8.62 |

AVE RF **16932.360** **RF RSD** **3.23** **AVE RT** **8.62**

1260 (6)

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|------------|-----------------|------|
| OD10012-CAL1 | 20 | 159541 | 7977.050 | 9.00 |
| OD10012-CAL2 | 50 | 370891 | 7417.820 | 9.00 |
| OD10012-CAL3 | 100 | 676553 | 6765.530 | 9.00 |
| OD10012-CAL4 | 200 | 1350079 | 6750.395 | 9.00 |
| OD10012-CAL5 | 500 | 3319255 | 6638.510 | 9.00 |
| OD10012-CAL6 | 1000 | 6589832 | 6589.832 | 9.00 |
| OD10012-CAL7 | 1500 | 036678E+07 | 6911.187 | 9.00 |

AVE RF **7007.189** **RF RSD** **7.26** **AVE RT** **9.00**

Element Calibration Review Sheet

Calibration ID: **A0D1302**

Instrument: **DUALECD2F**

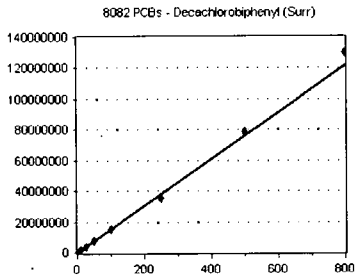
Calibration Date: **04/13/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



| <u>Standard</u> | <u>Concentration</u> | <u>Response</u> | <u>Response Factor</u> | <u>RT</u> |
|-----------------|----------------------|-----------------|------------------------|-----------|
| OD10012-CAL1 | 10 | 1478905 | 147890.500 | 9.48 |
| OD10012-CAL2 | 25 | 3809488 | 152379.500 | 9.48 |
| OD10012-CAL3 | 50 | 7498264 | 149965.300 | 9.48 |
| OD10012-CAL4 | 100 | 528828E+07 | 152882.800 | 9.48 |
| OD10012-CAL5 | 250 | 538203E+07 | 141528.100 | 9.48 |
| OD10012-CAL6 | 500 | 855999E+07 | 157120.000 | 9.49 |
| OD10012-CAL7 | 800 | 302882E+08 | 162860.300 | 9.49 |

AVE RF **152089.500** RF RSD **4.46** AVE RT **9.48**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10012

Analysis Included

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

INSTRUMENT SEQUENCE LOG

| SampleID | SampleName | Matrix | STDID | ISTD ID | Analized |
|--------------|-------------------|--------|---------|---------|---------------------|
| 0D10012-ICB1 | Initial Cal Blank | Water | A20C404 | | 4/10/2020 2:04:00PM |
| 0D10012-CAL1 | Cal Standard | Water | A19L280 | " | 4/10/2020 2:22:00PM |
| 0D10012-CAL2 | Cal Standard | Water | A19L281 | " | 4/10/2020 2:40:00PM |
| 0D10012-CAL3 | Cal Standard | Water | A19L282 | " | 4/10/2020 2:57:00PM |
| 0D10012-CAL4 | Cal Standard | Water | A19L283 | " | 4/10/2020 3:15:00PM |
| 0D10012-CAL5 | Cal Standard | Water | A19L276 | " | 4/10/2020 3:33:00PM |
| 0D10012-CAL6 | Cal Standard | Water | A19L278 | " | 4/10/2020 3:50:00PM |
| 0D10012-CAL7 | Cal Standard | Water | A19L279 | " | 4/10/2020 4:08:00PM |
| 0D10012-ICV1 | Initial Cal Check | Water | A20B355 | " | 4/10/2020 4:43:00PM |
| 0D10012-CAL8 | Cal Standard | Water | A20C117 | " | 4/10/2020 5:01:00PM |
| 0D10012-CAL9 | Cal Standard | Water | A20B322 | " | 4/10/2020 5:19:00PM |
| 0D10012-CALA | Cal Standard | Water | A20B323 | " | 4/10/2020 5:36:00PM |
| 0D10012-CALB | Cal Standard | Water | A20B324 | " | 4/10/2020 5:54:00PM |
| 0D10012-CALC | Cal Standard | Water | A20B325 | " | 4/10/2020 6:11:00PM |
| 0D10012-CALD | Cal Standard | Water | A20B326 | " | 4/10/2020 6:29:00PM |
| 0D10012-CALE | Cal Standard | Water | A20B327 | " | 4/10/2020 6:47:00PM |
| 0D10012-ICV2 | Initial Cal Check | Water | A20B353 | " | 4/10/2020 7:04:00PM |
| 0D10012-ICV3 | Initial Cal Check | Water | A19J367 | " | 4/10/2020 7:22:00PM |
| 0D10012-ICV4 | Initial Cal Check | Water | A20B354 | " | 4/10/2020 7:39:00PM |
| 0D10012-ICV5 | Initial Cal Check | Water | A20B130 | " | 4/10/2020 7:57:00PM |

CALIBRATION STANDARD RECOVERIES

Calibration: A0D1302

Instrument: DUALECD2F

1311/8082 TCLP PCBs

Sequence: 0D10012

Matrix: Water

| 0D10012-CAL1 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| Aroclor 1016 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 20.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 20.0 | 0 | |
| 0D10012-CAL2 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | | | | | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: **0D10012**

| | | | | | |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| Aroclor 1260 | 0.0000 | 0.00 | 50.0 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 50.0 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 50.0 | 0 | |
| 0D10012-CAL3 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 100 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 100 | 0 | |
| 0D10012-CAL4 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 200 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 200 | 0 | |
| 0D10012-CAL5 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CAL6 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 800.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 800.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1000 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1000 | 0 | |
| 0D10012-CAL7 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1016 | 800.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 800.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1016 | 0.0000 | 0.00 | 1500 | 0 | |
| Aroclor 1260 | 0.0000 | 0.00 | 1500 | 0 | |
| 0D10012-CAL8 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1221 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1221 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CAL9 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1232 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1232 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CALA | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1242 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1242 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CALB | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1248 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1248 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CALC | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1254 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1254 | 0.0000 | 0.00 | 500 | 0 | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10012

| 0D10012-CALD | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| Aroclor 1262 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1262 | 0.0000 | 0.00 | 500 | 0 | |
| 0D10012-CALE | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| Aroclor 1268 | 0.0000 | 0.00 | 500 | 0 | |
| Aroclor 1268 | 0.0000 | 0.00 | 500 | 0 | |

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

Analytes With Quadratic Curve Fits

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

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

ICV RECOVERIES

Calibration: **A0D1302** Instrument: **DUALECD2F**

8082 PCBs - Low Level (1000/ Sequence: **0D10012** Matrix: **Water**

| 0D10012-ICV1 | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
| | | | | | |

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:04 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/13/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|--------|----------|---------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.744 | 7927183 | 104.101 ng/ml |
| 62) S DCBP (S) | 9.487 | 15005894 | 98.665 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 3193 | 0.671 ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 5774 | 0.561 ng/ml |
| 4) Aroclor 1016 (3) | 6.149 | 6370 | 1.193 ng/ml |
| 5) Aroclor 1016 (4) | 6.309 | 7535 | 1.562 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 7138 | 1.261 ng/ml |
| 7) Aroclor 1016 (6) | 6.661 | 6835 | 1.678 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.103 | 179396 | 123.705 ng/ml |
| 10) Aroclor 1221 (2) | 5.268f | 11532 | 11.797 ng/ml |
| 11) Aroclor 1221 (3) | 5.311 | 8995 | 2.839 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.311 | 8995 | 3.467 ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 5774 | 1.362 ng/ml |
| 15) Aroclor 1232 (3) | 6.149 | 6370 | 2.865 ng/ml |
| 16) Aroclor 1232 (4) | 6.309 | 7535 | 4.578 ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 7138 | 3.312 ng/ml |
| 18) Aroclor 1232 (6) | 6.661 | 6835 | 3.900 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 3193 | 0.878 ng/ml |
| 21) Aroclor 1242 (2) | 6.072 | 5774 | 0.726 ng/ml |
| 22) Aroclor 1242 (3) | 6.149 | 6370 | 1.592 ng/ml |
| 23) Aroclor 1242 (4) | 6.309 | 7535 | 2.269 ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 7138 | 1.651 ng/ml |
| 25) Aroclor 1242 (6) | 6.661 | 6835 | 1.896 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.072 | 5774 | 1.179 ng/ml |
| 28) Aroclor 1248 (2) | 6.309 | 7535 | 1.258 ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 7138 | 1.062 ng/ml |
| 30) Aroclor 1248 (4) | 6.831 | 3558 | 0.433 ng/ml |
| 31) Aroclor 1248 (5) | 6.874 | 3829 | 0.486 ng/ml |
| 32) Aroclor 1248 (6) | 7.348 | 8368 | 1.839 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.846 | 3940 | 0.453 ng/ml |
| 35) Aroclor 1254 (2) | 6.975 | 1558 | 0.139 ng/ml |
| 36) Aroclor 1254 (3) | 7.348 | 8368 | 0.498 ng/ml |
| 37) Aroclor 1254 (4) | 7.501 | 2297 | 0.215 ng/ml |
| 38) Aroclor 1254 (5) | 7.897 | 17881 | 1.522 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 2584 | 0.686 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.463 | 3668 | 0.327 ng/ml |
| 42) Aroclor 1260 (2) | 7.587 | 1548 | 0.109 ng/ml |
| 43) Aroclor 1260 (3) | 8.146 | 5257 | 0.496 ng/ml |
| 44) Aroclor 1260 (4) | 8.314 | 21362 | 0.819 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:04 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 8.622 | 6533 | 0.386 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 5305 | 0.757 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 7.587 | 1548 | 0.140 | ng/ml |
| 49) | Aroclor 1262 (2) | 7.897 | 17881 | 1.178 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.146 | 5257 | 0.399 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.314 | 21362 | 0.726 | ng/ml |
| 52) | Aroclor 1262 (5) | 8.622 | 6533 | 0.360 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.004 | 5305 | 0.549 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.146 | 5257 | 0.740 | ng/ml |
| 56) | Aroclor 1268 (2) | 8.568 | 5072 | 0.146 | ng/ml |
| 57) | Aroclor 1268 (3) | 8.622 | 6533 | 0.226 | ng/ml |
| 58) | Aroclor 1268 (4) | 8.796 | 320613 | 12.496 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.004 | 5305 | 0.488 | ng/ml |
| 60) | Aroclor 1268 (6) | 9.257 | 614100 | 7.839 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

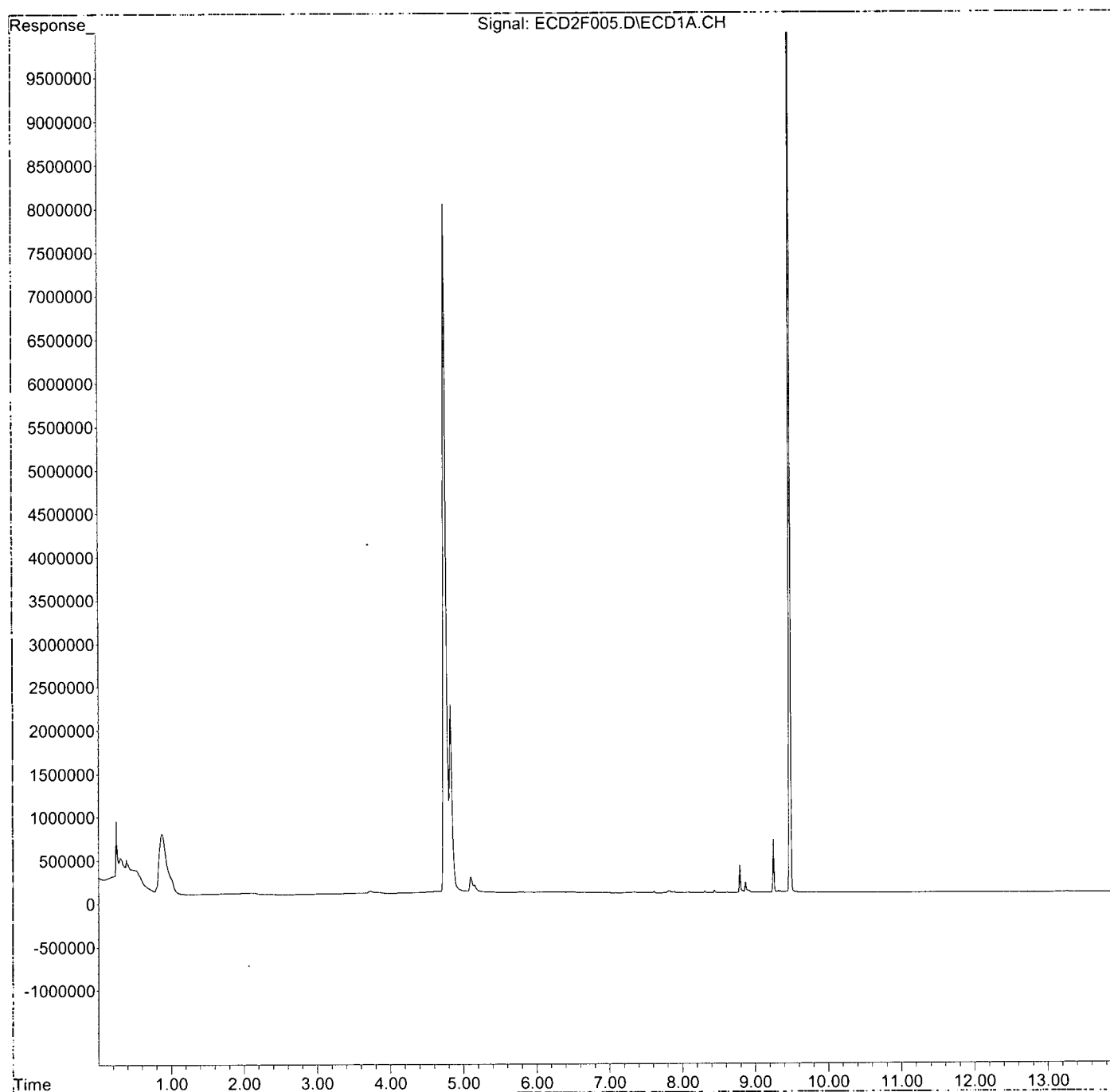
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:26 pm
 Operator : MJB / KAK
 Sample : 0D10012-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/13/20
 Clean

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

| Compound | R.T. | Response | Conc Units |
|-----------------------------|-------|----------|-------------|
| System Monitoring Compounds | | | |
| 1) S TCMX (S) | 4.737 | 12981 | 0.170 ng/ml |
| 62) S DCBP (S) | 9.483 | 38072 | 0.250 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 4598 | 0.966 ng/ml |
| 3) Aroclor 1016 (2) | 6.088 | 20226 | 1.965 ng/ml |
| 4) Aroclor 1016 (3) | 6.141 | 8480 | 1.588 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 8139 | 1.687 ng/ml |
| 6) Aroclor 1016 (5) | 6.537 | 9926 | 1.753 ng/ml |
| 7) Aroclor 1016 (6) | 6.661 | 6826 | 1.675 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.090 | 8301 | 5.724 ng/ml |
| 10) Aroclor 1221 (2) | 5.216 | 9599 | 9.819 ng/ml |
| 11) Aroclor 1221 (3) | 5.295 | 6411 | 2.023 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.295 | 6411 | 2.471 ng/ml |
| 14) Aroclor 1232 (2) | 6.088 | 20226 | 4.770 ng/ml |
| 15) Aroclor 1232 (3) | 6.166 | 13617 | 6.125 ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 8139 | 4.944 ng/ml |
| 17) Aroclor 1232 (5) | 6.537 | 9926 | 4.605 ng/ml |
| 18) Aroclor 1232 (6) | 6.661 | 6826 | 3.895 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 4598 | 1.264 ng/ml |
| 21) Aroclor 1242 (2) | 6.088 | 20226 | 2.545 ng/ml |
| 22) Aroclor 1242 (3) | 6.141 | 8480 | 2.120 ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 8139 | 2.451 ng/ml |
| 24) Aroclor 1242 (5) | 6.537 | 9926 | 2.296 ng/ml |
| 25) Aroclor 1242 (6) | 6.661 | 6826 | 1.894 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.088 | 20226 | 4.131 ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 8139 | 1.358 ng/ml |
| 29) Aroclor 1248 (3) | 6.537 | 9926 | 1.476 ng/ml |
| 30) Aroclor 1248 (4) | 6.828 | 5554 | 0.676 ng/ml |
| 31) Aroclor 1248 (5) | 6.866 | 5303 | 0.673 ng/ml |
| 32) Aroclor 1248 (6) | 7.342 | 9400 | 2.066 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.861 | 5057 | 0.582 ng/ml |
| 35) Aroclor 1254 (2) | 6.972 | 3770 | 0.336 ng/ml |
| 36) Aroclor 1254 (3) | 7.342 | 9400 | 0.559 ng/ml |
| 37) Aroclor 1254 (4) | 7.504 | 3258 | 0.305 ng/ml |
| 38) Aroclor 1254 (5) | 7.887 | 8061 | 0.686 ng/ml |
| 39) Aroclor 1254 (6) | 8.175 | 2659 | 0.705 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 8702 | 0.775 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 5785 | 0.409 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 5197 | 0.490 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 9054 | 0.347 ng/ml |

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:26 pm
 Operator : MJB / KAK
 Sample : 0D10012-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|-------------|
| 45) | Aroclor 1260 (5) | 8.616 | 7224 | 0.427 ng/ml |
| 46) | Aroclor 1260 (6) | 9.002 | 4579 | 0.653 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 7.594 | 5785 | 0.524 ng/ml |
| 49) | Aroclor 1262 (2) | 7.918 | 5124 | 0.338 ng/ml |
| 50) | Aroclor 1262 (3) | 8.148 | 5197 | 0.395 ng/ml |
| 51) | Aroclor 1262 (4) | 8.319 | 9054 | 0.308 ng/ml |
| 52) | Aroclor 1262 (5) | 8.616 | 7224 | 0.399 ng/ml |
| 53) | Aroclor 1262 (6) | 9.002 | 4579 | 0.474 ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 8.130 | 4001 | 0.564 ng/ml |
| 56) | Aroclor 1268 (2) | 8.565 | 2232 | 0.064 ng/ml |
| 57) | Aroclor 1268 (3) | 8.616 | 7224 | 0.250 ng/ml |
| 58) | Aroclor 1268 (4) | 8.791 | 3254 | 0.127 ng/ml |
| 59) | Aroclor 1268 (5) | 9.002 | 4579 | 0.421 ng/ml |
| 60) | Aroclor 1268 (6) | 9.257 | 5057 | 0.065 ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

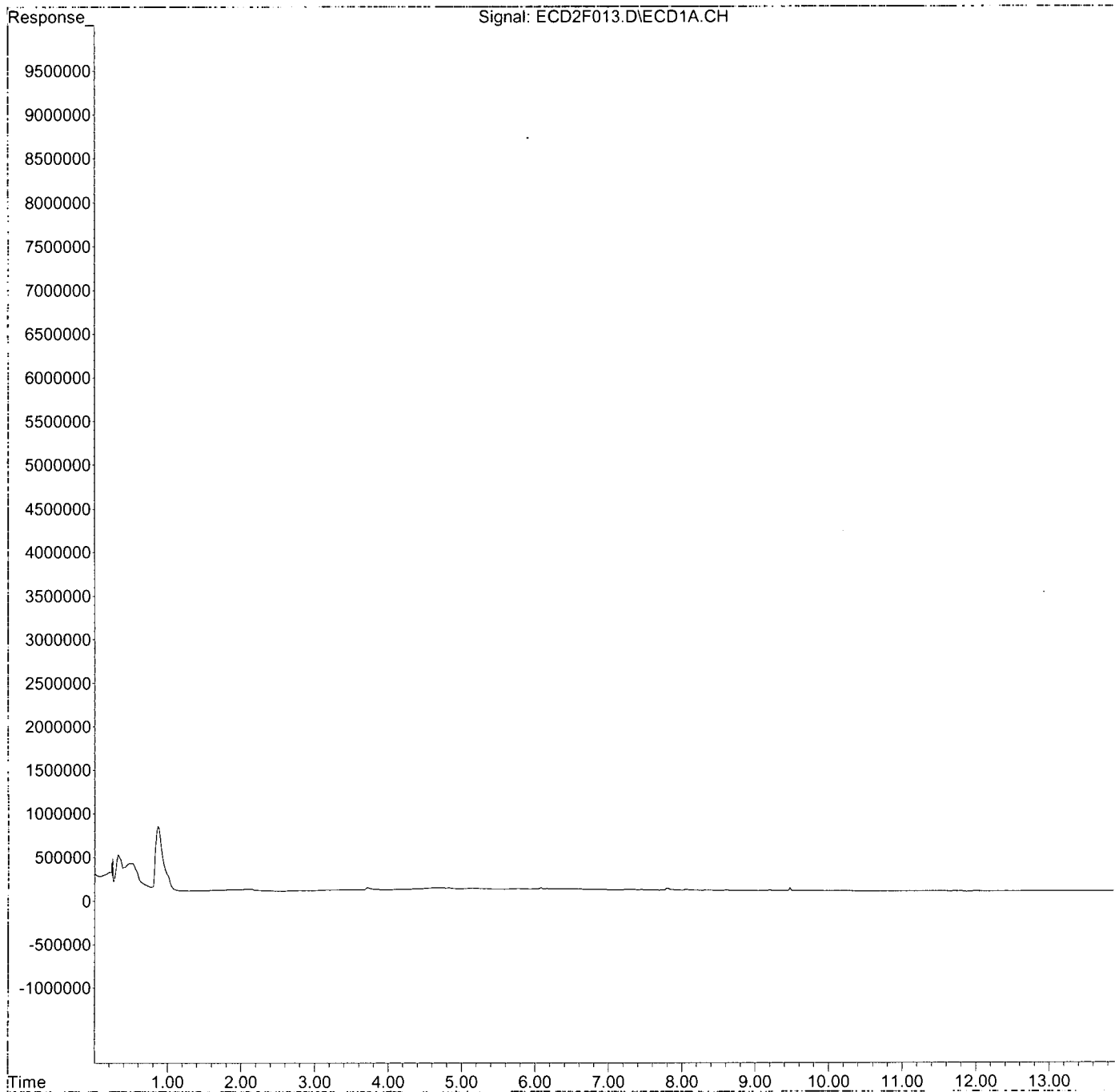
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:26 pm
Operator : MJB / KAK
Sample : 0D10012-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:43 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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

Handwritten: 4/13/20
 1016, 1260

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.744 | 16091933 | 211.322 | ng/ml |
| 62) S DCBP (S) | 9.484 | 31423958 | 206.615 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.660 | 2300760 | 483.309 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 5116324 | 497.176 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 2656866 | 497.659 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2204308 | 456.919 | ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 2729898 | 482.204 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1906785 | 468.066 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.100 | 521880 | 359.868 | ng/ml |
| 10) Aroclor 1221 (2) | 5.217 | 254915 | 260.770 | ng/ml |
| 11) Aroclor 1221 (3) | 5.297 | 1115048 | 351.892 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.297 | 1115048 | 429.736 | ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 5116324 | 1206.633 | ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 2656866 | 1195.027 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 2204308 | 1339.159 | ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 2729898 | 1266.423 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 1906785 | 1088.120 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.660 | 2300760 | 632.394 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 5116324 | 643.670 | ng/ml |
| 22) Aroclor 1242 (3) | 6.154 | 2656866 | 664.186 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 2204308 | 663.716 | ng/ml |
| 24) Aroclor 1242 (5) | 6.533 | 2729898 | 631.417 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1906785 | 529.069 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 5116324 | 1044.938 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2204308 | 367.852 | ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 2729898 | 405.963 | ng/ml |
| 30) Aroclor 1248 (4) | 6.827 | 473648 | 57.611 | ng/ml |
| 31) Aroclor 1248 (5) | 6.859 | 2067845 | 262.397 | ng/ml |
| 32) Aroclor 1248 (6) | 7.347 | 4410695 | 969.203 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 2067845 | 237.985 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 2243933 | 199.711 | ng/ml |
| 36) Aroclor 1254 (3) | 7.347 | 4410695 | 262.367 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 481234 | 45.067 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 6287937 | 535.167 | ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 694310 | 184.160 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 6012253 | 535.674 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 7486857 | 529.551 | ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 4891070 | 461.334 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 12195863 | 467.365 | ng/ml |

Handwritten: 480.889

Handwritten: 473.568

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:43 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:00:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|---------|-------|
| 45) | Aroclor 1260 (5) | 8.616 | 7971058 | 470.759 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 2639773 | 376.723 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 7.593 | 7486857 | 677.599 | ng/ml |
| 49) | Aroclor 1262 (2) | 7.916 | 4554252 | 299.967 | ng/ml |
| 50) | Aroclor 1262 (3) | 8.148 | 4891070 | 371.384 | ng/ml |
| 51) | Aroclor 1262 (4) | 8.319 | 12195863 | 414.530 | ng/ml |
| 52) | Aroclor 1262 (5) | 8.616 | 7971058 | 439.768 | ng/ml |
| 53) | Aroclor 1262 (6) | 9.004 | 2639773 | 273.322 | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 8.148 | 4891070 | 688.925 | ng/ml |
| 56) | Aroclor 1268 (2) | 8.565 | 2298335 | 66.005 | ng/ml |
| 57) | Aroclor 1268 (3) | 8.616 | 7971058 | 275.389 | ng/ml |
| 58) | Aroclor 1268 (4) | 8.791 | 377802 | 14.725 | ng/ml |
| 59) | Aroclor 1268 (5) | 9.004 | 2639773 | 242.859 | ng/ml |
| 60) | Aroclor 1268 (6) | 9.255 | 785565 | 10.028 | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

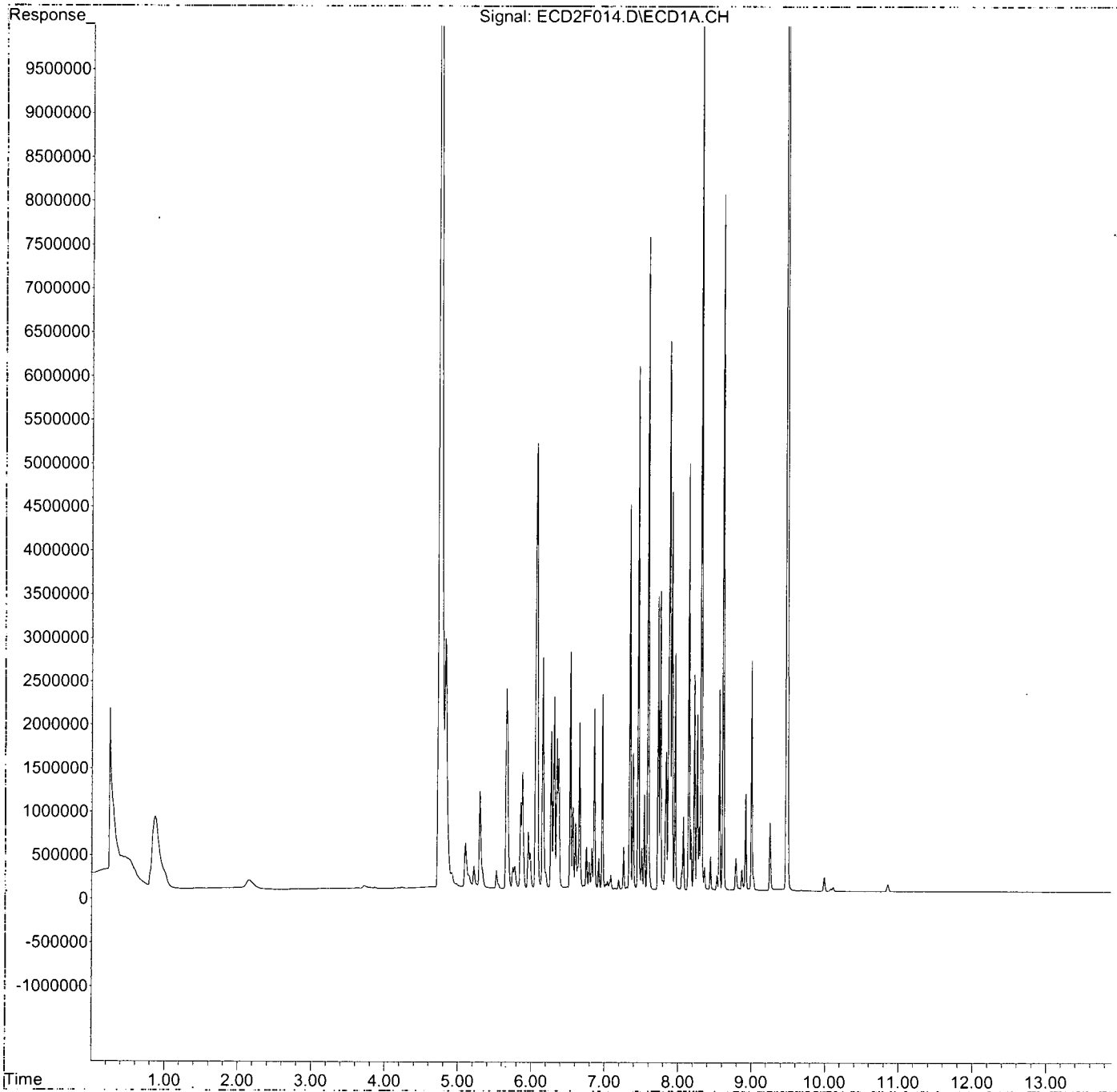
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:43 pm
Operator : MJB / KAK
Sample : 0D10012-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:04 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

MJB
 4/13/20

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1221, 1254

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) | 4.745 | 3112652 | 40.876 ng/ml |
| 62) S DCBP (S) | 9.482 | 13031062 | 85.680 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.660 | 556324 | 116.864 ng/ml |
| 3) Aroclor 1016 (2) | 6.070 | 769716 | 74.797 ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 458760 | 85.931 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2557194 | 530.067 ng/ml |
| 6) Aroclor 1016 (5) | 6.531 | 1663787 | 293.888 ng/ml |
| 7) Aroclor 1016 (6) | 6.657 | 741417 | 181.998 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.097 | 1418537 | 978.167 ng/ml |
| 10) Aroclor 1221 (2) | 5.215 | 985311 | 1007.942 ng/ml |
| 11) Aroclor 1221 (3) | 5.296 | 3099112 | 978.033 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.296 | 3099112 | 1194.387 ng/ml |
| 14) Aroclor 1232 (2) | 6.070 | 769716 | 181.530 ng/ml |
| 15) Aroclor 1232 (3) | 6.153 | 458760 | 206.345 ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 2557194 | 1553.543 ng/ml |
| 17) Aroclor 1232 (5) | 6.531 | 1663787 | 771.846 ng/ml |
| 18) Aroclor 1232 (6) | 6.657 | 741417 | 423.095 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.660 | 556324 | 152.913 ng/ml |
| 21) Aroclor 1242 (2) | 6.070 | 769716 | 96.836 ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 458760 | 114.685 ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 2557194 | 769.970 ng/ml |
| 24) Aroclor 1242 (5) | 6.531 | 1663787 | 384.829 ng/ml |
| 25) Aroclor 1242 (6) | 6.657 | 741417 | 205.718 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.070 | 769716 | 157.204 ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2557194 | 426.741 ng/ml |
| 29) Aroclor 1248 (3) | 6.531 | 1663787 | 247.422 ng/ml |
| 30) Aroclor 1248 (4) | 6.825 | 2511095 | 305.432 ng/ml |
| 31) Aroclor 1248 (5) | 6.858 | 4445962 | 564.166 ng/ml |
| 32) Aroclor 1248 (6) | 7.340 | 8211123 | 1804.306 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.858 | 4445962 | 511.678 ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 5499442 | 489.453 ng/ml |
| 36) Aroclor 1254 (3) | 7.340 | 8211123 | 488.432 ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 5279145 | 494.386 ng/ml |
| 38) Aroclor 1254 (5) | 7.884 | 5684364 | 483.797 ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 1738200 | 461.044 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 3096373 | 275.878 ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 3611399 | 255.437 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 492731 | 46.475 ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 1214208 | 46.530 ng/ml |

988.047

488.132

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:04 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 8.616 | 992423 | 58.611 | ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 82648 | 11.795 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 3611399 | 326.850 | ng/ml |
| 49) Aroclor 1262 (2) | 7.884 | 5684364 | 374.403 | ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 492731 | 37.414 | ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 1214208 | 41.270 | ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 992423 | 54.753 | ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 82648 | 8.557 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 492731 | 69.403 | ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 63553 | 1.825 | ng/ml |
| 57) Aroclor 1268 (3) | 8.616 | 992423 | 34.287 | ng/ml |
| 58) Aroclor 1268 (4) | 8.791 | 99360 | 3.873 | ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 82648 | 7.604 | ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 93221 | 1.190 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

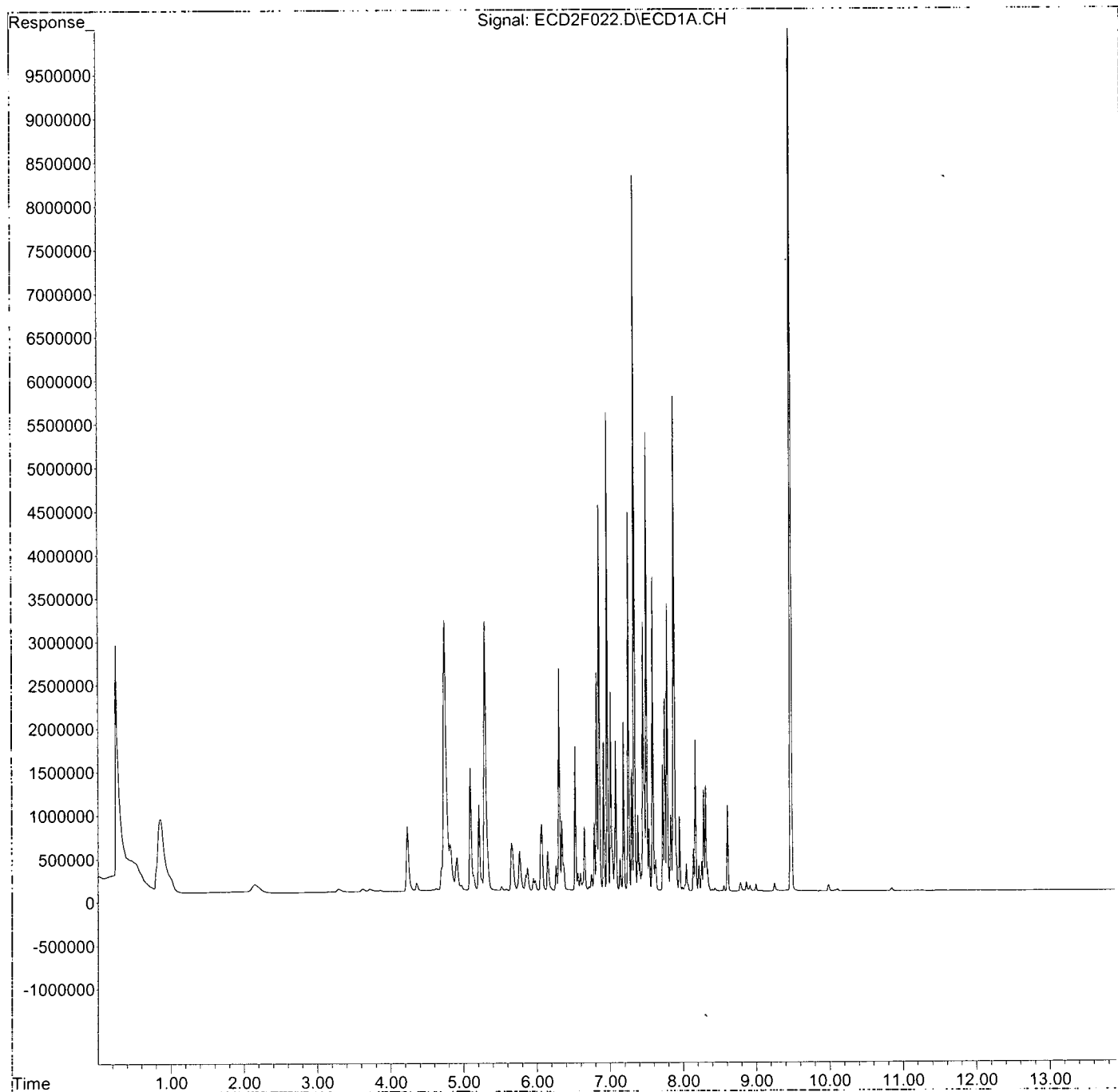
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV3
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Handwritten: 4/13/20

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1232, 1262

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) | 4.740 | 3082872 | 40.485 ng/ml |
| 62) S DCBP (S) | 9.482 | 13986793 | 91.964 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.657 | 1114047 | 234.022 ng/ml |
| 3) Aroclor 1016 (2) | 6.069 | 2422589 | 235.414 ng/ml |
| 4) Aroclor 1016 (3) | 6.152 | 1236995 | 231.702 ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 962412 | 199.493 ng/ml |
| 6) Aroclor 1016 (5) | 6.531 | 1208375 | 213.445 ng/ml |
| 7) Aroclor 1016 (6) | 6.657 | 973612 | 238.996 ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. ng/ml |
| 9) Aroclor 1221 (1) | 5.098 | 509588 | 351.392 ng/ml |
| 10) Aroclor 1221 (2) | 5.215 | 391888 | 400.889 ng/ml |
| 11) Aroclor 1221 (3) | 5.296 | 1398531 | 441.355 ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 5.296 | 1398531 | 538.989 ng/ml |
| 14) Aroclor 1232 (2) | 6.069 | 2422589 | 571.343 ng/ml |
| 15) Aroclor 1232 (3) | 6.152 | 1236995 | 556.386 ng/ml |
| 16) Aroclor 1232 (4) | 6.310 | 962412 | 584.684 ng/ml |
| 17) Aroclor 1232 (5) | 6.531 | 1208375 | 560.576 ng/ml |
| 18) Aroclor 1232 (6) | 6.657 | 973612 | 555.598 ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 5.657 | 1114047 | 306.210 ng/ml |
| 21) Aroclor 1242 (2) | 6.069 | 2422589 | 304.779 ng/ml |
| 22) Aroclor 1242 (3) | 6.152 | 1236995 | 309.235 ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 962412 | 289.782 ng/ml |
| 24) Aroclor 1242 (5) | 6.531 | 1208375 | 279.493 ng/ml |
| 25) Aroclor 1242 (6) | 6.657 | 973612 | 270.145 ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 6.069 | 2422589 | 494.780 ng/ml |
| 28) Aroclor 1248 (2) | 6.310 | 962412 | 160.606 ng/ml |
| 29) Aroclor 1248 (3) | 6.531 | 1208375 | 179.697 ng/ml |
| 30) Aroclor 1248 (4) | 6.825 | 1268696 | 154.315 ng/ml |
| 31) Aroclor 1248 (5) | 6.861 | 1793214 | 227.548 ng/ml |
| 32) Aroclor 1248 (6) | 7.346 | 3953150 | 868.662 ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 6.861 | 1793214 | 206.378 ng/ml |
| 35) Aroclor 1254 (2) | 6.969 | 1076258 | 95.787 ng/ml |
| 36) Aroclor 1254 (3) | 7.346 | 3953150 | 235.150 ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 431433 | 40.403 ng/ml |
| 38) Aroclor 1254 (5) | 7.884 | 2910958 | 247.752 ng/ml |
| 39) Aroclor 1254 (6) | 8.174 | 215002 | 57.028 ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 4995075 | 445.046 ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 5914709 | 418.352 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 7094749 | 669.188 ng/ml |
| 44) Aroclor 1260 (4) | 8.317 | 15635968 | 599.196 ng/ml |

Handwritten: 561.263

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV3
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.615 | 9698469 | 572.777 ng/ml |
| 46) Aroclor 1260 (6) | 9.002 | 5039184 | 719.144 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 5914709 | 535.312 ng/ml |
| 49) Aroclor 1262 (2) | 7.915 | 8554800 | 563.465 ng/ml |
| 50) Aroclor 1262 (3) | 8.147 | 7094749 | 538.712 ng/ml |
| 51) Aroclor 1262 (4) | 8.317 | 15635968 | 531.457 ng/ml |
| 52) Aroclor 1262 (5) | 8.615 | 9698469 | 535.070 ng/ml |
| 53) Aroclor 1262 (6) | 9.002 | 5039184 | 521.757 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.147 | 7094749 | 999.322 ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 5762422 | 165.488 ng/ml |
| 57) Aroclor 1268 (3) | 8.615 | 9698469 | 335.069 ng/ml |
| 58) Aroclor 1268 (4) | 8.792 | 465399 | 18.139 ng/ml |
| 59) Aroclor 1268 (5) | 9.002 | 5039184 | 463.605 ng/ml |
| 60) Aroclor 1268 (6) | 9.254 | 1614519 | 20.609 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

537.629

(f)=RT Delta > 1/2 Window

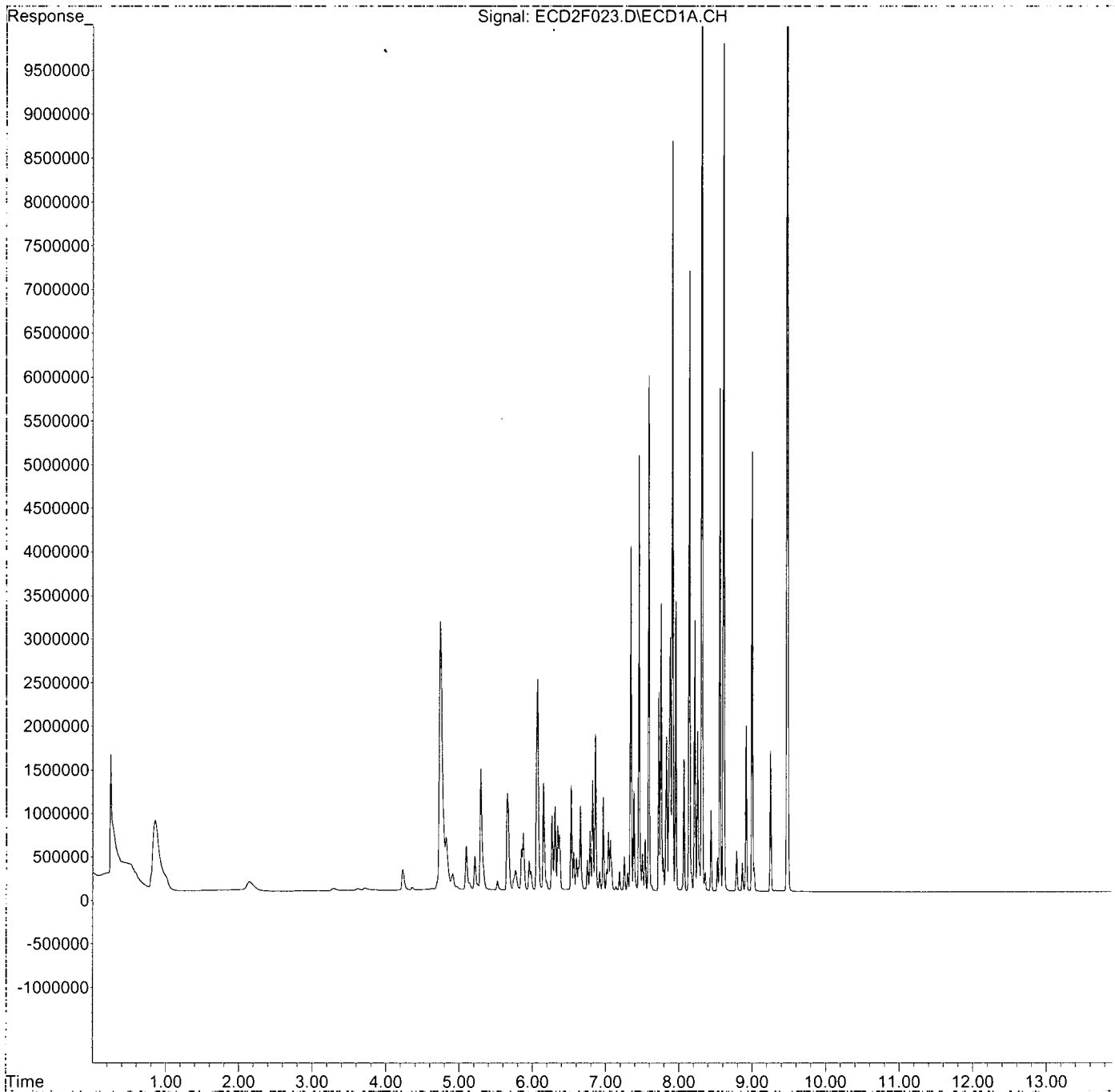
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:22 pm
Operator : MJB / KAK
Sample : 0D10012-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:39 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Handwritten: 4/13/20

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1242, 1268

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) | 4.745 | 3080802 | 40.458 | ng/ml |
| 62) S DCBP (S) | 9.483 | 6403363 | 42.103 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 1962347 | 412.220 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 4223266 | 410.393 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 2199902 | 412.064 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 1807046 | 374.573 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2338278 | 413.029 | ng/ml |
| 7) Aroclor 1016 (6) | 6.657 | 1892022 | 464.442 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.099 | 198991 | 137.216 | ng/ml |
| 10) Aroclor 1221 (2) | 5.217 | 228038 | 233.276 | ng/ml |
| 11) Aroclor 1221 (3) | 5.297 | 969969 | 306.107 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.297 | 969969 | 373.823 | ng/ml |
| 14) Aroclor 1232 (2) | 6.071 | 4223266 | 996.014 | ng/ml |
| 15) Aroclor 1232 (3) | 6.153 | 2199902 | 989.490 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 1807046 | 1097.815 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 2338278 | 1084.748 | ng/ml |
| 18) Aroclor 1232 (6) | 6.657 | 1892022 | 1079.696 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 1962347 | 539.377 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 4223266 | 531.317 | ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 2199902 | 549.950 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 1807046 | 544.101 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 2338278 | 540.836 | ng/ml |
| 25) Aroclor 1242 (6) | 6.657 | 1892022 | 524.973 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.071 | 4223266 | 862.543 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 1807046 | 301.558 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 2338278 | 347.725 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 2402212 | 292.188 | ng/ml |
| 31) Aroclor 1248 (5) | 6.864 | 2461062 | 312.294 | ng/ml |
| 32) Aroclor 1248 (6) | 7.340 | 792529 | 174.150 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.864 | 2461062 | 283.239 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 561381 | 49.963 | ng/ml |
| 36) Aroclor 1254 (3) | 7.340 | 792529 | 47.143 | ng/ml |
| 37) Aroclor 1254 (4) | 7.507 | 536873 | 50.278 | ng/ml |
| 38) Aroclor 1254 (5) | 7.887 | 110697 | 9.421 | ng/ml |
| 39) Aroclor 1254 (6) | 8.176 | 57397 | 15.224 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.480 | 287831 | 25.645 | ng/ml |
| 42) Aroclor 1260 (2) | 7.592 | 107403 | 7.597 | ng/ml |
| 43) Aroclor 1260 (3) | 8.139 | 3546280 | 334.491 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 1696485 | 65.012 | ng/ml |

Handwritten: 538.426

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:39 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:01:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.612 | 14509237 | 856.894 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 5759847 | 821.991 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 7.592 | 107403 | 9.721 ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 3048518 | 200.792 ng/ml |
| 50) Aroclor 1262 (3) | 8.139 | 3546280 | 269.273 ng/ml |
| 51) Aroclor 1262 (4) | 8.318 | 1696485 | 57.662 ng/ml |
| 52) Aroclor 1262 (5) | 8.612 | 14509237 | 800.483 ng/ml |
| 53) Aroclor 1262 (6) | 9.004 | 5759847 | 596.374 ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 8.139 | 3546280 | 499.507 ng/ml |
| 56) Aroclor 1268 (2) | 8.565 | 17584275 | 504.993 ng/ml |
| 57) Aroclor 1268 (3) | 8.612 | 14509237 | 501.274 ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 12812192 | 499.349 ng/ml |
| 59) Aroclor 1268 (5) | 9.004 | 5759847 | 529.906 ng/ml |
| 60) Aroclor 1268 (6) | 9.256 | 37041274 | 472.823 ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

501.309

(f)=RT Delta > 1/2 Window

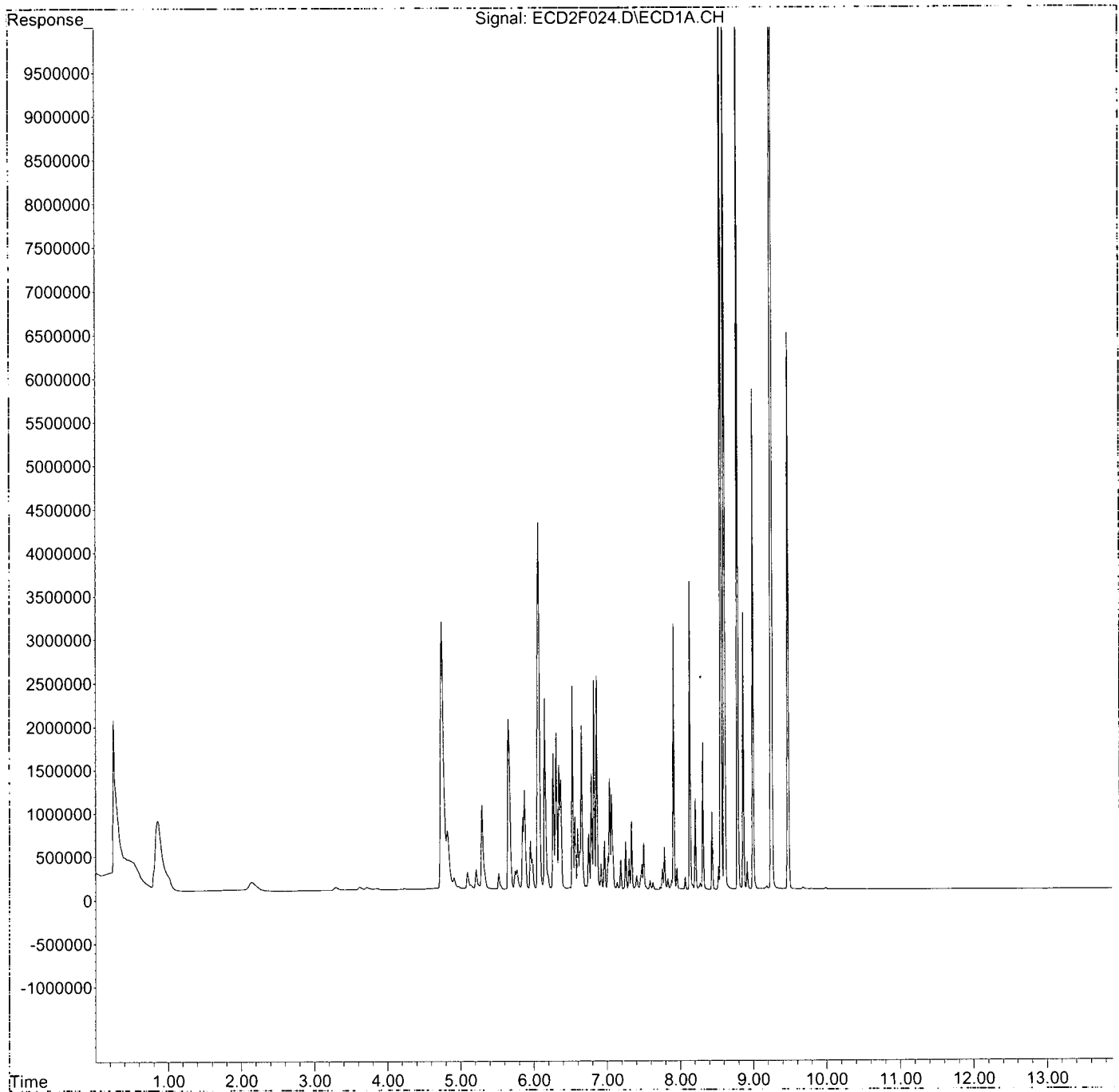
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:39 pm
Operator : MJB / KAK
Sample : 0D10012-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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 (Not Reviewed)

Data Path : K:\DATA\OD10012\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:57 pm
 Operator : MJB / KAK
 Sample : OD10012-ICV5
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:02:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/13/20

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

Handwritten: 1248

| Compound | R.T. | Response | Conc | Units |
|-----------------------------|-------|----------|----------|-------|
| System Monitoring Compounds | | | | |
| 1) S TCMX (S) | 4.755 | 12762 | 0.168 | ng/ml |
| 62) S DCBP (S) | 9.484 | 5519 | 0.036 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.658 | 971149 | 204.004 | ng/ml |
| 3) Aroclor 1016 (2) | 6.069 | 2429144 | 236.051 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 1220831 | 228.674 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 3269349 | 677.686 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 3815094 | 673.891 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 2942753 | 722.369 | ng/ml |
| 8) Aroclor 1016 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 9) Aroclor 1221 (1) | 5.100 | 22713 | 15.662 | ng/ml |
| 10) Aroclor 1221 (2) | 5.218 | 27456 | 28.087 | ng/ml |
| 11) Aroclor 1221 (3) | 5.298 | 111322 | 35.132 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.298 | 111322 | 42.903 | ng/ml |
| 14) Aroclor 1232 (2) | 6.069 | 2429144 | 572.889 | ng/ml |
| 15) Aroclor 1232 (3) | 6.153 | 1220831 | 549.116 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 3269349 | 1986.191 | ng/ml |
| 17) Aroclor 1232 (5) | 6.532 | 3815094 | 1769.855 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 2942753 | 1679.303 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.658 | 971149 | 266.933 | ng/ml |
| 21) Aroclor 1242 (2) | 6.069 | 2429144 | 305.604 | ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 1220831 | 305.194 | ng/ml |
| 23) Aroclor 1242 (4) | 6.311 | 3269349 | 984.399 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 3815094 | 882.419 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 2942753 | 816.516 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.069 | 2429144 | 496.119 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 3269349 | 545.585 | ng/ml |
| 29) Aroclor 1248 (3) | 6.532 | 3815094 | 567.342 | ng/ml |
| 30) Aroclor 1248 (4) | 6.826 | 4314364 | 524.768 | ng/ml |
| 31) Aroclor 1248 (5) | 6.864 | 4473751 | 567.693 | ng/ml |
| 32) Aroclor 1248 (6) | 7.340 | 2363165 | 519.280 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.864 | 4473751 | 514.876 | ng/ml |
| 35) Aroclor 1254 (2) | 6.970 | 1482536 | 131.946 | ng/ml |
| 36) Aroclor 1254 (3) | 7.340 | 2363165 | 140.571 | ng/ml |
| 37) Aroclor 1254 (4) | 7.507 | 1600758 | 149.909 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 380667 | 32.399 | ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 151757 | 40.252 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.480 | 810602 | 72.222 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 227693 | 16.105 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 39074 | 3.686 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 94680 | 3.628 | ng/ml |

Handwritten: 536.798

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F025.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 7:57 pm
 Operator : MJB / KAK
 Sample : 0D10012-ICV5
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 09:02:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|--------------|
| 45) | Aroclor 1260 (5) | 8.617 | 73269 | 4.327 ng/ml |
| 46) | Aroclor 1260 (6) | 9.003 | 22788 | 3.252 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 7.593 | 227693 | 20.607 ng/ml |
| 49) | Aroclor 1262 (2) | 7.886 | 380667 | 25.073 ng/ml |
| 50) | Aroclor 1262 (3) | 8.147 | 39074 | 2.967 ng/ml |
| 51) | Aroclor 1262 (4) | 8.318 | 94680 | 3.218 ng/ml |
| 52) | Aroclor 1262 (5) | 8.617 | 73269 | 4.042 ng/ml |
| 53) | Aroclor 1262 (6) | 9.003 | 22788 | 2.359 ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 8.147 | 39074 | 5.504 ng/ml |
| 56) | Aroclor 1268 (2) | 8.565 | 21865 | 0.628 ng/ml |
| 57) | Aroclor 1268 (3) | 8.617 | 73269 | 2.531 ng/ml |
| 58) | Aroclor 1268 (4) | 8.790 | 5247 | 0.204 ng/ml |
| 59) | Aroclor 1268 (5) | 9.003 | 22788 | 2.096 ng/ml |
| 60) | Aroclor 1268 (6) | 9.255 | 11966 | 0.153 ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

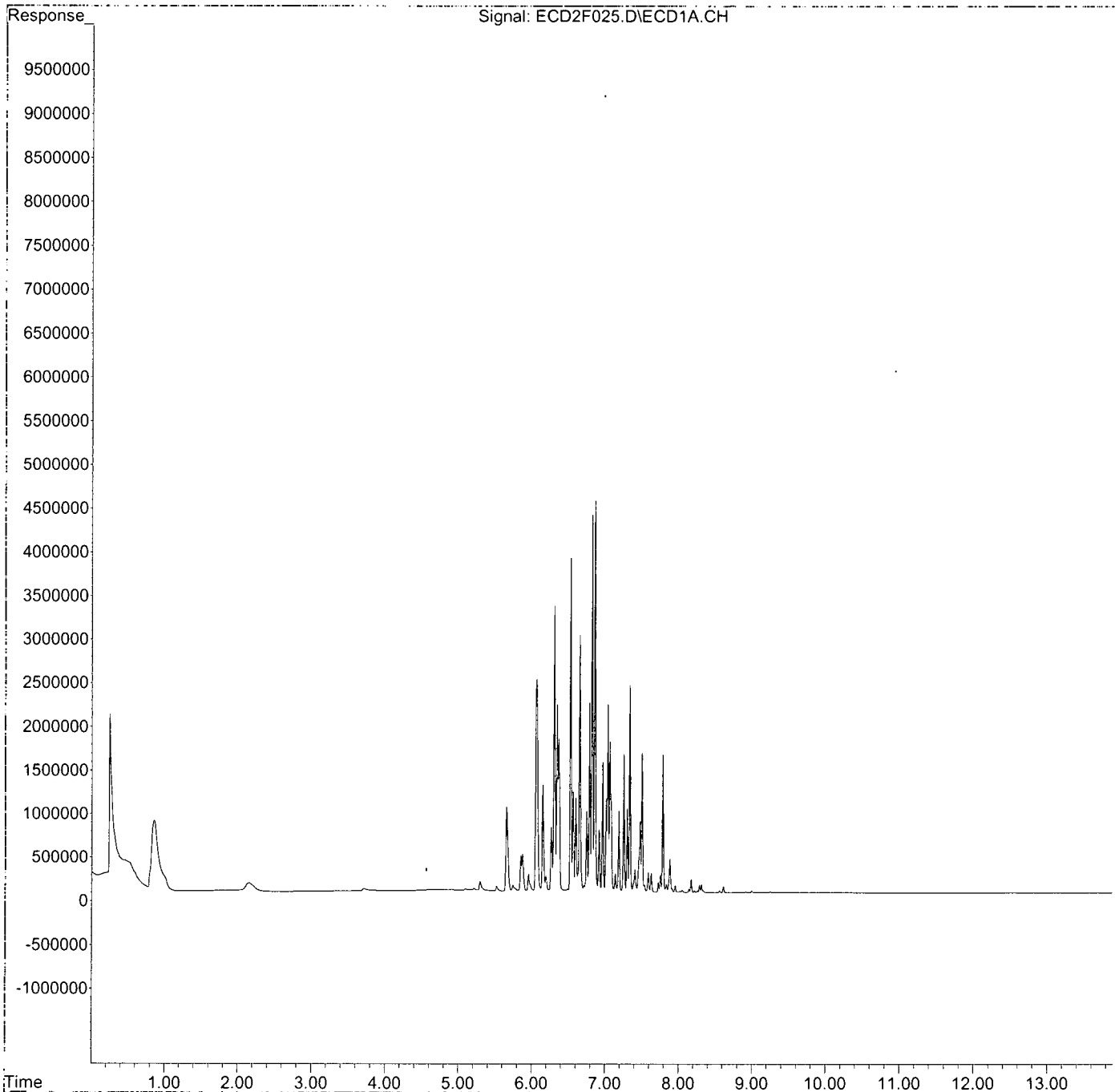
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:57 pm
Operator : MJB / KAK
Sample : 0D10012-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:02:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:42:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.747 | 653005 | 8.575 ng/ml ✓ |
| 62) S DCBP (S) | 9.484 | 1478905 | 9.724 ng/ml ✓ |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.660 | 112716 | 23.678 ng/ml |
| 3) Aroclor 1016 (2) | 6.073 | 216714 | 21.059 ng/ml |
| 4) Aroclor 1016 (3) | 6.155 | 121068 | 22.677 ng/ml |
| 5) Aroclor 1016 (4) | 6.312 | 113806 | 23.590 ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 137417 | 24.273 ng/ml |
| 7) Aroclor 1016 (6) | 6.659 | 97959 | 24.046 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 258659 | 23.046 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 306481 | 21.678 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 243912 | 23.006 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 532171 | 20.394 ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:42:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|-----|--------------------|-------|----------|--------|-------|
| 45) | Aroclor 1260 (5) | 8.617 | 361897 | 21.373 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 159541 | 22.768 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

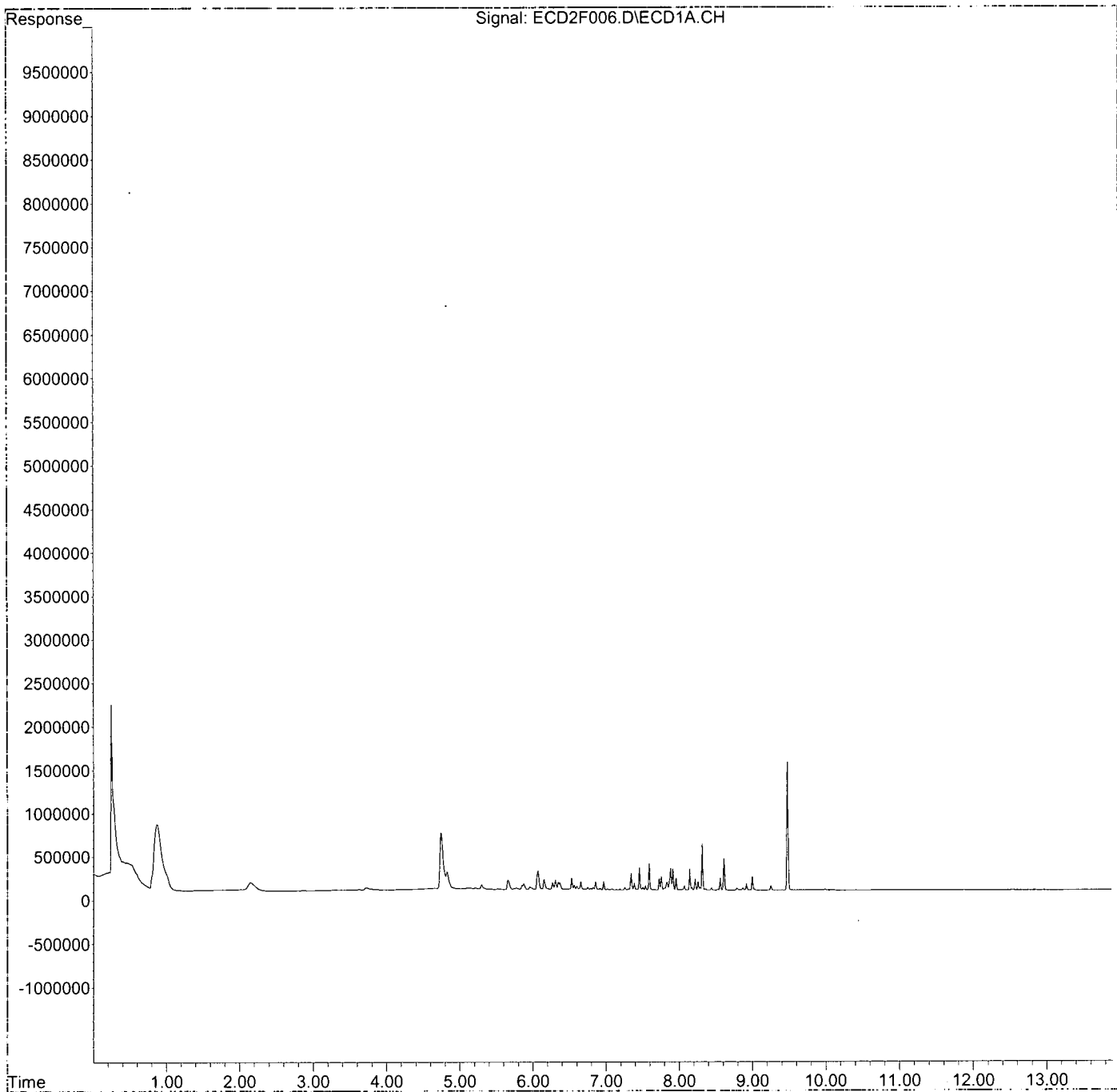
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:42:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:43:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.749 | 1745651 | 22.924 ng/ml ✓ |
| 62) S DCBP (S) | 9.483 | 3809488 | 25.048 ng/ml ✓ |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 265806 | 55.837 ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 537553 | 52.236 ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 296763 | 55.587 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 268245 | 55.603 ng/ml ✓ |
| 6) Aroclor 1016 (5) | 6.532 | 312478 | 55.196 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 223485 | 54.860 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 589293 | 52.504 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 729966 | 51.631 ng/ml ✓ |
| 43) Aroclor 1260 (3) | 8.148 | 560283 | 52.847 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 1308551 | 50.146 ng/ml |

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:43:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.616 | 850471 | 50.228 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 370891 | 52.930 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

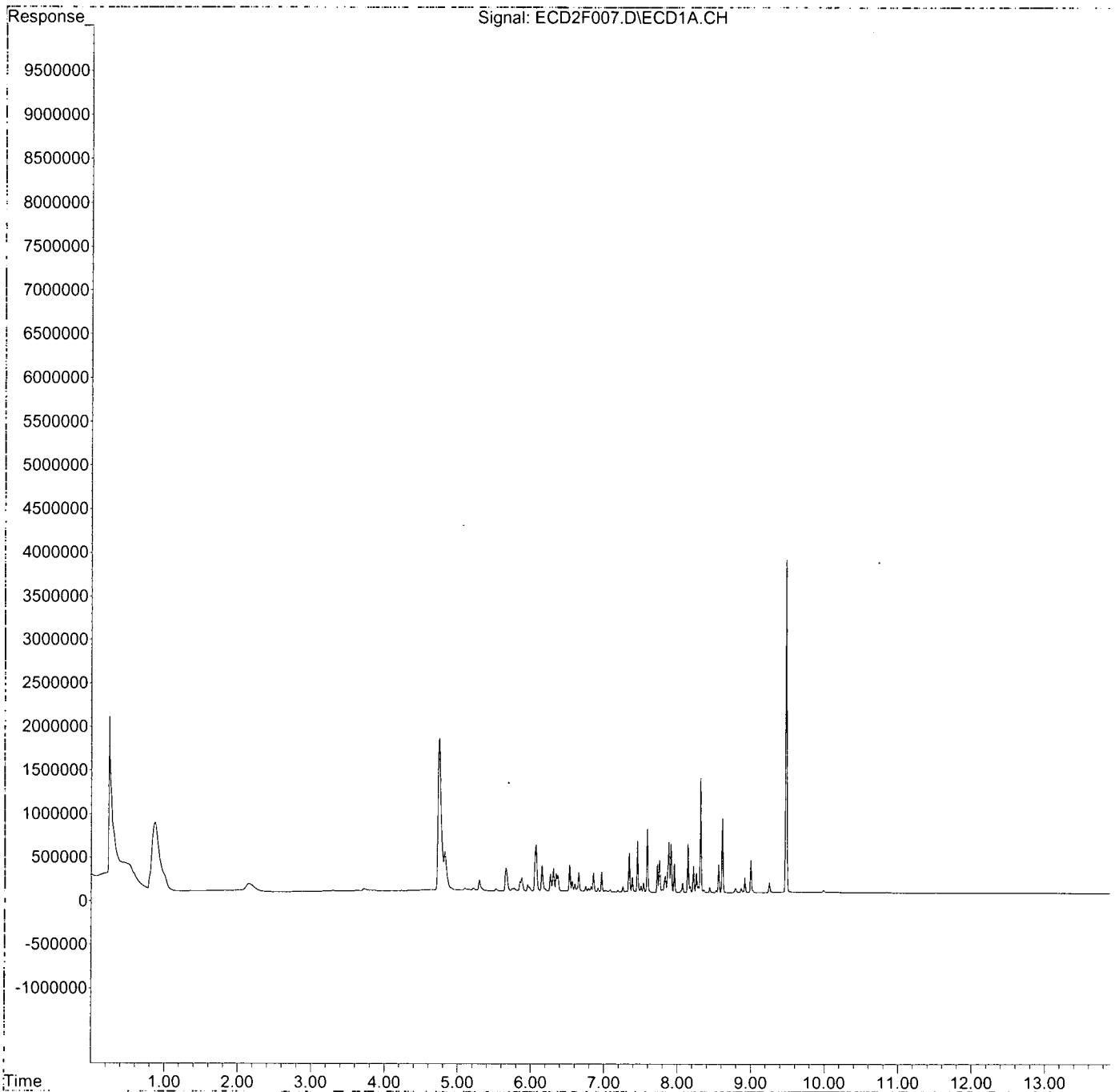
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:43:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:45:31 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.744 | 3510783 | 46.104 | ng/ml ✓ |
| 62) S DCBP (S) | 9.484 | 7498264 | 49.302 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.660 | 479662 | 100.760 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 997133 | 96.896 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 543635 | 101.828 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 479761 | 99.447 | ng/ml ✓ |
| 6) Aroclor 1016 (5) | 6.533 | 565722 | 99.928 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 408608 | 100.302 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 1097918 | 97.821 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 1427060 | 100.937 | ng/ml ✓ |
| 43) Aroclor 1260 (3) | 8.148 | 1056080 | 99.611 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 2550777 | 97.750 | ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:45:31 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|--------------|
| 45) Aroclor 1260 (5) | 8.617 | 1683464 | 99.423 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 676553 | 96.551 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

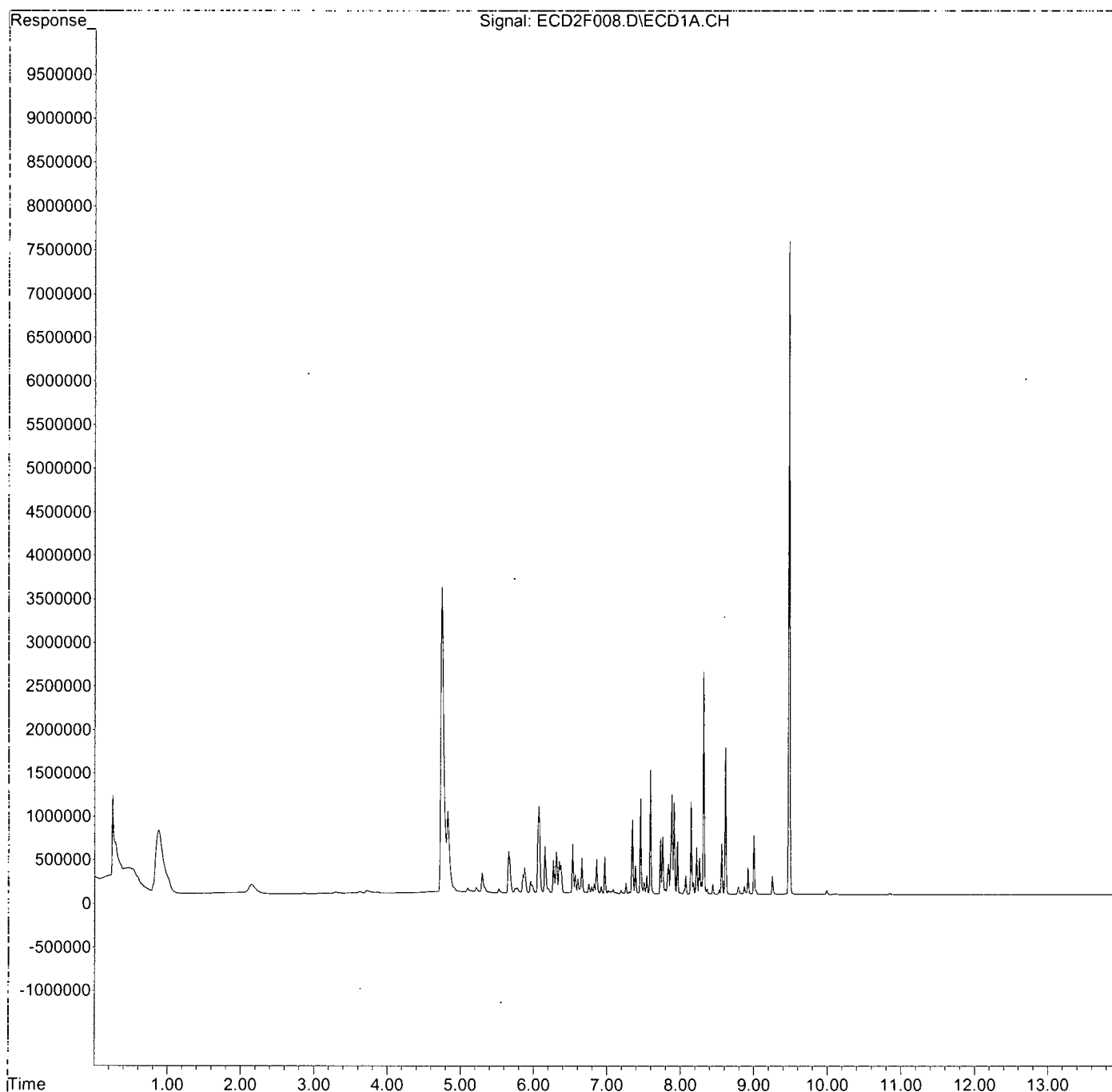
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:45:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:15 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:46:57 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.742 | 7397598 | 97.147 | ng/ml ✓ |
| 62) S DCBP (S) | 9.483 | 15288276 | 100.522 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.658 | 919253 | 193.103 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 1989984 | 193.376 | ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 1009652 | 189.118 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 917489 | 190.181 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 1077762 | 190.374 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 781980 | 191.956 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 2141237 | 190.778 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 2810828 | 198.812 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 2034737 | 191.920 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 5070521 | 194.311 | ng/ml |

Handwritten: 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:15 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:46:57 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.616 | 3367644 | 198.888 ng/ml |
| 46) Aroclor 1260 (6) | 9.003 | 1350079 | 192.670 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

(f)=RT Delta > 1/2 Window

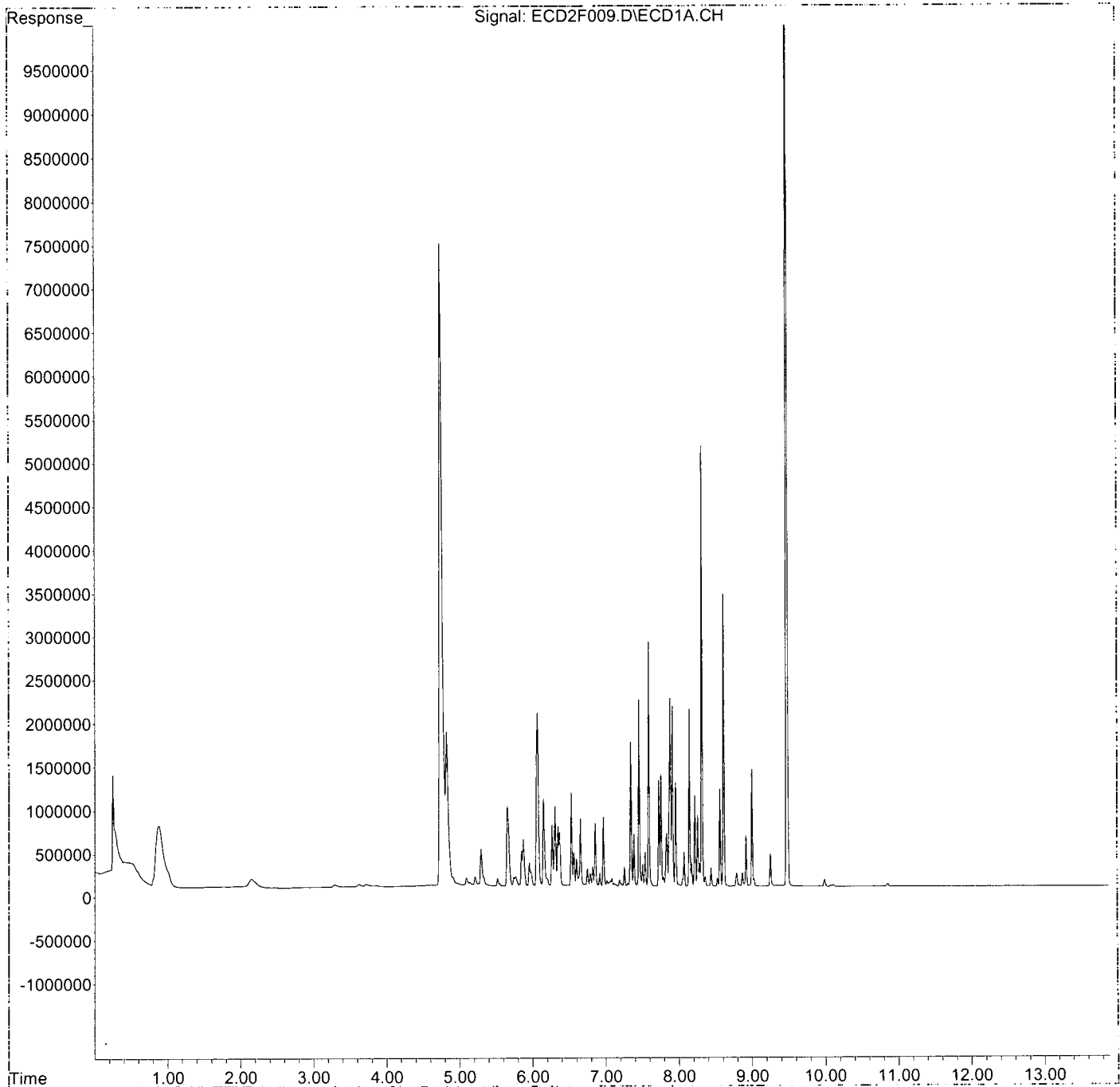
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:46:57 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\OD10012\requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:33 pm
 Operator : MJB / KAK
 Sample : OD10012-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:48:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.741 | 17837175 | 234.241 | ng/ml ✓ |
| 62) S DCBP (S) | 9.484 | 35382029 | 232.640 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 2171796 | 456.218 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 4984786 | 484.394 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 2486753 | 465.795 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2231051 | 462.462 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2697487 | 476.479 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1880122 | 461.521 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 5308633 | 472.983 | ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 6824795 | 482.723 | ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 4921592 | 464.213 | ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 12906773 | 494.609 | ng/ml |

Handwritten signature
4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:33 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:48:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.617 | 8226234 | 485.829 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 3319255 | 473.693 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

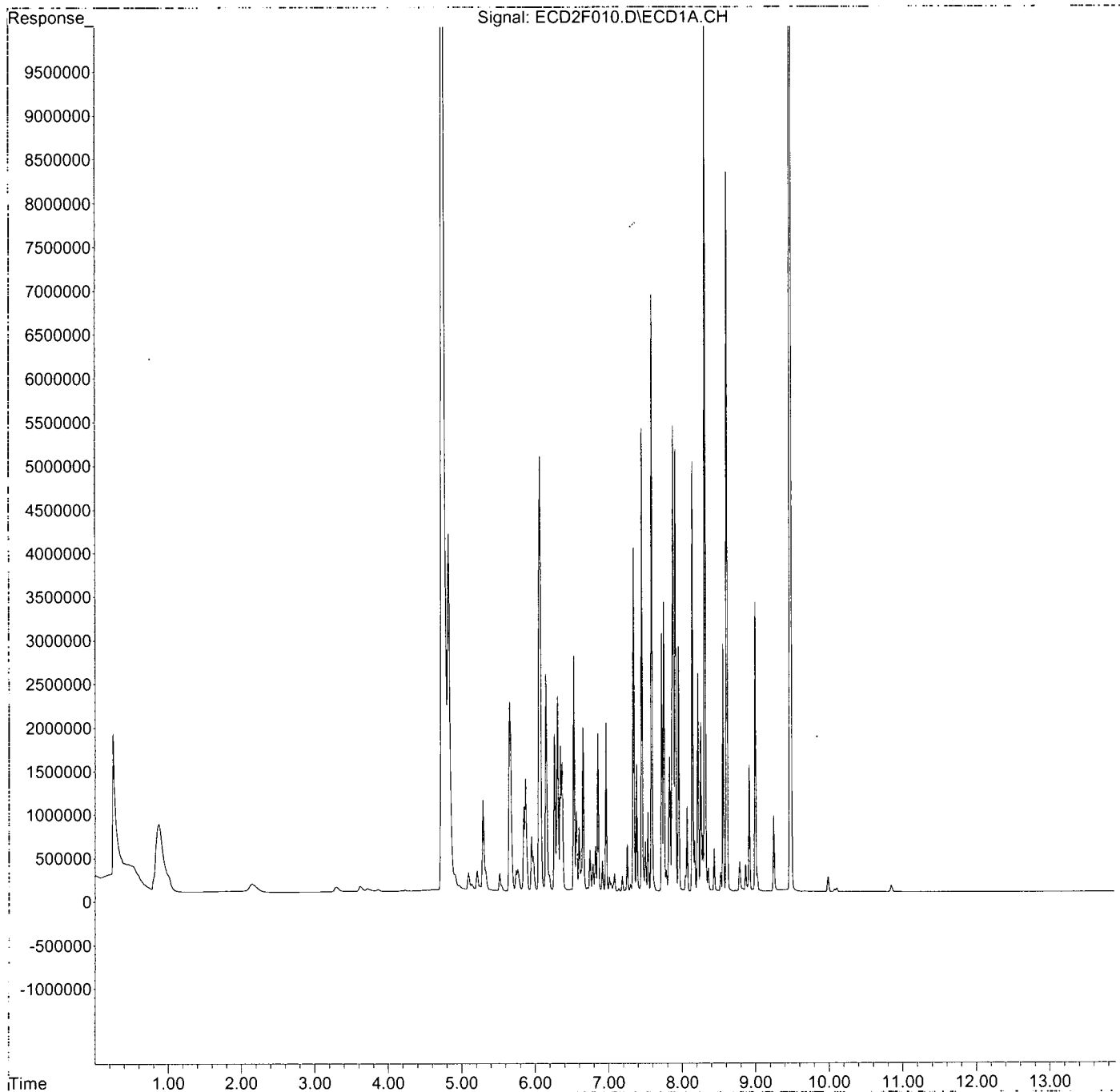
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:48:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:50 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:50:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.743 | 43207274 | 567.406 | ng/ml ✓ |
| 62) S DCBP (S) | 9:485 | 78559992 | 516.538 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 4293628 | 901.941 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 10051200 | 976.719 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 4831278 | 904.949 | ng/ml ✓ |
| 5) Aroclor 1016 (4) | 6.310 | 4347874 | 901.247 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 5043851 | 890.937 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 3670234 | 900.947 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 10695705 | 952.955 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 13330363 | 942.867 | ng/ml ✓ |
| 43) Aroclor 1260 (3) | 8.148 | 10197047 | 961.802 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 25942902 | 994.174 | ng/ml |

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 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:50 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:50:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.617 | 16754151 | 989.475 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 6589832 | 940.438 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

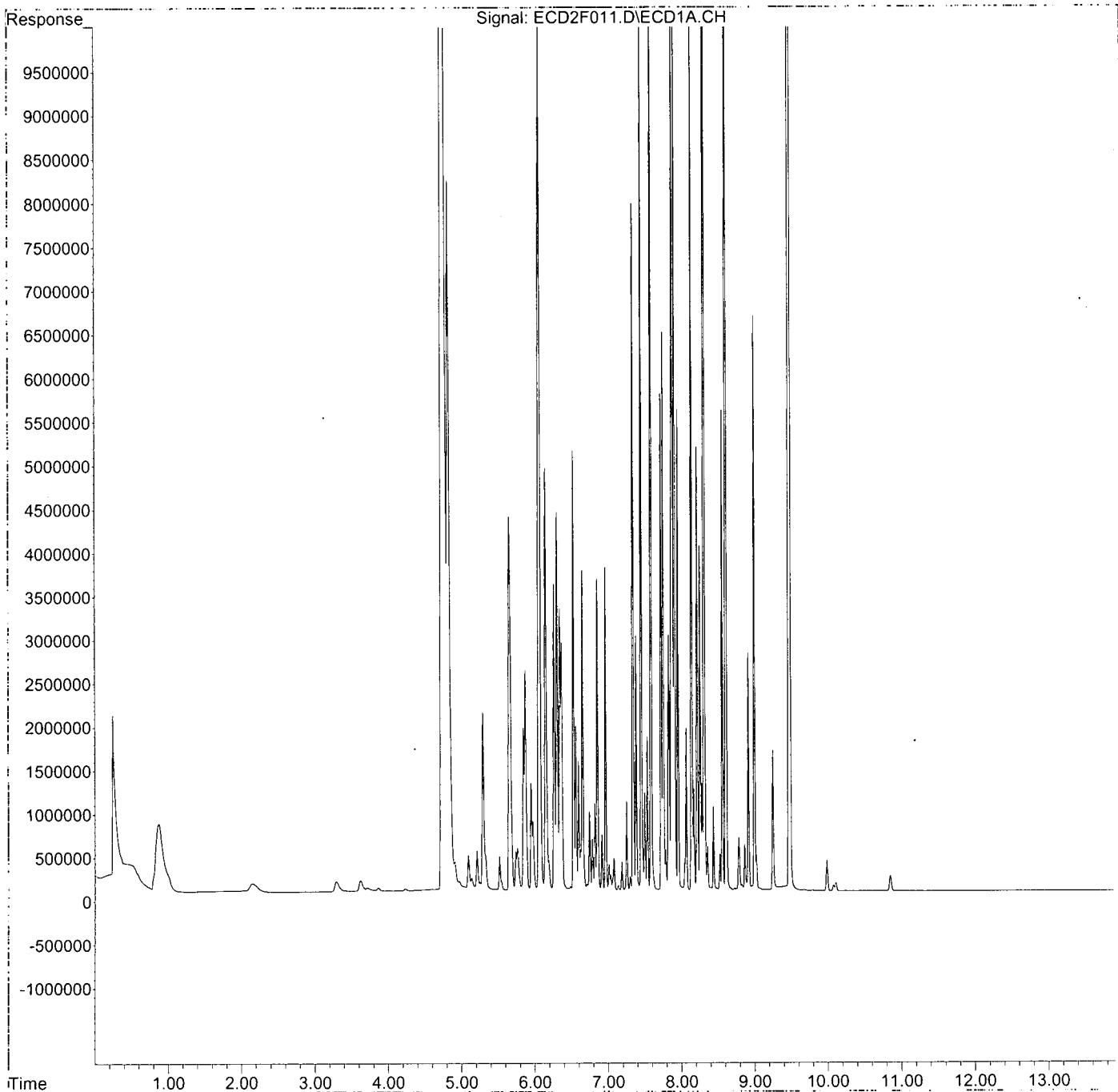
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:50:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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\0D10012\requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:08 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:51:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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) | 4.745 | 76768382 | 1008.136 | ng/ml ✓ |
| 62) S DCBP (S) | 9.486 | 130288167 | 856.655 | ng/ml ✓ |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 6511455 | 1367.829 | ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 15759923 | 1531.461 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 7639618 | 1430.980 | ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 6779647 | 1405.316 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 7535657 | 1331.085 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 5583278 | 1370.549 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 16273368 | 1449.908 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 20608083 | 1457.626 | ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 15057281 | 1420.227 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 40902108 | 1567.435 | ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD10012\requant\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:08 pm
 Operator : MJB / KAK
 Sample : OD10012-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:51:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:40:31 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 |
|------------------------|-------|----------|----------|-------|
| 45) Aroclor 1260 (5) | 8.617 | 24814194 | 1465.489 | ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 10366776 | 1479.448 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

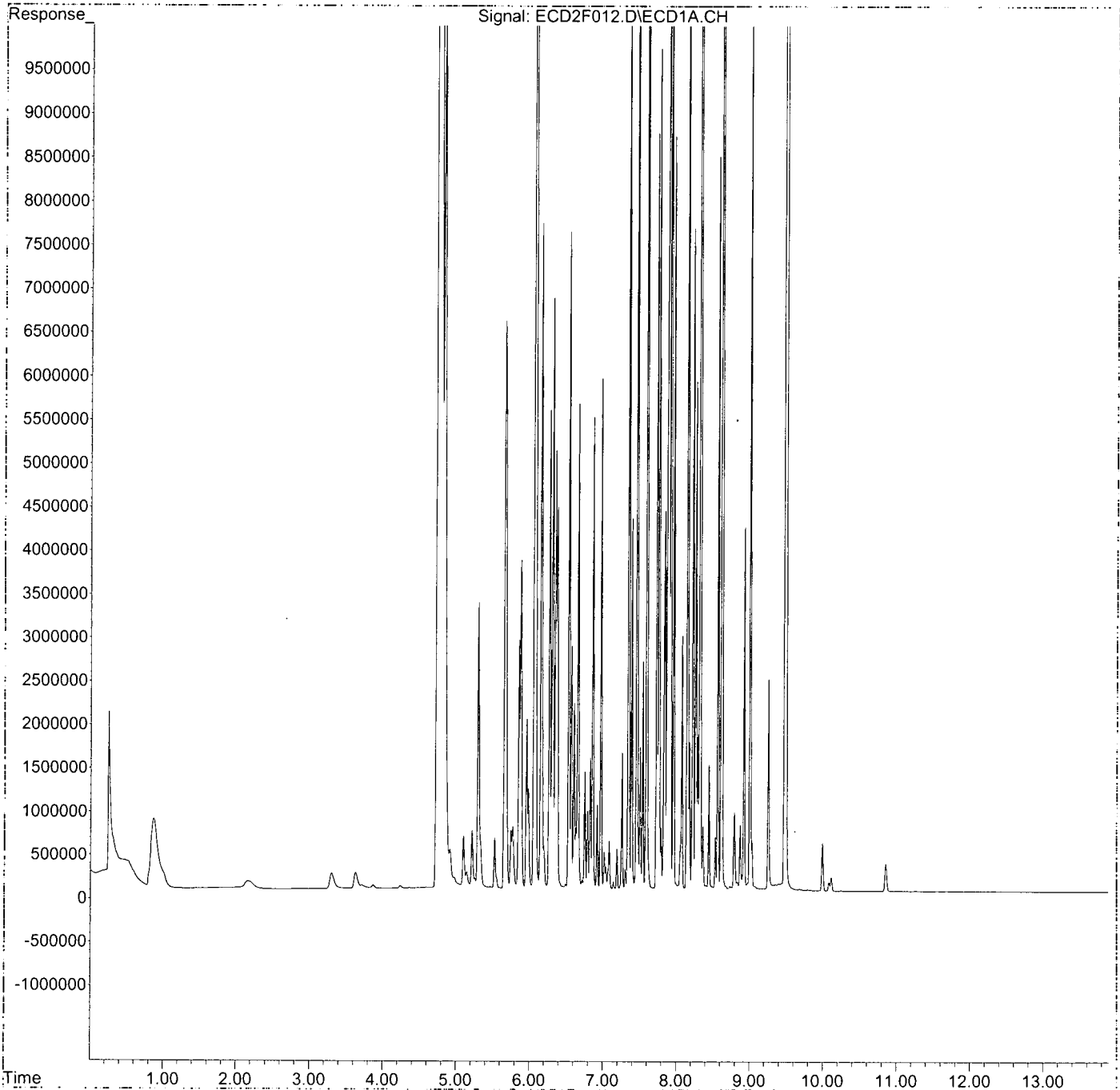
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:51:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 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



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 2 | 0D10012-CCV1 | E2A21015 | 1 | Sample | | |
| 3 | Vial 3 | 0D10012-CCB1 | E2A21015 | 1 | Sample | | |
| 4 | Vial 1 | Hexane | E2A21015 | 1 | Sample | | |
| 5 | Vial 3 | 0D10012-ICB1 | E2A21015 | 1 | Sample | | |
| 6 | Vial 4 | 0D10012-CAL1 | E2A21015 | 1 | Sample | | |
| 7 | Vial 5 | 0D10012-CAL2 | E2A21015 | 1 | Sample | | |
| 8 | Vial 6 | 0D10012-CAL3 | E2A21015 | 1 | Sample | | |
| 9 | Vial 7 | 0D10012-CAL4 | E2A21015 | 1 | Sample | | |
| 10 | Vial 8 | 0D10012-CAL5 | E2A21015 | 1 | Sample | | |
| 11 | Vial 9 | 0D10012-CAL6 | E2A21015 | 1 | Sample | | |
| 12 | Vial 10 | 0D10012-CAL7 | E2A21015 | 1 | Sample | | |
| 13 | Vial 1 | 0D10012-IBL1 | E2A21015 | 1 | Sample | | |
| 14 | Vial 11 | 0D10012-ICV1 | E2A21015 | 1 | Sample | | |
| 15 | Vial 12 | 0D10012-CAL8 | E2A21015 | 1 | Sample | | |
| 16 | Vial 13 | 0D10012-CAL9 | E2A21015 | 1 | Sample | | |
| 17 | Vial 14 | 0D10012-CALA | E2A21015 | 1 | Sample | | |
| 18 | Vial 15 | 0D10012-CALB | E2A21015 | 1 | Sample | | |
| 19 | Vial 16 | 0D10012-CALC | E2A21015 | 1 | Sample | | |
| 20 | Vial 17 | 0D10012-CALD | E2A21015 | 1 | Sample | | |
| 21 | Vial 18 | 0D10012-CALE | E2A21015 | 1 | Sample | | |
| 22 | Vial 19 | 0D10012-ICV2 | E2A21015 | 1 | Sample | | |
| 23 | Vial 20 | 0D10012-ICV3 | E2A21015 | 1 | Sample | | |
| 24 | Vial 21 | 0D10012-ICV4 | E2A21015 | 1 | Sample | | |
| 25 | Vial 22 | 0D10012-ICV5 | E2A21015 | 1 | Sample | | |

Handwritten signature
4/13/20

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 | 0D10013-CCV1 | E2A21015 | 1 | Sample | | |
| 3 | Vial 53 | 0D10013-CCB1 | E2A21015 | 1 | Sample | | |
| 4 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 5 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 6 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 7 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 8 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 9 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 10 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 11 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 12 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 13 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 14 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 15 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 16 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 17 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 18 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 19 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 20 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 21 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 22 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 23 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 24 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |
| 25 | Vial 51 | Hexane | E2A21015 | 1 | Sample | | |

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:00:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.747 | 653005 | 8.273 ng/ml |
| 62) S DCBP (S) | 9.484 | 1478905 | 10.887 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.660 | 112716 | 24.462 ng/ml |
| 3) Aroclor 1016 (2) | 6.073 | 216714 | 24.626 ng/ml |
| 4) Aroclor 1016 (3) | 6.155 | 121068 | 25.292 ng/ml |
| 5) Aroclor 1016 (4) | 6.312 | 113806 | 25.677 ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 137417 | 26.868 ng/ml |
| 7) Aroclor 1016 (6) | 6.659 | 97959 | 26.499 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 258659 | 25.429 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 306481 | 24.243 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 243912 | 25.667 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 532171 | 23.656 ng/ml |

Handwritten signature
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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:22 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:00:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|-------|----------|--------|-------|
| 45) Aroclor 1260 (5) | 8.617 | 361897 | 23.811 | ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 159541 | 25.989 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

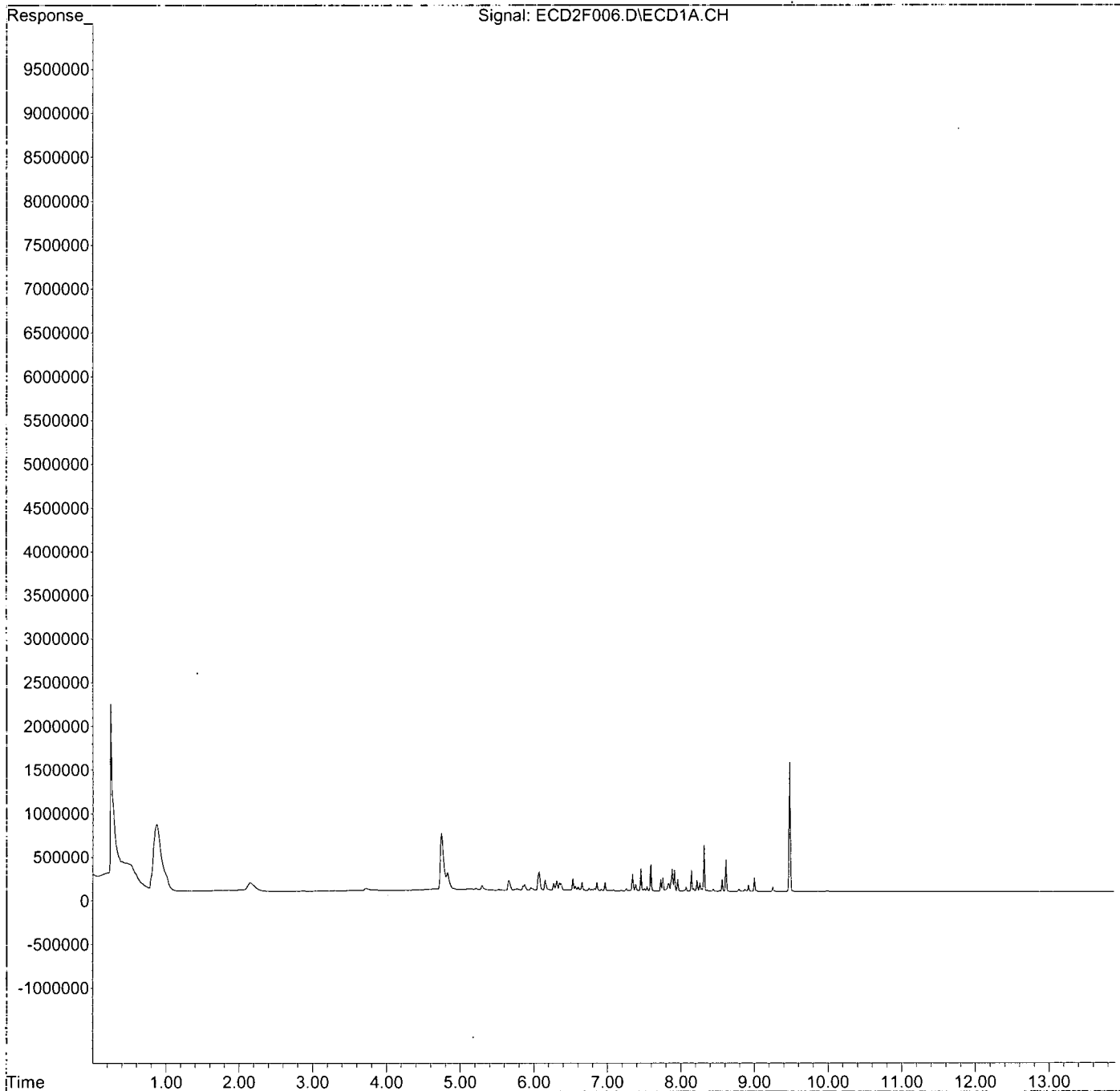
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:00:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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\0D10012\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:01:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.749 | 1745651 | 22.117 ng/ml |
| 62) S DCBP (S) | 9.483 | 3809488 | 28.044 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 265806 | 57.687 ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 537553 | 61.084 ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 296763 | 61.997 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 268245 | 60.521 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 312478 | 61.097 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 223485 | 60.456 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.458 | 589293 | 57.933 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 729966 | 57.741 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 560283 | 58.958 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 1308551 | 58.169 ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:01:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|--------------|
| 45) | Aroclor 1260 (5) | 8.616 | 850471 | 55.958 ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 370891 | 60.417 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

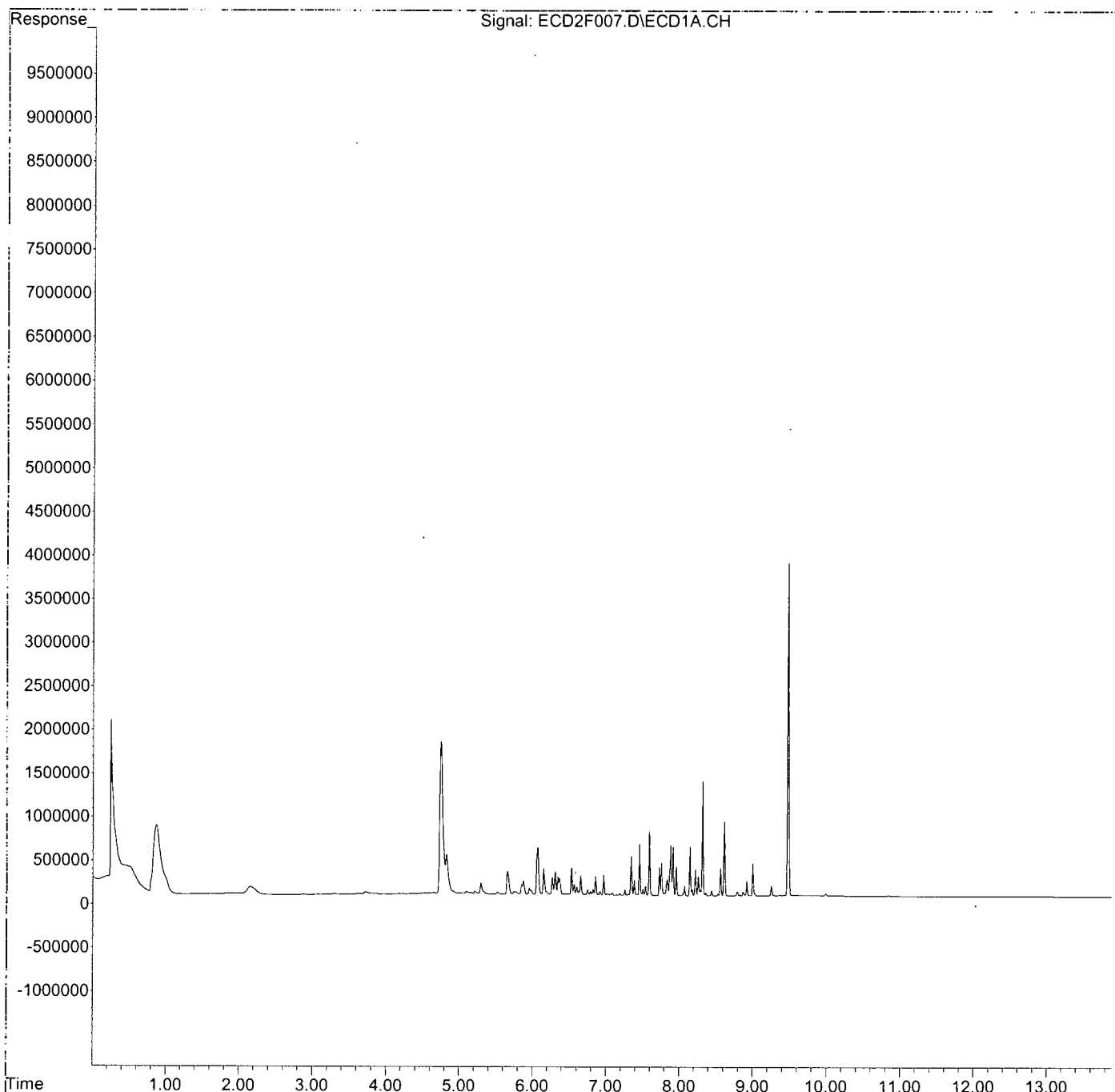
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:01:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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\0D10012\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:03:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.744 | 3510783 | 44.480 ng/ml |
| 62) S DCBP (S) | 9.484 | 7498264 | 55.199 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.660 | 479662 | 104.098 ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 997133 | 113.308 ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 543635 | 113.571 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 479761 | 108.244 ng/ml |
| 6) Aroclor 1016 (5) | 6.533 | 565722 | 110.612 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 408608 | 110.534 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 1097918 | 107.935 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 1427060 | 112.881 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 1056080 | 111.131 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 2550777 | 113.389 ng/ml |

MJB
4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:03:10 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 8.617 | 1683464 | 110.765 | ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 676553 | 110.208 | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

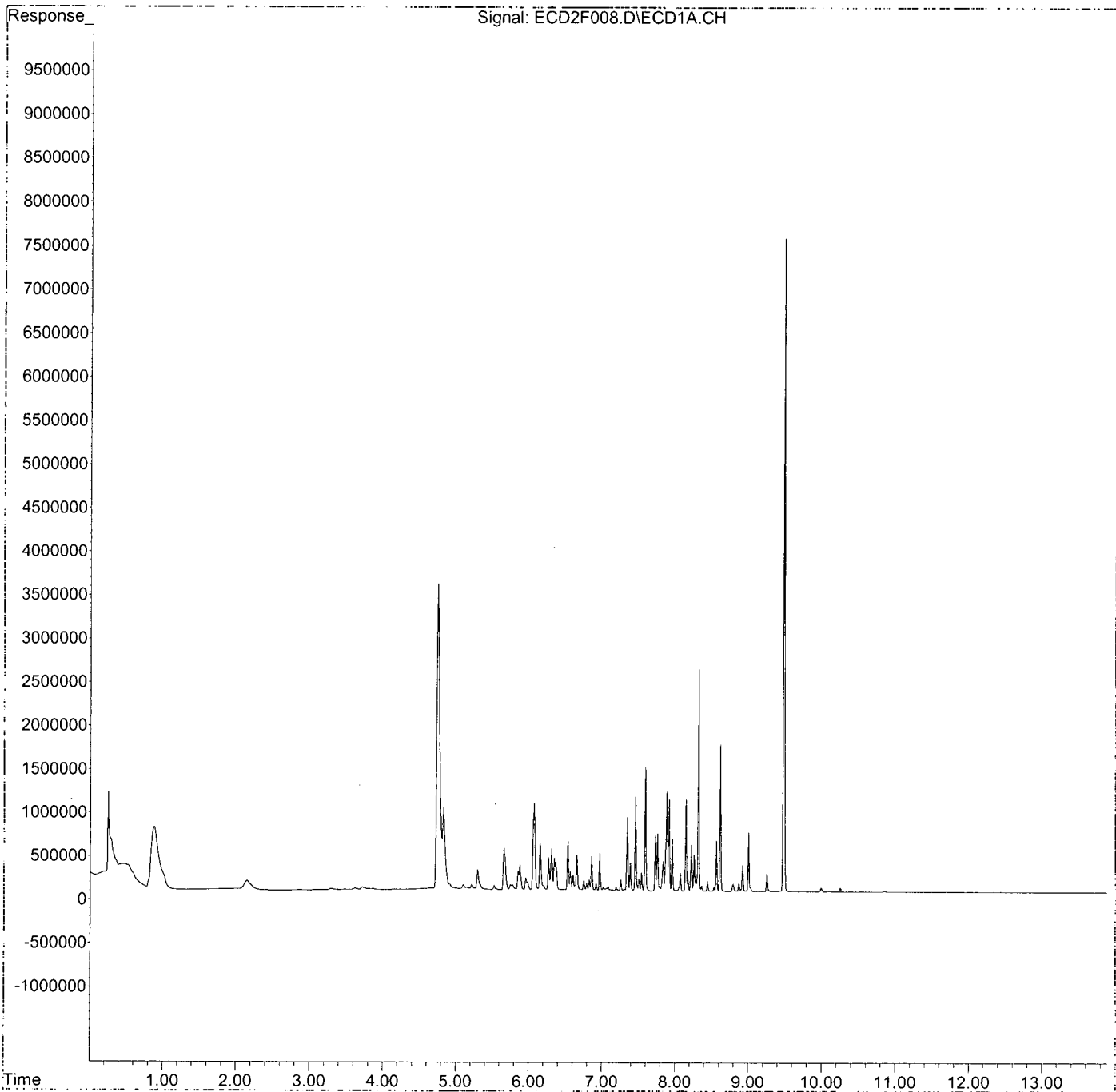
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:03:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:15 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:04:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.742 | 7397598 | 93.725 ng/ml |
| 62) S DCBP (S) | 9.483 | 15288276 | 112.546 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.658 | 919253 | 199.502 ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 1989984 | 226.128 ng/ml |
| 4) Aroclor 1016 (3) | 6.154 | 1009652 | 210.927 ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 917489 | 207.004 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 1077762 | 210.728 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 781980 | 211.536 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 2141237 | 210.503 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 2810828 | 222.337 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 2034737 | 214.114 ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 5070521 | 225.398 ng/ml |

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 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:15 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:04:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc Units |
|-----|--------------------|-------|----------|---------------|
| 45) | Aroclor 1260 (5) | 8.616 | 3367644 | 221.578 ng/ml |
| 46) | Aroclor 1260 (6) | 9.003 | 1350079 | 219.923 ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

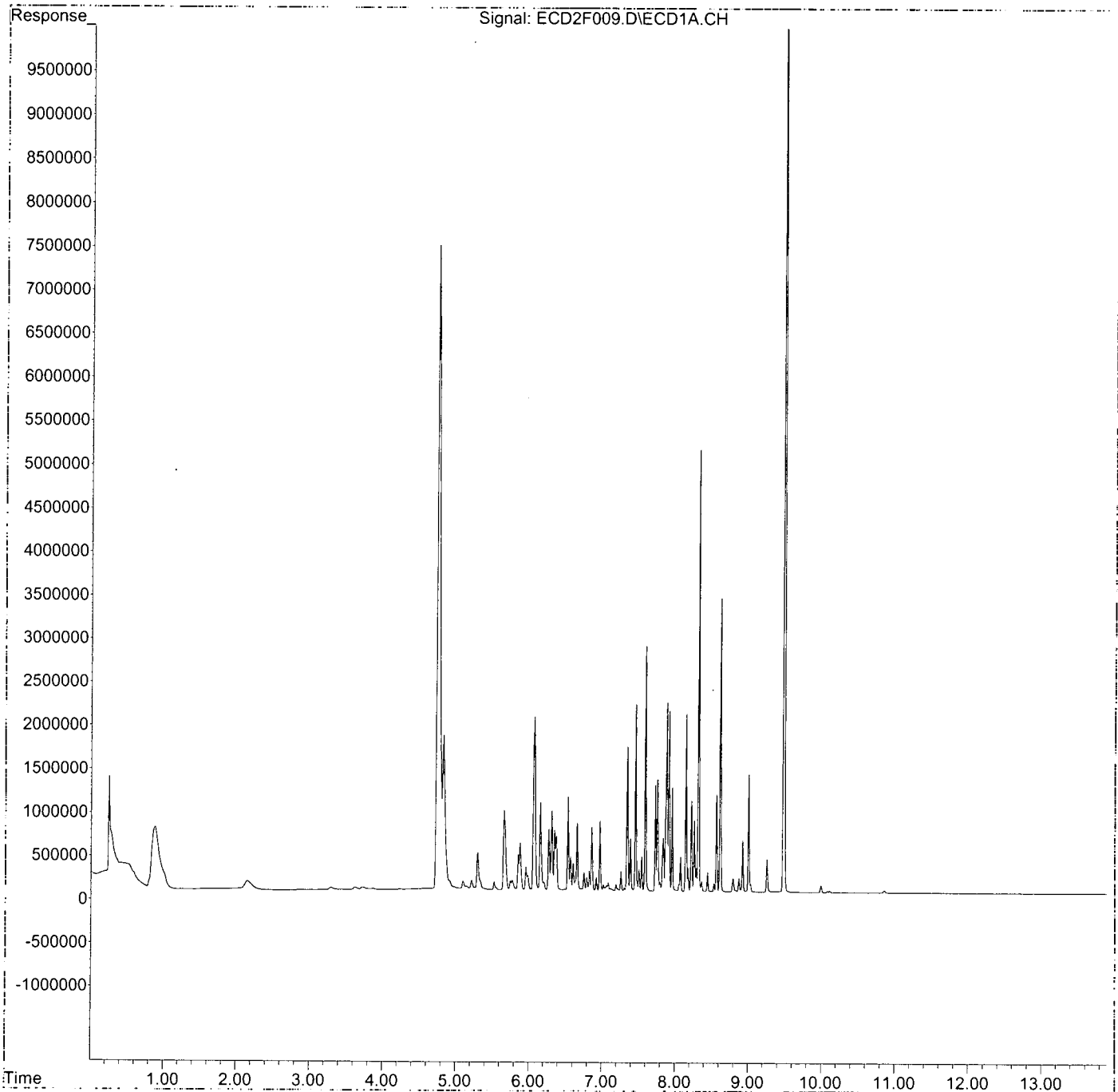
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:04:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:33 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:06:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.741 | 17837175 | 225.991 ng/ml |
| 62) S DCBP (S) | 9.484 | 35382029 | 260.469 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 2171796 | 471.336 ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 4984786 | 566.437 ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 2486753 | 519.508 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 2231051 | 503.369 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 2697487 | 527.422 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 1880122 | 508.599 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 5308633 | 521.887 ng/ml |
| 42) Aroclor 1260 (2) | 7.593 | 6824795 | 539.844 ng/ml |
| 43) Aroclor 1260 (3) | 8.147 | 4921592 | 517.896 ng/ml |
| 44) Aroclor 1260 (4) | 8.318 | 12906773 | 573.740 ng/ml |

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 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:33 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:06:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|---------------|
| 45) Aroclor 1260 (5) | 8.617 | 8226234 | 541.254 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 3319255 | 540.694 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

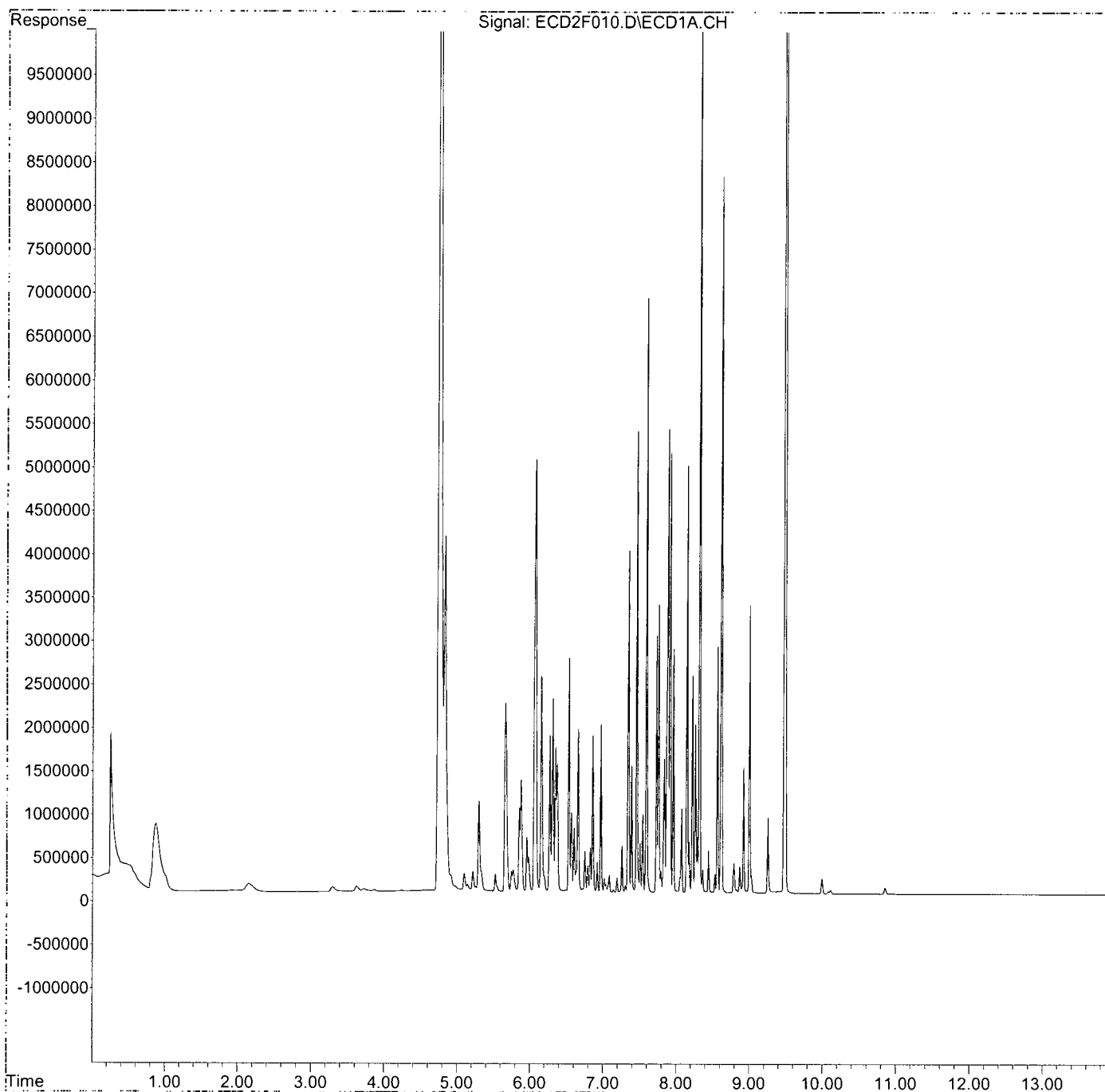
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:06:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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\0D10012\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:50 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:07:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.743 | 43207274 | 547.421 | ng/ml |
| 62) S DCBP (S) | 9.485 | 78559992 | 578.328 | ng/ml |
| Target Compounds | | | | |
| 2) Aroclor 1016 (1) | 5.659 | 4293628 | 931.828 | ng/ml |
| 3) Aroclor 1016 (2) | 6.071 | 10051200 | 1142.151 | ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 4831278 | 1009.303 | ng/ml |
| 5) Aroclor 1016 (4) | 6.310 | 4347874 | 980.967 | ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 5043851 | 986.190 | ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 3670234 | 992.849 | 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 7.459 | 10695705 | 1051.486 | ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 13330363 | 1054.436 | ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 10197047 | 1073.029 | ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 25942902 | 1253.230 | ng/ml |

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 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 3:50 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:07:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|----------|-------|
| 45) | Aroclor 1260 (5) | 8.617 | 16754151 | 1102.257 | ng/ml |
| 46) | Aroclor 1260 (6) | 9.004 | 6589832 | 1073.459 | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

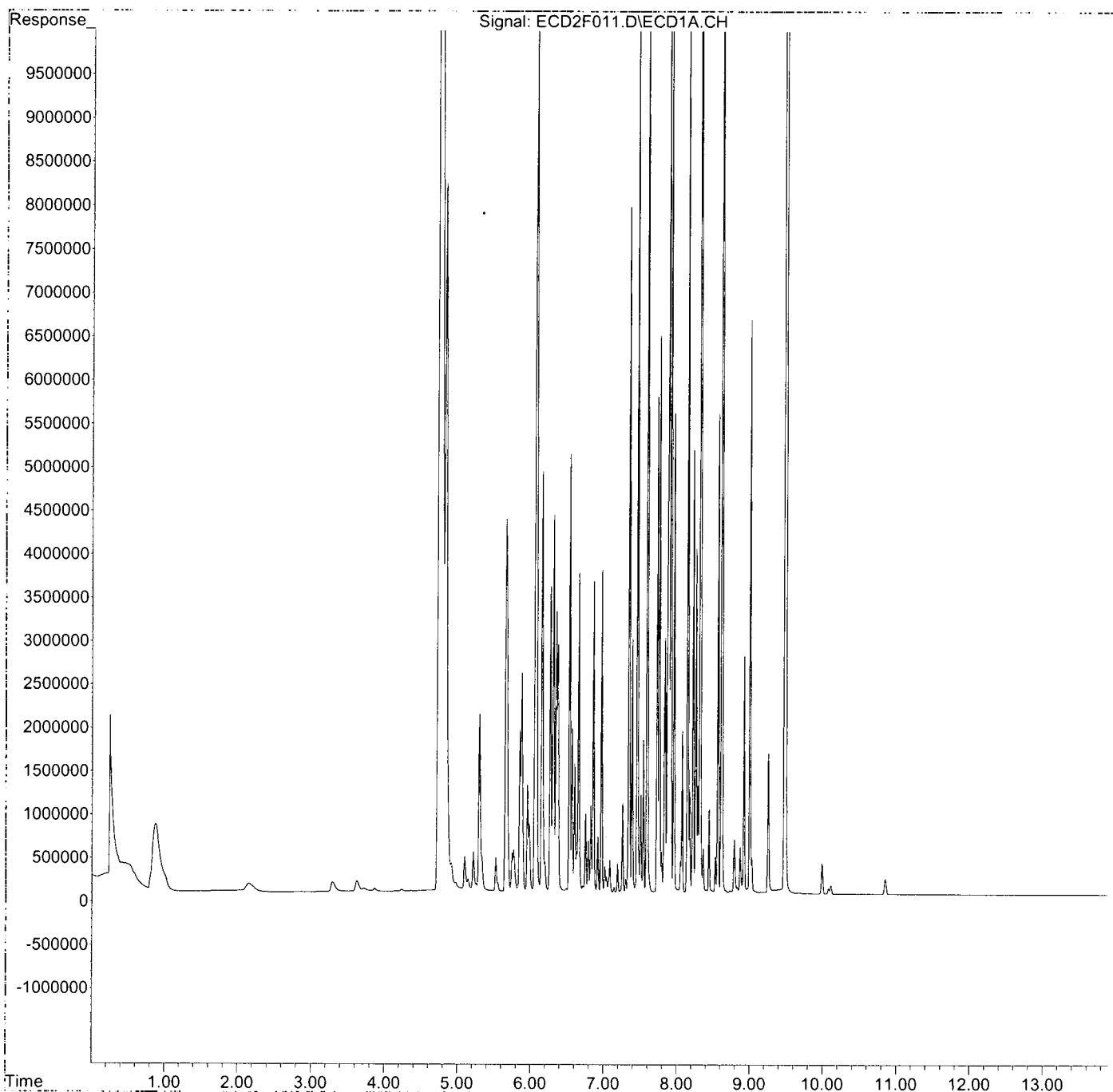
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:07:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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\0D10012\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:08 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:09:08 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 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) | 4.745 | 76768382 | 972.628 ng/ml |
| 62) S DCBP (S) | 9.486 | 130288167 | 959.130 ng/ml |
| Target Compounds | | | |
| 2) Aroclor 1016 (1) | 5.659 | 6511455 | 1413.154 ng/ml |
| 3) Aroclor 1016 (2) | 6.072 | 15759923 | 1790.852 ng/ml |
| 4) Aroclor 1016 (3) | 6.153 | 7639618 | 1595.994 ng/ml |
| 5) Aroclor 1016 (4) | 6.311 | 6779647 | 1528.624 ng/ml |
| 6) Aroclor 1016 (5) | 6.532 | 7535657 | 1473.397 ng/ml |
| 7) Aroclor 1016 (6) | 6.658 | 5583278 | 1510.354 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 - AVE | 0.000 | 0 | N.D. ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. ng/ml |
| 41) Aroclor 1260 (1) | 7.460 | 16273368 | 1599.821 ng/ml |
| 42) Aroclor 1260 (2) | 7.594 | 20608083 | 1630.106 ng/ml |
| 43) Aroclor 1260 (3) | 8.148 | 15057281 | 1594.469 ng/ml |
| 44) Aroclor 1260 (4) | 8.319 | 40902108 | 1818.206 ng/ml |

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 4:08 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:09:08 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 07:58:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc Units |
|------------------------|-------|----------|----------------|
| 45) Aroclor 1260 (5) | 8.617 | 24814194 | 1632.676 ng/ml |
| 46) Aroclor 1260 (6) | 9.004 | 10366776 | 1688.709 ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. ng/ml |

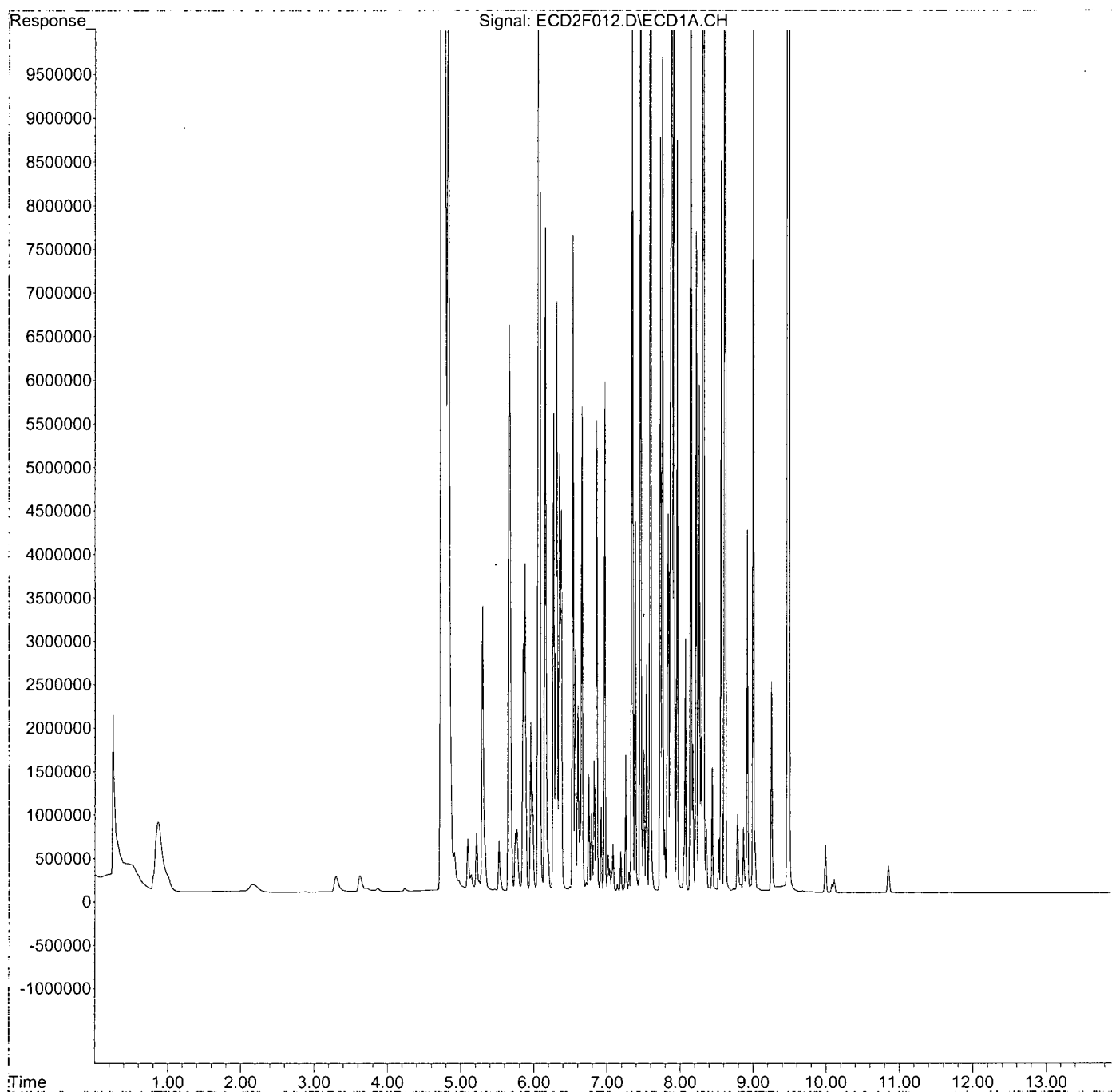
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:09:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 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\0D10012\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:01 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:10:42 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:09:37 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 |
| 62) 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) | 5.098 | 725100 | 531.865 | ng/ml |
| 10) Aroclor 1221 (2) | 5.216 | 488773 | 530.574 | ng/ml |
| 11) Aroclor 1221 (3) | 5.297 | 1584360 | 558.442 | ng/ml |
| 12) Aroclor 1221 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 42) Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 43) Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 44) Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:01 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:10:42 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:09:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 45) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

(f)=RT Delta > 1/2 Window

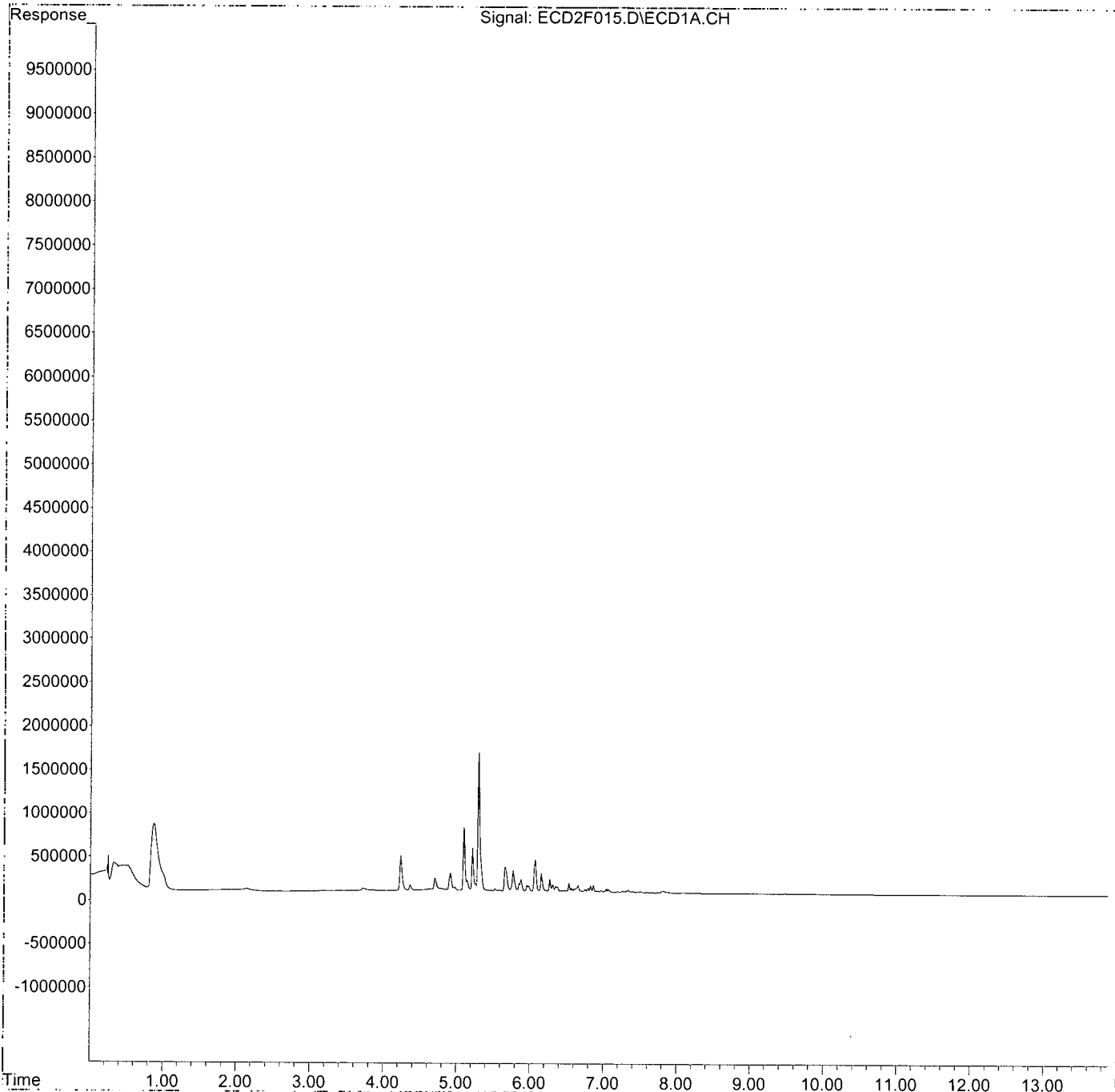
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:01 pm
Operator : MJB / KAK
Sample : 0D10012-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:10:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:09:37 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\OD10012\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:19 pm
 Operator : MJB / KAK
 Sample : OD10012-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:12:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:11:31 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) | 0.000 | 0 | N.D. | ng/ml |
| 62) 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 5.297 | 1297365 | 548.370 | ng/ml |
| 14) Aroclor 1232 (2) | 6.072 | 2120083 | 590.999 | ng/ml |
| 15) Aroclor 1232 (3) | 6.154 | 1111634 | 564.795 | ng/ml |
| 16) Aroclor 1232 (4) | 6.311 | 823020 | 541.694 | ng/ml |
| 17) Aroclor 1232 (5) | 6.533 | 1077798 | 558.332 | ng/ml |
| 18) Aroclor 1232 (6) | 6.658 | 876183 | 556.320 | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 42) Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 43) Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 44) Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |

Handwritten signature and date: 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:19 pm
 Operator : MJB / KAK
 Sample : 0D10012-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:12:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:11:31 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 |
|-----|--------------------|-------|----------|------|--------|
| 45) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/mld |
| 46) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/mld |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/mld |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/mld |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/mld |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/mld |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/mld |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/mld |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/mld |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/mld |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/mld |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/mld |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/mld |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/mld |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/mld |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/mld |

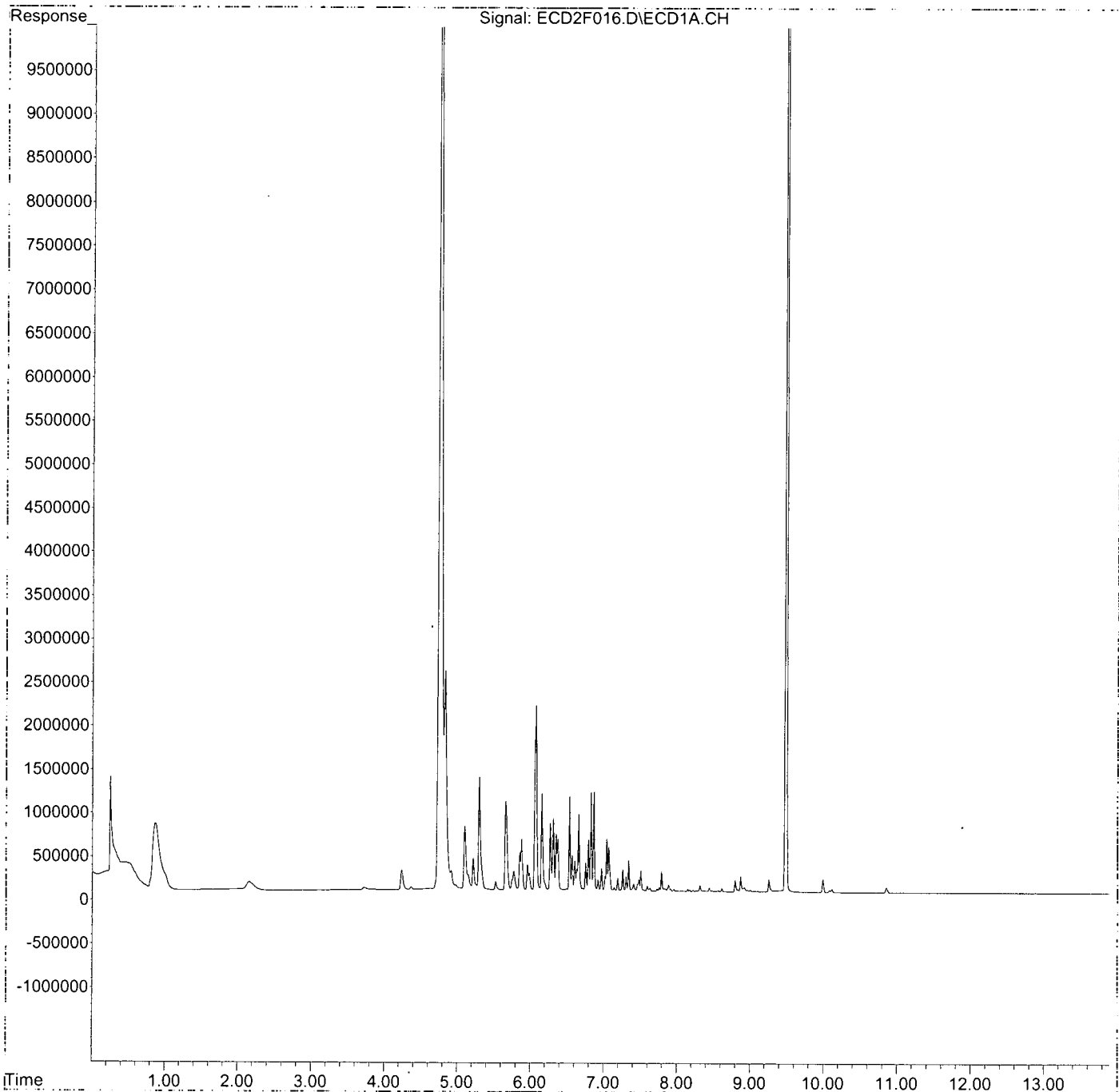
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:19 pm
Operator : MJB / KAK
Sample : 0D10012-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:12:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:11:31 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\0D10012\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:36 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALA
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:14:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:13:20 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 |
| 62) 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 5.659 | 1819088 | 516.665 | ng/ml |
| 21) Aroclor 1242 (2) | 6.071 | 3974339 | 553.995 | ng/ml |
| 22) Aroclor 1242 (3) | 6.153 | 2000091 | 544.110 | ng/ml |
| 23) Aroclor 1242 (4) | 6.310 | 1660581 | 507.201 | ng/ml |
| 24) Aroclor 1242 (5) | 6.532 | 2161724 | 527.420 | ng/ml |
| 25) Aroclor 1242 (6) | 6.658 | 1802019 | 528.770 | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 42) Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 43) Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 44) Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:36 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALA
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:14:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:13:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 45) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

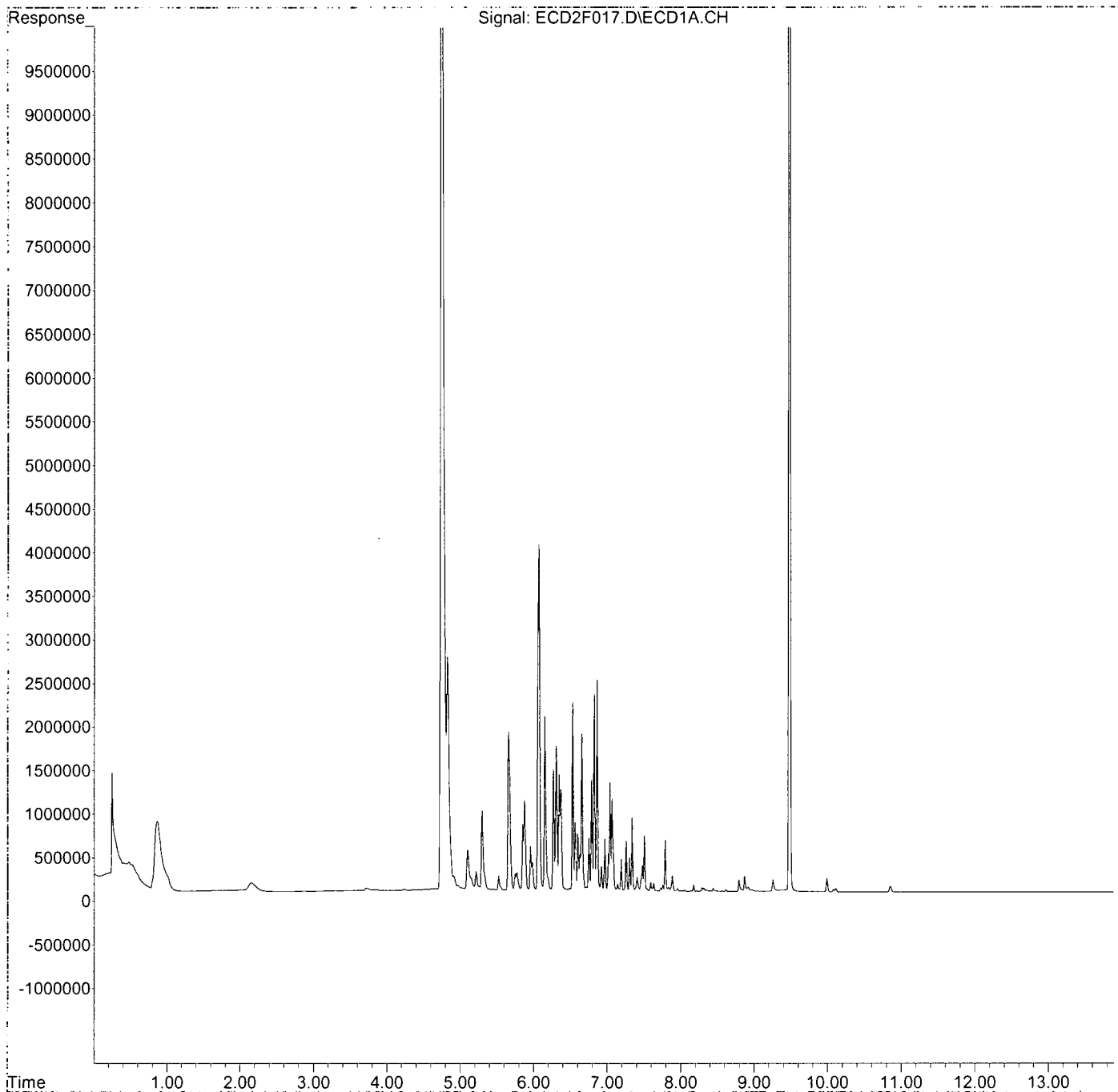
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:36 pm
Operator : MJB / KAK
Sample : 0D10012-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:14:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:13:20 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\0D10012\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:54 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:18:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:16:54 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 |
| 62) 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 6.070 | 2448148 | 561.234 | ng/ml |
| 28) Aroclor 1248 (2) | 6.311 | 2996188 | 525.183 | ng/ml |
| 29) Aroclor 1248 (3) | 6.533 | 3362252 | 519.309 | ng/ml |
| 30) Aroclor 1248 (4) | 6.827 | 4110731 | 558.961 | ng/ml |
| 31) Aroclor 1248 (5) | 6.864 | 3940293 | 522.199 | ng/ml |
| 32) Aroclor 1248 (6) | 7.340 | 2275424 | 554.523 | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 0.000 | 0 | N.D. | ng/ml |
| 35) Aroclor 1254 (2) | 0.000 | 0 | N.D. | ng/ml |
| 36) Aroclor 1254 (3) | 0.000 | 0 | N.D. | ng/ml |
| 37) Aroclor 1254 (4) | 0.000 | 0 | N.D. | ng/ml |
| 38) Aroclor 1254 (5) | 0.000 | 0 | N.D. | ng/ml |
| 39) Aroclor 1254 (6) | 0.000 | 0 | N.D. | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 42) Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 43) Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 44) Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |

MJB
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 5:54 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:18:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:16:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| | Compound | R.T. | Response | Conc | Units |
|-----|--------------------|-------|----------|------|-------|
| 45) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

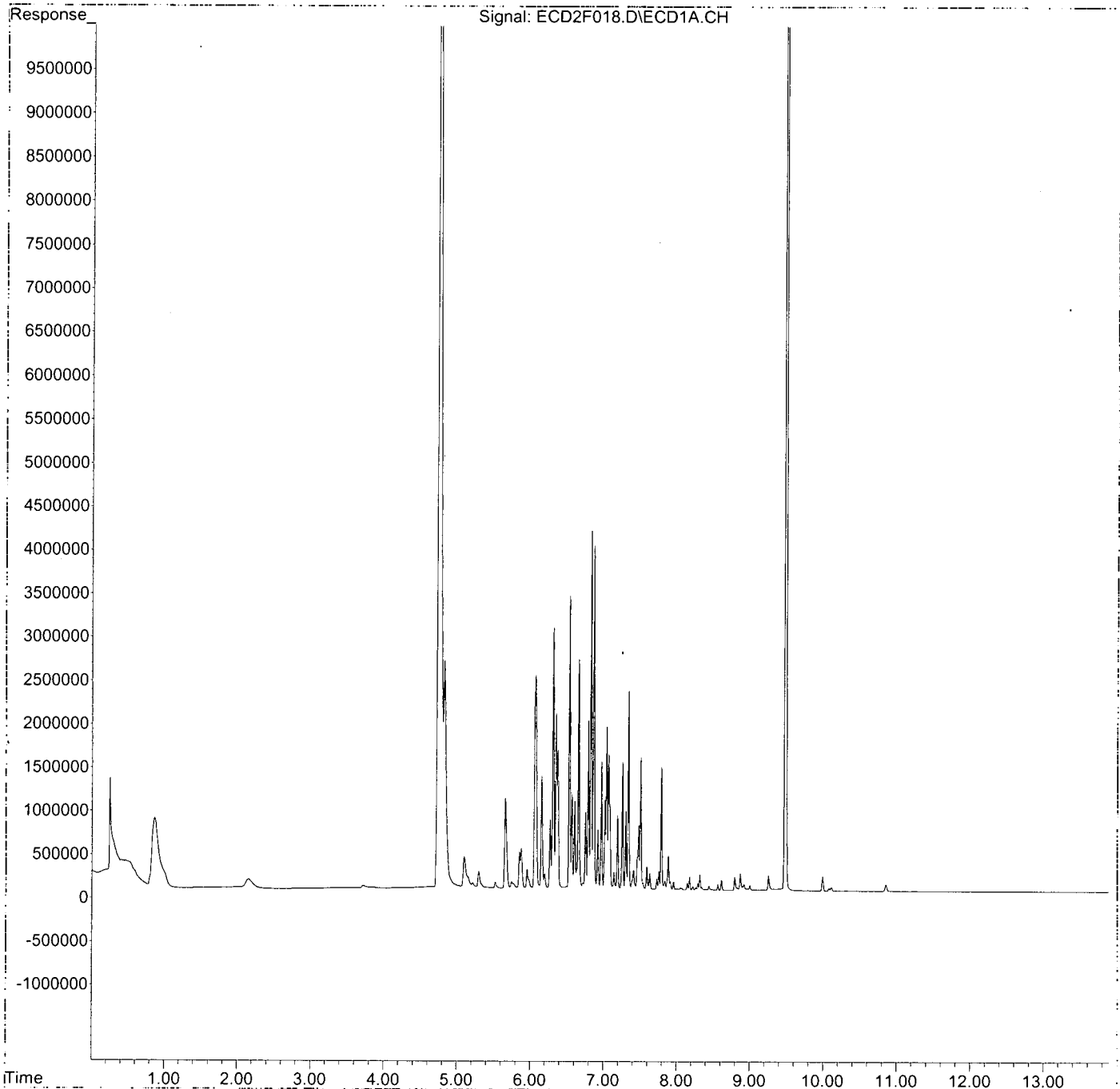
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:54 pm
Operator : MJB / KAK
Sample : 0D10012-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:18:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:16:54 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\0D10012\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:11 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALC
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:20:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:18:58 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 |
| 62) 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 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 13) Aroclor 1232 (1) | 0.000 | 0 | N.D. | ng/ml |
| 14) Aroclor 1232 (2) | 0.000 | 0 | N.D. | ng/ml |
| 15) Aroclor 1232 (3) | 0.000 | 0 | N.D. | ng/ml |
| 16) Aroclor 1232 (4) | 0.000 | 0 | N.D. | ng/ml |
| 17) Aroclor 1232 (5) | 0.000 | 0 | N.D. | ng/ml |
| 18) Aroclor 1232 (6) | 0.000 | 0 | N.D. | ng/ml |
| 19) Aroclor 1232 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 20) Aroclor 1242 (1) | 0.000 | 0 | N.D. | ng/ml |
| 21) Aroclor 1242 (2) | 0.000 | 0 | N.D. | ng/ml |
| 22) Aroclor 1242 (3) | 0.000 | 0 | N.D. | ng/ml |
| 23) Aroclor 1242 (4) | 0.000 | 0 | N.D. | ng/ml |
| 24) Aroclor 1242 (5) | 0.000 | 0 | N.D. | ng/ml |
| 25) Aroclor 1242 (6) | 0.000 | 0 | N.D. | ng/ml |
| 26) Aroclor 1242 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 27) Aroclor 1248 (1) | 0.000 | 0 | N.D. | ng/ml |
| 28) Aroclor 1248 (2) | 0.000 | 0 | N.D. | ng/ml |
| 29) Aroclor 1248 (3) | 0.000 | 0 | N.D. | ng/ml |
| 30) Aroclor 1248 (4) | 0.000 | 0 | N.D. | ng/ml |
| 31) Aroclor 1248 (5) | 0.000 | 0 | N.D. | ng/ml |
| 32) Aroclor 1248 (6) | 0.000 | 0 | N.D. | ng/ml |
| 33) Aroclor 1248 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 34) Aroclor 1254 (1) | 6.859 | 4344495 | 490.322 | ng/ml |
| 35) Aroclor 1254 (2) | 6.971 | 5617948 | 506.936 | ng/ml |
| 36) Aroclor 1254 (3) | 7.340 | 8405588 | 505.167 | ng/ml |
| 37) Aroclor 1254 (4) | 7.506 | 5339097 | 502.370 | ng/ml |
| 38) Aroclor 1254 (5) | 7.886 | 5874745 | 507.140 | ng/ml |
| 39) Aroclor 1254 (6) | 8.177 | 1885070 | 505.276 | ng/ml |
| 40) Aroclor 1254 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 41) Aroclor 1260 (1) | 0.000 | 0 | N.D. | ng/ml |
| 42) Aroclor 1260 (2) | 0.000 | 0 | N.D. | ng/ml |
| 43) Aroclor 1260 (3) | 0.000 | 0 | N.D. | ng/ml |
| 44) Aroclor 1260 (4) | 0.000 | 0 | N.D. | ng/ml |

Handwritten signature
 4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:11 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALC
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:20:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:18:58 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 |
|-----|--------------------|-------|----------|------|-------|
| 45) | Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) | Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) | Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) | Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) | Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) | Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) | Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) | Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) | Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) | Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) | Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) | Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) | Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) | Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) | Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) | Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) | Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

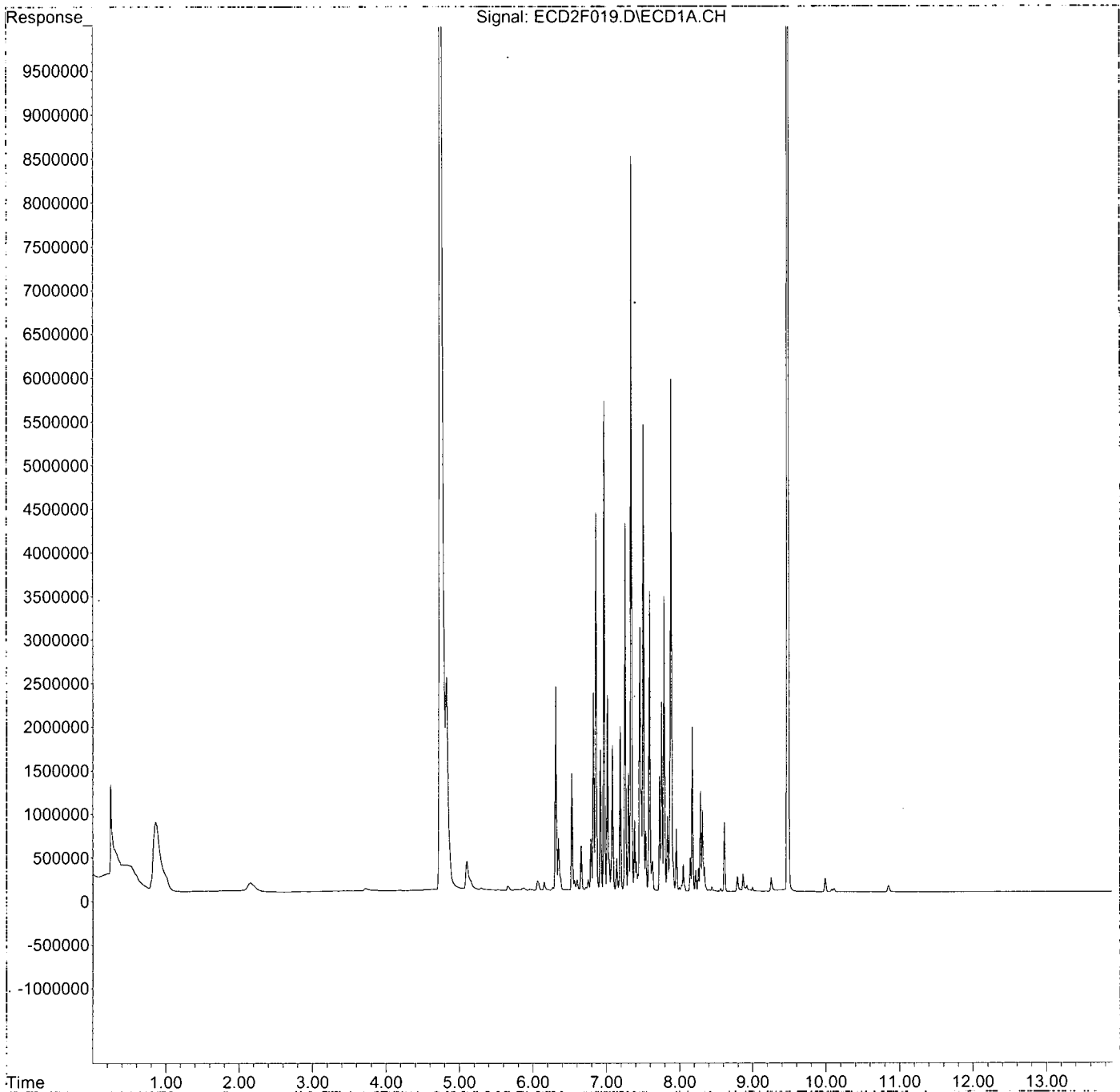
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:11 pm
Operator : MJB / KAK
Sample : 0D10012-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:20:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:18:58 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:29 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:22:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:20:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 4/13/20

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

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:29 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:22:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:20:53 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 |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 7.593 | 5524545 | 514.175 | ng/ml |
| 49) Aroclor 1262 (2) | 7.916 | 7591243 | 495.472 | ng/ml |
| 50) Aroclor 1262 (3) | 8.148 | 6584915 | 515.828 | ng/ml |
| 51) Aroclor 1262 (4) | 8.319 | 14710486 | 519.747 | ng/ml |
| 52) Aroclor 1262 (5) | 8.616 | 9062799 | 501.436 | ng/ml |
| 53) Aroclor 1262 (6) | 9.003 | 4829056 | 533.316 | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 0.000 | 0 | N.D. | ng/ml |
| 56) Aroclor 1268 (2) | 0.000 | 0 | N.D. | ng/ml |
| 57) Aroclor 1268 (3) | 0.000 | 0 | N.D. | ng/ml |
| 58) Aroclor 1268 (4) | 0.000 | 0 | N.D. | ng/ml |
| 59) Aroclor 1268 (5) | 0.000 | 0 | N.D. | ng/ml |
| 60) Aroclor 1268 (6) | 0.000 | 0 | N.D. | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

Handwritten signature
 4/13/20

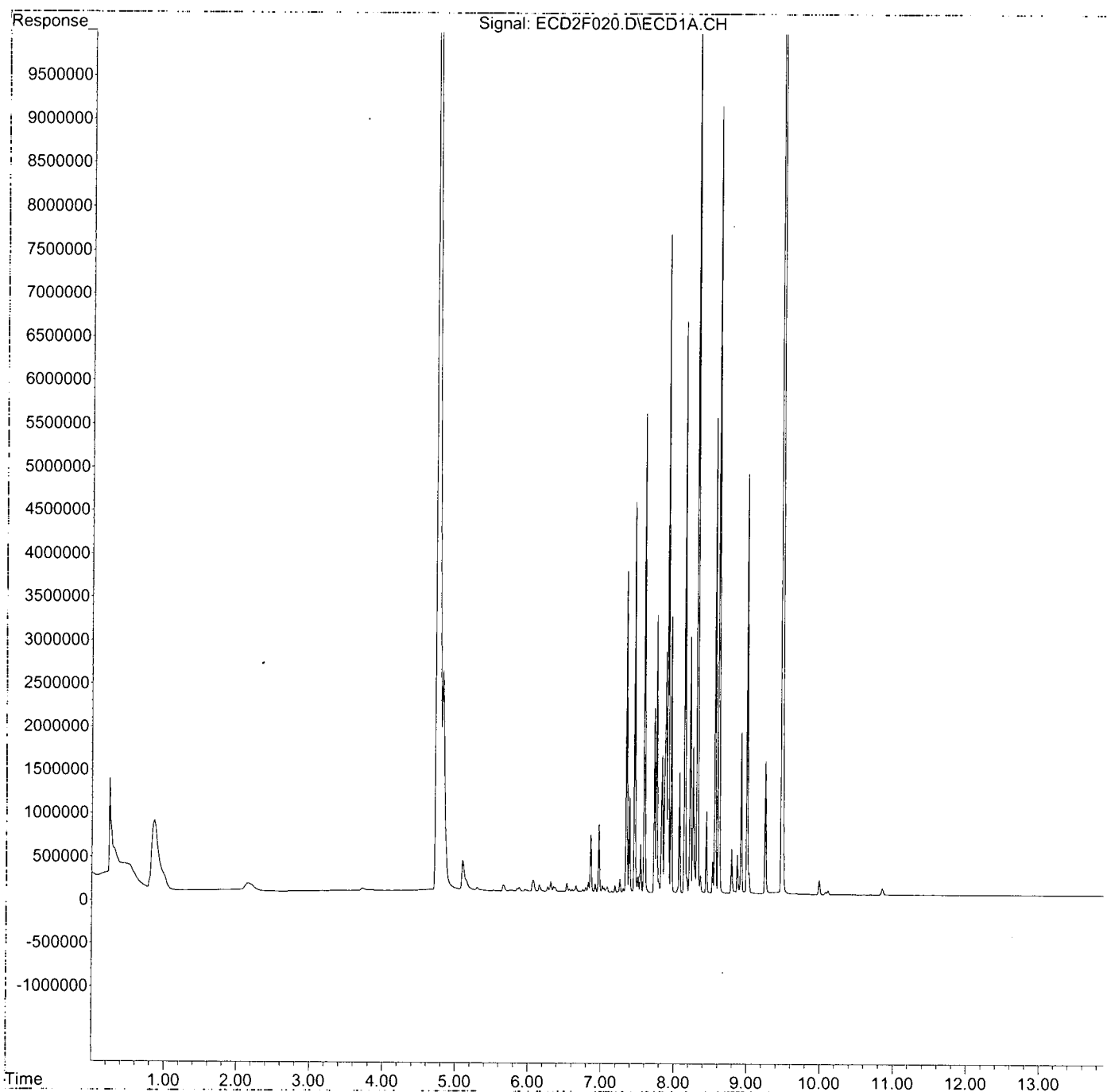
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D10012\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:29 pm
Operator : MJB / KAK
Sample : 0D10012-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:22:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:20:53 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



Data Path : K:\DATA\0D10012\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:47 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:24:43 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:23:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/13/20

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

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 10 Apr 2020 6:47 pm
 Operator : MJB / KAK
 Sample : 0D10012-CALE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 13 08:24:43 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 13 08:23:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|------------------------|-------|----------|---------|-------|
| 45) Aroclor 1260 (5) | 0.000 | 0 | N.D. | ng/ml |
| 46) Aroclor 1260 (6) | 0.000 | 0 | N.D. | ng/ml |
| 47) Aroclor 1260 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 48) Aroclor 1262 (1) | 0.000 | 0 | N.D. | ng/ml |
| 49) Aroclor 1262 (2) | 0.000 | 0 | N.D. | ng/ml |
| 50) Aroclor 1262 (3) | 0.000 | 0 | N.D. | ng/ml |
| 51) Aroclor 1262 (4) | 0.000 | 0 | N.D. | ng/ml |
| 52) Aroclor 1262 (5) | 0.000 | 0 | N.D. | ng/ml |
| 53) Aroclor 1262 (6) | 0.000 | 0 | N.D. | ng/ml |
| 54) Aroclor 1262 - AVE | 0.000 | 0 | N.D. | ng/ml |
| 55) Aroclor 1268 (1) | 8.138 | 3549782 | 552.392 | ng/ml |
| 56) Aroclor 1268 (2) | 8.564 | 17410428 | 586.553 | ng/ml |
| 57) Aroclor 1268 (3) | 8.612 | 14472361 | 579.399 | ng/ml |
| 58) Aroclor 1268 (4) | 8.793 | 12828890 | 556.256 | ng/ml |
| 59) Aroclor 1268 (5) | 9.003 | 5434786 | 590.094 | ng/ml |
| 60) Aroclor 1268 (6) | 9.255 | 39170356 | 603.917 | ng/ml |
| 61) Aroclor 1268 - AVE | 0.000 | 0 | N.D. | ng/ml |

Handwritten: 2/13/20

(f)=RT Delta > 1/2 Window

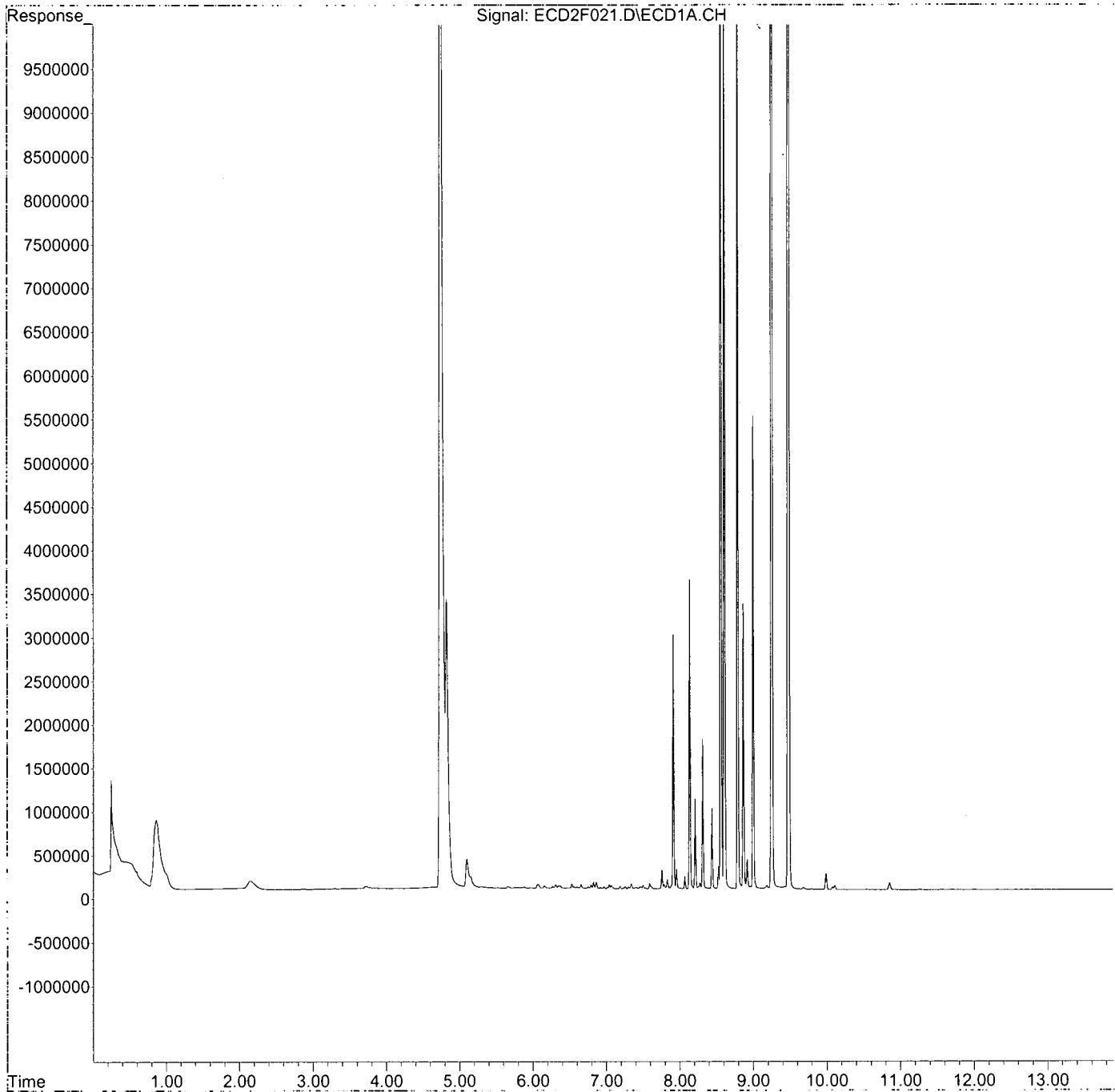
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:47 pm
Operator : MJB / KAK
Sample : 0D10012-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:24:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:23:16 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 0040379
Sequence 0D15038 (A0D0212-02RE1,03RE1)



Apex Laboratories
PREPARATION BENCH SHEET

APR 23 2020

BATCH #: 0040379 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | | |
|---|---------------|---------------------------------|----------------|-------------|------------|----------|---------------|----------|----------|--------------------------|------------------------------------|----|-----|-----|--|
| | | | | | | | | | | | | <2 | 2-8 | >11 | |
| | 0040379-BLK1 | QC | 04/10/20 08:28 | 11 | 10 | | | | 100 | | | | | | |
| | 0040379-BS1 | QC | 04/10/20 08:28 | 10 | 10 | A20C413 | | 100 | 100 | | | | | | |
| | A0D0196-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 10 | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP, MDL. Use Custom Spike. | | | | |
| | 0040379-DUP1 | QC | 04/10/20 08:28 | 10.27 | 10 | | A0D0196-01RE1 | | 100 | | | | | | |
| | 0040379-MS1 | QC | 04/10/20 08:28 | 10.37 | 10 | A20C413 | A0D0196-01RE1 | 100 | 100 | | | | | | |
| | 0040379-MSD1 | QC | 04/10/20 08:28 | 10.53 | 10 | A20C413 | A0D0196-01RE1 | 100 | 100 | | | | | | |
| | A0D0196-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.02 | 10 | | | | 100 | PDI-047SC-A-05-06-191001 | MDL. Use Custom Spike. | | | | |
| | A0D0196-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.67 | 10 | | | | 100 | PDI-047SC-A-06-07-191001 | MDL. Use Custom Spike. | | | | |
| | A0D0196-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.91 | 10 | | | | 100 | PDI-047SC-A-07-08-191001 | MDL. Use Custom Spike. | | | | |
| | A0D0205-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.78 | 10 | | | | 100 | PDI-049SC-A-08-09-191015 | MDL. Use Custom Spike. | | | | |
| | A0D0205-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 10 | | | | 100 | PDI-049SC-A-09-10-191015 | MDL. Use Custom Spike. | | | | |
| | A0D0205-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.99 | 10 | | | | 100 | PDI-049SC-A-10-11-191015 | MDL. Use Custom Spike. | | | | |
| | A0D0205-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 10 | | | | 100 | PDI-049SC-A-11-12-191015 | MDL. Use Custom Spike. | | | | |
| | A0D0207-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.68 | 10 | | | | 100 | PDI-057SC-A-09-10-191023 | MDL. Use Custom Spike. | | | | |
| | A0D0207-01RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.68 | 10 | | | | 100 | PDI-057SC-A-09-10-191023 | Added 4/16/2020 By MJB | | | | |
| | A0D0207-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.88 | 10 | | | | 100 | PDI-057SC-A-10-11-191023 | MDL. Use Custom Spike. | | | | |
| | A0D0207-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.88 | 10 | | | | 100 | PDI-057SC-A-10-11-191023 | Added 4/16/2020 By MJB | | | | |
| | A0D0207-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.17 | 20 | | | | 100 | PDI-057SC-A-11-12-191023 | MDL. Use Custom Spike. | | | | |
| | A0D0207-03RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.17 | 20 | | | | 100 | PDI-057SC-A-11-12-191023 | Added 4/16/2020 By MJB | | | | |
| | A0D0207-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 10 | | | | 100 | PDI-057SC-A-12-13-191023 | MDL. Use Custom Spike. | | | | |

Prepared By: _____ Date: _____

MJB
Reviewed By: _____ Date: 4/20/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040379 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|---|---------------|---------------------------------|----------------|-------------|------------|----------|-----------|----------|----------|--------------------------|------------------------|----|-----|-----|
| | | | | | | | | | | | | <2 | 2-8 | >11 |
| | A0D0207-04RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 10 | | | | 100 | PDI-057SC-A-12-13-191023 | Added 4/16/2020 By MJB | | | |
| | A0D0207-05RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 10 | | | | 100 | PDI-062SC-A-11-12-191023 | MDL. Use Custom Spike. | | | |
| | A0D0207-05RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 10 | | | | 100 | PDI-062SC-A-11-12-191023 | Added 4/16/2020 By MJB | | | |
| | A0D0207-06RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.21 | 10 | | | | 100 | PDI-062SC-A-12-13-191023 | MDL. Use Custom Spike. | | | |
| | A0D0207-06RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.21 | 10 | | | | 100 | PDI-062SC-A-12-13-191023 | Added 4/16/2020 By MJB | | | |
| | A0D0210-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 20 | | | | 100 | PDI-076SC-A-06-07-191013 | MDL. Use Custom Spike. | | | |
| | A0D0210-01RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 20 | | | | 100 | PDI-076SC-A-06-07-191013 | Added 4/16/2020 By MJB | | | |
| | A0D0210-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.12 | 20 | | | | 100 | PDI-076SC-A-07-08-191013 | MDL. Use Custom Spike. | | | |
| | A0D0210-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.12 | 20 | | | | 100 | PDI-076SC-A-07-08-191013 | Added 4/16/2020 By MJB | | | |
| | A0D0212-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.16 | 10 | | | | 100 | PDI-077SC-A-04-05-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-02RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.16 | 10 | | | | 100 | PDI-077SC-A-04-05-191014 | Added 4/16/2020 By MJB | | | |
| | A0D0212-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.32 | 10 | | | | 100 | PDI-077SC-A-05-06-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-03RE2 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.32 | 10 | | | | 100 | PDI-077SC-A-05-06-191014 | Added 4/16/2020 By MJB | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-----------------------|------------------|-----------|--------------------------------------|--------------|-----------|--------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | A20C413 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A20C403 | 03/31/21 | DCM CHEM PROD. 197501 | | | | | | |

From 0040362 on 4/10/2020 by ajj

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040379 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

In Out

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | | |
|----|---------------|---------------------------------|----------------|-------------|------------|----------|---------------|----------|----------|---------------------------|------------------------------------|-------|-----|-----|--|
| | | | | | | | | | | | | <2 | 5/8 | >11 | |
| 3 | 0040379-BLK1 | QC | 04/10/20 08:28 | 11 | 5.10 | | | | 100 | | 1ml | 2ml | | | |
| 4 | 0040379-BS1 | QC | 04/10/20 08:28 | 10 | 5.10 | A20CH3 | | 100 | 100 | | 1ml | 2ml | | | |
| 5 | A0D0196-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 5 | | | 100 | 100 | PDI-047SC-A-04 -05-191001 | MS/MSD/DUP, MDL. Use Custom Spike. | 1ml | 2ml | | |
| 6 | 0040379-DUP1 | QC | 04/10/20 08:28 | 10.27 | 5.10 | | A0D0196-01RE1 | | 100 | | | 1ml | 2ml | | |
| 7 | 0040379-MS1 | QC | 04/10/20 08:28 | 10.37 | 5.10 | A20CH3 | A0D0196-01RE1 | 100 | 100 | | | 1ml | 2ml | | |
| 8 | 0040379-MSD1 | QC | 04/10/20 08:28 | 10.53 | 5.10 | A20CH3 | A0D0196-01RE1 | 100 | 100 | | | 1ml | 2ml | | |
| 9 | A0D0196-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.02 | 5 | | | 100 | 100 | PDI-047SC-A-05 -06-191001 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 10 | A0D0196-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.67 | 5 | | | 100 | 100 | PDI-047SC-A-06 -07-191001 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 11 | A0D0196-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.91 | 5 | | | 100 | 100 | PDI-047SC-A-07 -08-191001 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 12 | A0D0205-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.78 | 5 | | | 100 | 100 | PDI-049SC-A-08 -09-191015 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 13 | A0D0205-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 5 | | | 100 | 100 | PDI-049SC-A-09 -10-191015 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 14 | A0D0205-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.99 | 5 | | | 100 | 100 | PDI-049SC-A-10 -11-191015 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 15 | A0D0205-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 5 | | | 100 | 100 | PDI-049SC-A-11 -12-191015 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 16 | A0D0207-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.68 | 5 | | | 100 | 100 | PDI-057SC-A-09 -10-191023 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 17 | A0D0207-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.88 | 5 | | | 100 | 100 | PDI-057SC-A-10 -11-191023 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 18 | A0D0207-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.17 | 5 | | | 100 | 100 | PDI-057SC-A-11 -12-191023 | MDL. Use Custom Spike. | 0.5ml | 2ml | | |
| 19 | A0D0207-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 5 | | | 100 | 100 | PDI-057SC-A-12 -13-191023 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 20 | A0D0207-05RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 5 | | | 100 | 100 | PDI-062SC-A-11 -12-191023 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 21 | A0D0207-06RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.21 | 5 | | | 100 | 100 | PDI-062SC-A-12 -13-191023 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 22 | A0D0210-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 5 | | | 100 | 100 | PDI-076SC-A-06 -07-191013 | MDL. Use Custom Spike. | 0.5ml | 2ml | | |

Prepared By: AGJ
Date: 4-13-20
JAG
can
4/14/2020
4/14/20

Reviewed By: J
Date: 4/17/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040379 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

In Out

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction | Comments | pH | | |
|----|---------------|---------------------------------|----------------|-------------|------------|----------|-----------|----------|----------|--------------------------|-----------------------------|----------|----|-----|-----|
| | | | | | | | | | | | | | <2 | 2-8 | >11 |
| 23 | A0D0210-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.12 | 5 20 | | | | 100 | PDI-076SC-A-07-08-191013 | MDL Use Custom Spike. 0.5mL | 2mL | | | |
| 24 | A0D0212-02RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.16 | 5 10 | | | | 100 | PDI-077SC-A-04-05-191014 | MDL Use Custom Spike. 1mL | 2mL | | | |
| 25 | A0D0212-03RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.32 | 5 10 | | | | 100 | PDI-077SC-A-05-06-191014 | MDL Use Custom Spike. 1mL | 2mL | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-----------------------|------------------|-----------|-------------------------|--------------|-----------|--------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | | | | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A20C403 | 03/31/21 | DCM CHEM PROD. 197501 | A20C413 | 4/25/20 | 2,4 + 4,4-DDx Pesticide | | | |
| | | | | | Matrix Spike | | | |

From 0040362 on 4/10/2020 by ajj

ON GPC # 1 4/13/20

Prepared By: AJJ Date: 4-13-20

Reviewed By: J Date: 4/17/2020



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040362 (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 | >11 |
| 1 | 0040362-BLK1 | QC | 04/10/20 08:28 | 10.11 | 5 ✓ | | | | 100 | | | | | |
| 2 | 0040362-BS1 | QC | 04/10/20 08:28 | 10 | 5 ✓ | A20C413 | | 100 | 100 | | | | | |
| 3 | A0D0196-01 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 5 ✓ | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP, MDL. Use Custom Spike. soil | | | |
| 4 | 0040362-DUP1 | QC | 04/10/20 08:28 | 10.27 | 5 ✓ | | A0D0196-01 | | 100 | | soil | | | |
| 5 | 0040362-MS1 | QC | 04/10/20 08:28 | 10.37 | 5 ✓ | A20C413 | A0D0196-01 | 100 | 100 | | soil | | | |
| 6 | 0040362-MSD1 | QC | 04/10/20 08:28 | 10.53 | 5 ✓ | A20C413 | A0D0196-01 | 100 | 100 | | soil | | | |
| 7 | A0D0196-02 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.02 | 5 ✓ | | | | 100 | PDI-047SC-A-05-06-191001 | MDL. Use Custom Spike. soil | | | |
| 8 | A0D0196-03 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.67 | 5 ✓ | | | | 100 | PDI-047SC-A-06-07-191001 | MDL. Use Custom Spike. soil | | | |
| 9 | A0D0196-04 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.91 | 5 ✓ | | | | 100 | PDI-047SC-A-07-08-191001 | MDL. Use Custom Spike. soil | | | |
| 10 | A0D0205-01 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.78 | 5 ✓ | | | | 100 | PDI-049SC-A-08-09-191015 | MDL. Use Custom Spike. soil mud | | | |
| 11 | A0D0205-02 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 5 ✓ | | | | 100 | PDI-049SC-A-09-10-191015 | MDL. Use Custom Spike. soil | | | |
| 12 | A0D0205-03 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.99 | 5 ✓ | | | | 100 | PDI-049SC-A-10-11-191015 | MDL. Use Custom Spike. soil | | | |
| 13 | A0D0205-04 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.39 | 5 ✓ | | | | 100 | PDI-049SC-A-11-12-191015 | MDL. Use Custom Spike. mud | | | |
| 14 | A0D0207-01 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.68 | 5 ✓ | | | | 100 | PDI-057SC-A-09-10-191023 | MDL. Use Custom Spike. soil | | | |
| 15 | A0D0207-02 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.88 | 5 ✓ | | | | 100 | PDI-057SC-A-10-11-191023 | MDL. Use Custom Spike. mud | | | |
| 16 | A0D0207-03 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.17 | 5 ✓ | | | | 100 | PDI-057SC-A-11-12-191023 | MDL. Use Custom Spike. soil | | | |
| 17 | A0D0207-04 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.28 | 5 ✓ | | | | 100 | PDI-057SC-A-12-13-191023 | MDL. Use Custom Spike. mud | | | |
| 18 | A0D0207-05 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 5 ✓ | | | | 100 | PDI-062SC-A-11-12-191023 | MDL. Use Custom Spike. soil | | | |
| 19 | A0D0207-06 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.21 | 5 ✓ | | | | 100 | PDI-062SC-A-12-13-191023 | MDL. Use Custom Spike. soil | | | |
| 20 | A0D0210-01 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10.45 | 5 ✓ | | | | 100 | PDI-076SC-A-06-07-191013 | MDL. Use Custom Spike. mud | | | |

Prepared By: JAG Date: 4/10/2020
CAH 4/10/20

Reviewed By: cas Date: 04/13/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040362 (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 | 8 | >11 |
| 21 | A0D0210-02 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10 10.12 | 5 ✓ | | | | 100 | PDI-076SC-A-07-08-191013.. | MDL Use Custom Spike. mud | | | |
| 22 | A0D0212-02 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10 10.16 | 5 ✓ | | | | 100 | PDI-077SC-A-04-05-191014 | MDL Use Custom Spike. mud | | | |
| 23 | A0D0212-03 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:28 | 10 10.32 | 5 ✓ | | | | 100 | PDI-077SC-A-05-06-191014 | MDL Use Custom Spike. mud | | | |

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 | A20C413 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A191272 | 06/20/20 | 8082 PCB Surrogate Spike |
| A18K311 | --12/31/20 | Glass Wool | | | | A20C363 | 9/20/20 | |
| A19K010 | 10/29/25 | Sodium Sulfate Lot # 188777 | JAG | | | JAG | 4/10/20 | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: ✓ CAH

Witness: CAH 4/10/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D15038** Instrument: **DUALECD5**
 Date: **04/15/20 10:56** Calibration: **A0C2504**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D15038-BKD1 | Sediment | QC | QC | | | | A20C091 |
| 2 | 0D15038-BKD2 | Sediment | QC | QC | | | | A20C091 |
| 3 | 0D15038-CCV1 | Sediment | QC | QC | | | | A20C183 |
| 4 | 0D15038-CCV2 | Sediment | QC | QC | | | | A20C358 |
| 5 | 0D15038-CCB1 | Sediment | QC | QC | | | | A20C404 |
| 6 | A0D0207-01RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 7 | A0D0207-04RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 8 | A0D0207-05RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 9 | A0D0207-06RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 10 | A0D0212-03RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 11 | 0D15038-CCV3 | Sediment | QC | QC | | | | A20C184 |
| 12 | 0D15038-CCV4 | Sediment | QC | QC | | | | A20C359 |
| 13 | 0D15038-CCB2 | Sediment | QC | QC | | | | A20C404 |
| 14 | A0D0207-02RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 15 | 0D15038-IBL1 | Sediment | QC | QC | | | | |
| 16 | A0D0207-03RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 17 | 0D15038-IBL2 | Sediment | QC | QC | | | | |
| 18 | A0D0210-01RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 19 | 0D15038-IBL3 | Sediment | QC | QC | | | | |
| 20 | A0D0210-02RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 21 | 0D15038-IBL4 | Sediment | QC | QC | | | | |
| 22 | A0D0212-02RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 23 | 0D15038-IBL5 | Sediment | QC | QC | | | | |
| 24 | 0D15038-CCV5 | Sediment | QC | QC | | | | A20C183 |
| 25 | 0D15038-CCV6 | Sediment | QC | QC | | | | A20C358 |
| 26 | 0D15038-CCB3 | Sediment | QC | QC | | | | A20C404 |

2,4-DPT not reported.

Comments:

Data Entered By: MJB 4/16/20

Data Reviewed By: [Signature] 4/17/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 11:47
 Operator : MJB
 Sample : 0D15038-BKD1
 Misc : A20C091
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 12:01:14 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|-----------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.526 | 1858465 | NoCal | ng/mL |
| 2) Endrin | 7.891 | 78043580 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.945 | 17263822 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.140 | 129096035 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.339 | 4060359 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.832 | 14025994 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.291 | 2245053 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.659 | 119915804 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.705 | 19526455 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.043 | 4948611 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.931 | 208373845 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.632 | 12784501 | NoCal | ng/mL |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Failed. Maintenance performed.

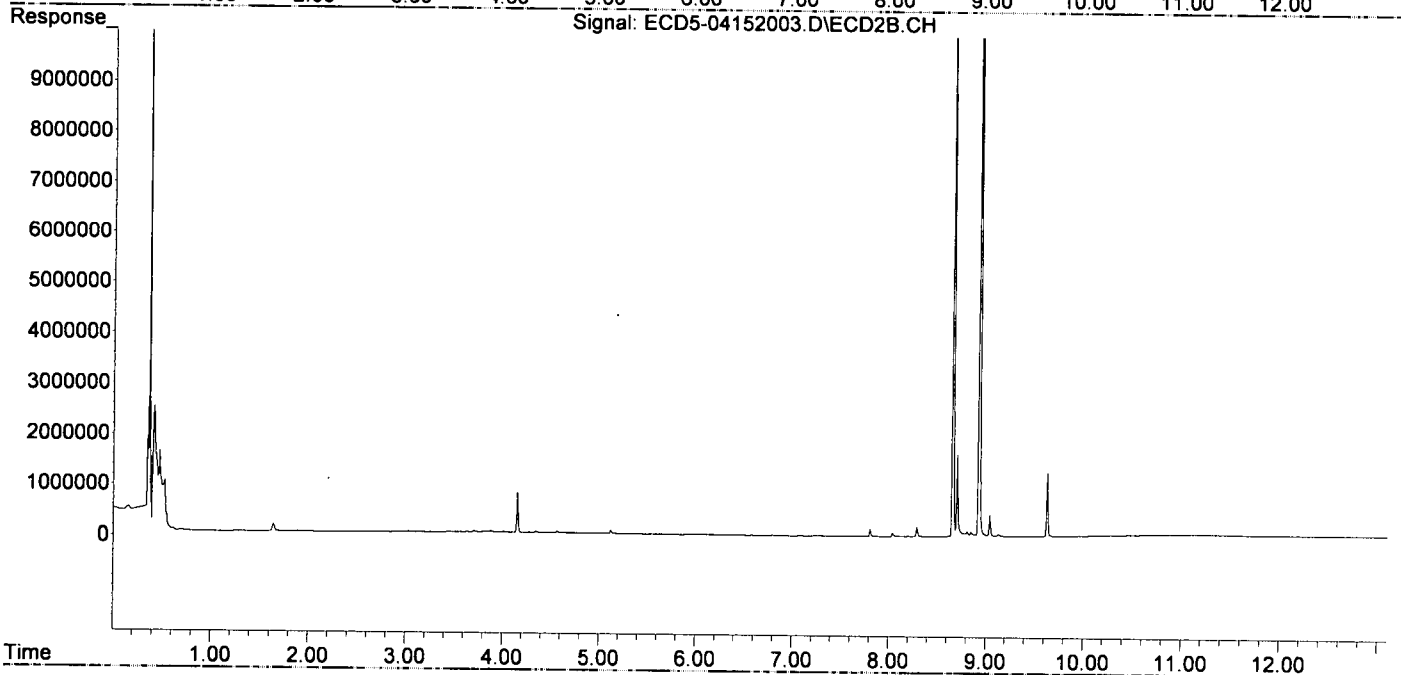
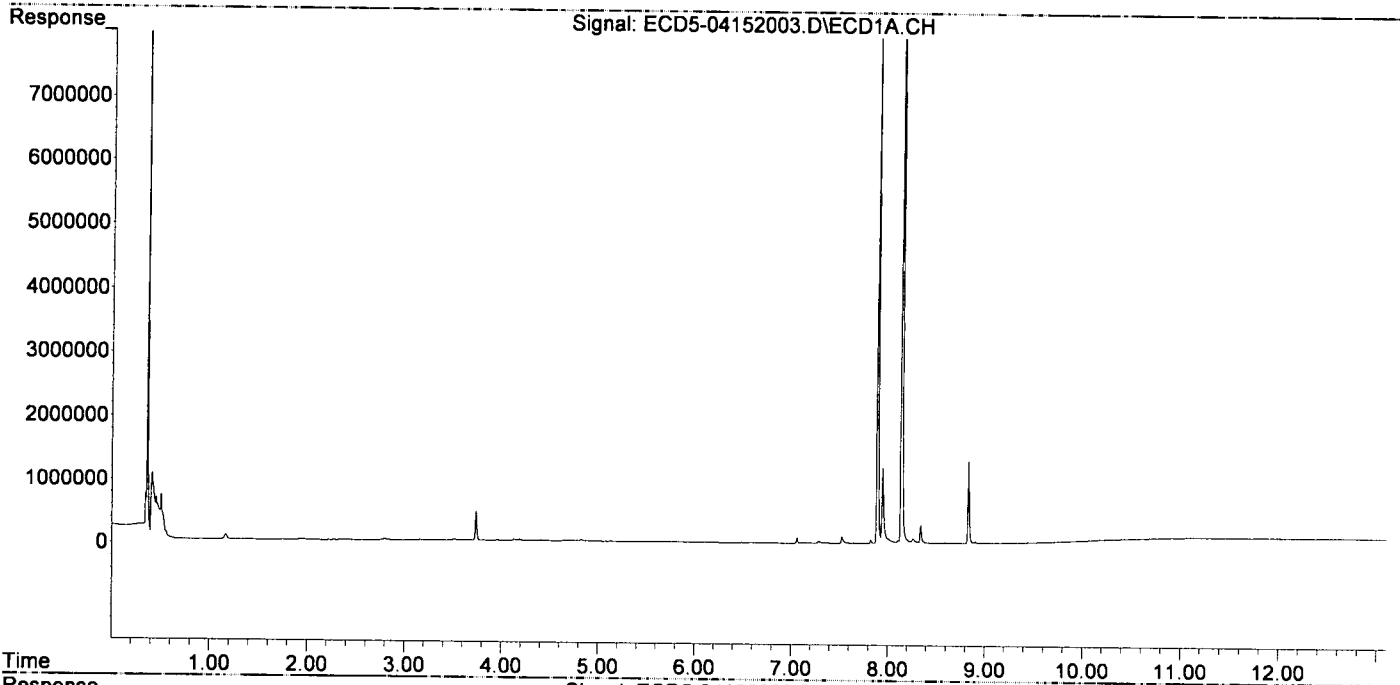
MJB 4/15/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 11:47
Operator : MJB
Sample : 0D15038-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1.

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 12:01:14 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D15038 BKD2

Data File: ECD5-04542005.D

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|-----------|-------------------|-------------|
| DDE | 754536 | | |
| DDD | 11135158 | | |
| DDT | 100032062 | 10.62 | PASS |
| Endrin | 73034803 | 12.32 | PASS |
| Endrin Aldehyde | 3035640 | | |
| Endrin Ketone | 7230648 | | |

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|-----------|-------------------|-------------|
| DDE | 1129588 | | |
| DDD | 15912251 | | |
| DDT | 137344030 | 11.04 | PASS |
| Endrin | 99857919 | 13.15 | PASS |
| Endrin Aldehyde | 3770576 | | |
| Endrin Ketone | 11343221 | | |

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

MB
4/15/22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 13:09
 Operator : MJB
 Sample : 0D15038-BKD2
 Misc : A20C091
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 13:25:31 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|-----------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.509 | 754536 | NoCal | ng/mL |
| 2) Endrin | 7.879 | 73034803 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.930 | 11135158 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.127 | 100032062 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.326 | 3035640 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.821 | 7230648 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.279 | 1129588 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.649 | 99857919 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.694 | 15912251 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.033 | 3770576 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.921 | 137344030 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.622 | 11343221 | NoCal | ng/mL |

(f)=RT Delta > 1/2 Window

(m)=manual int.

*Replaced Siltek seal, reducing nut,
 & 1/2" splitter. Cut ~ 6" off guard
 column.*

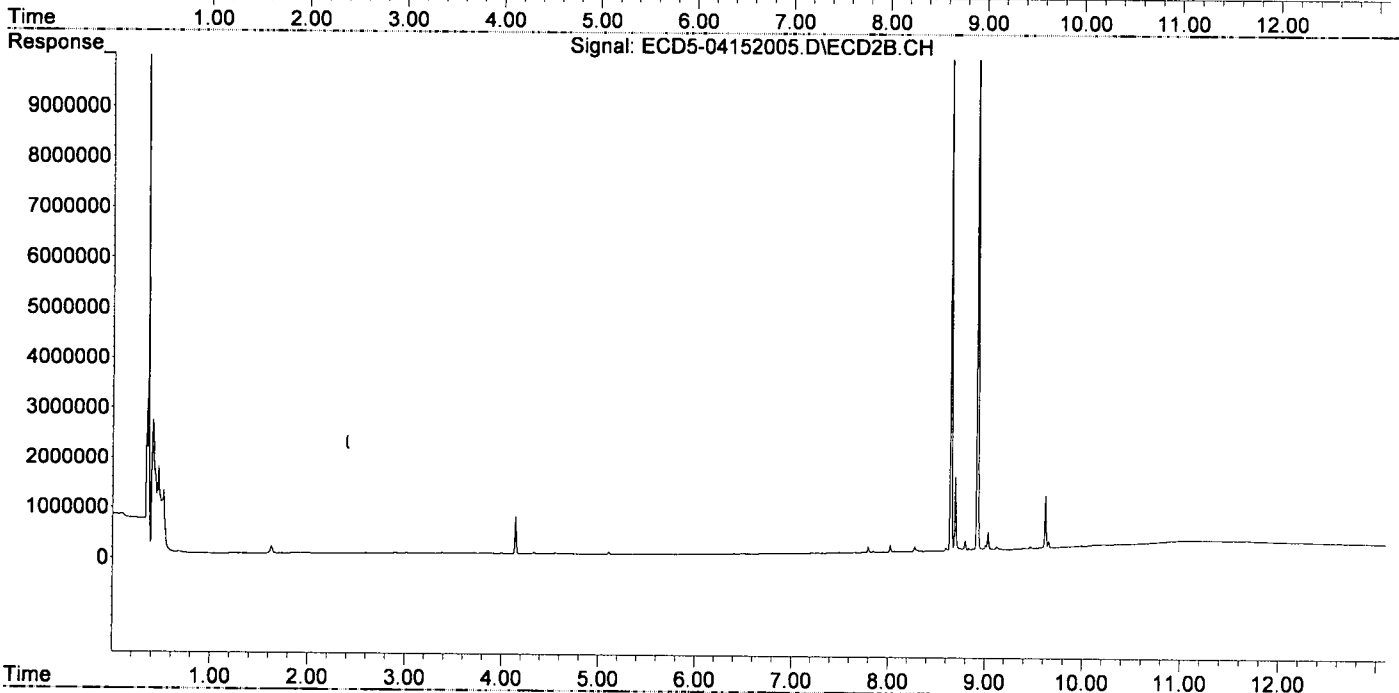
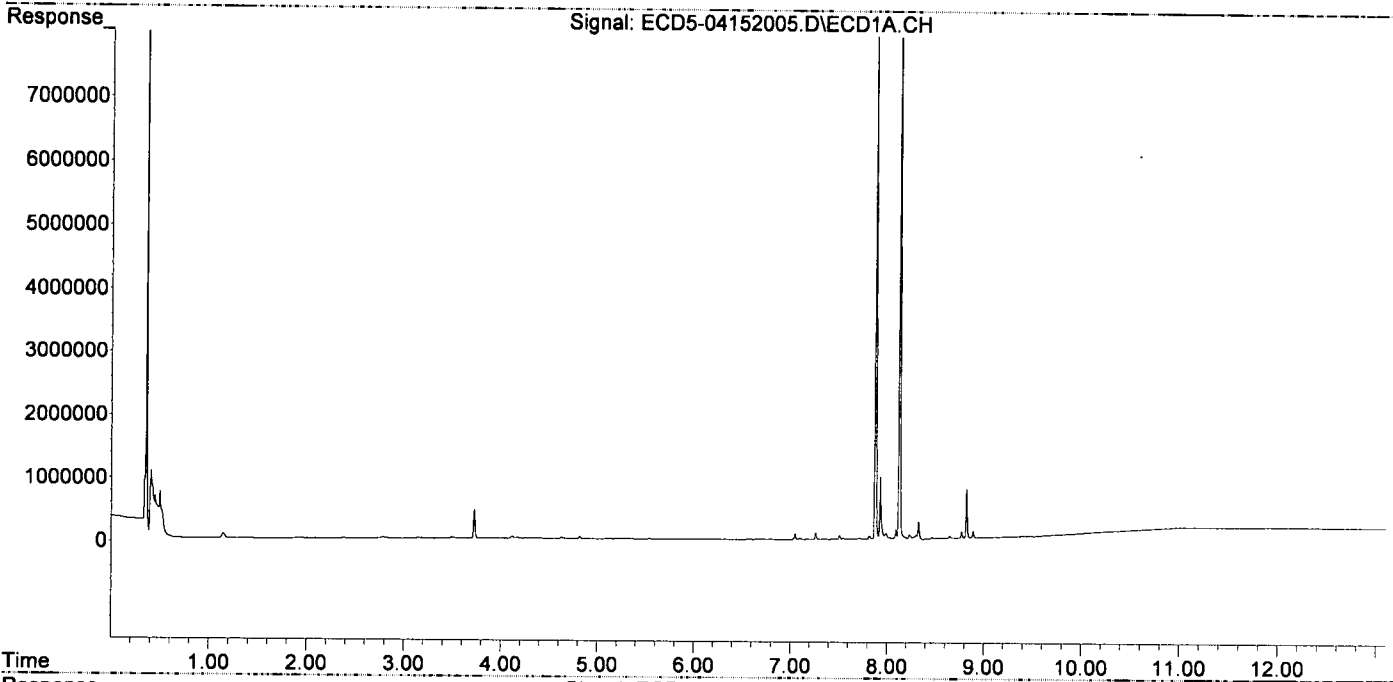
*MJB
 4/15/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 13:09
Operator : MJB
Sample : 0D15038-BKD2
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 13:25:31 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 13:26
 Operator : MJB
 Sample : OD15038-CCV1
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:35:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

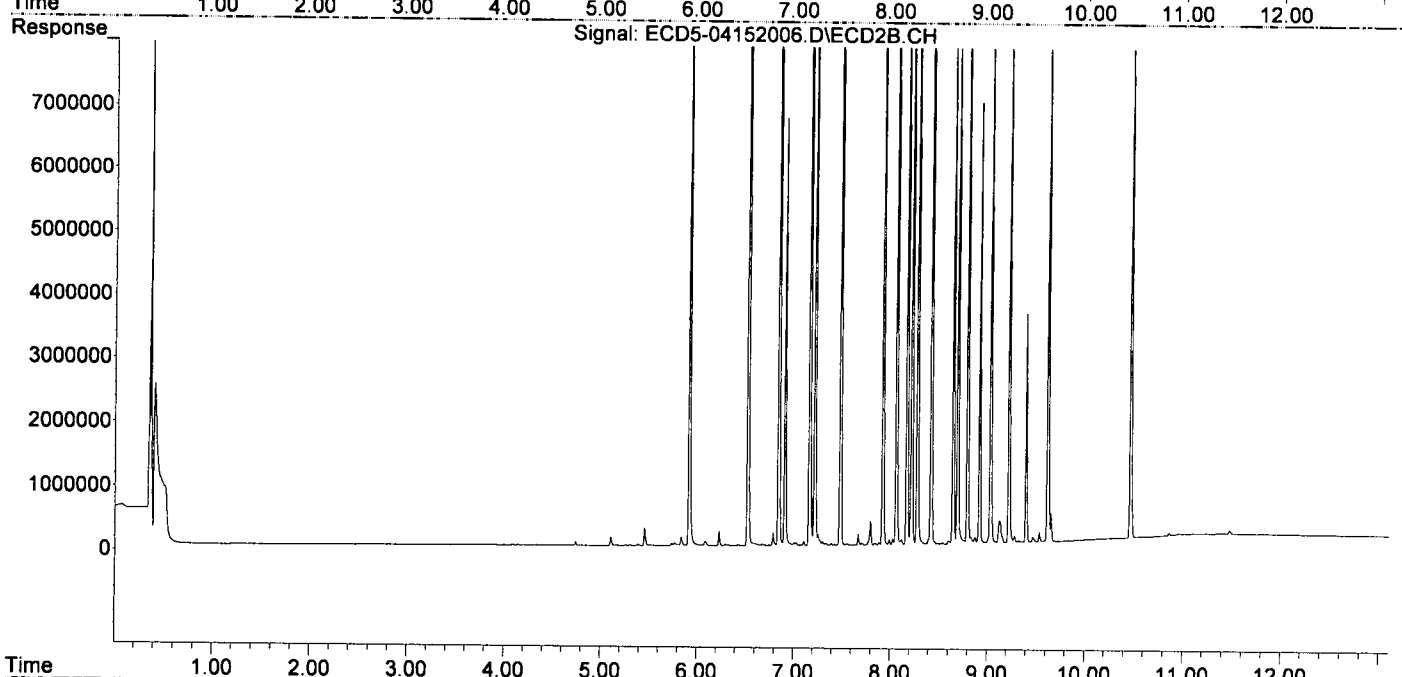
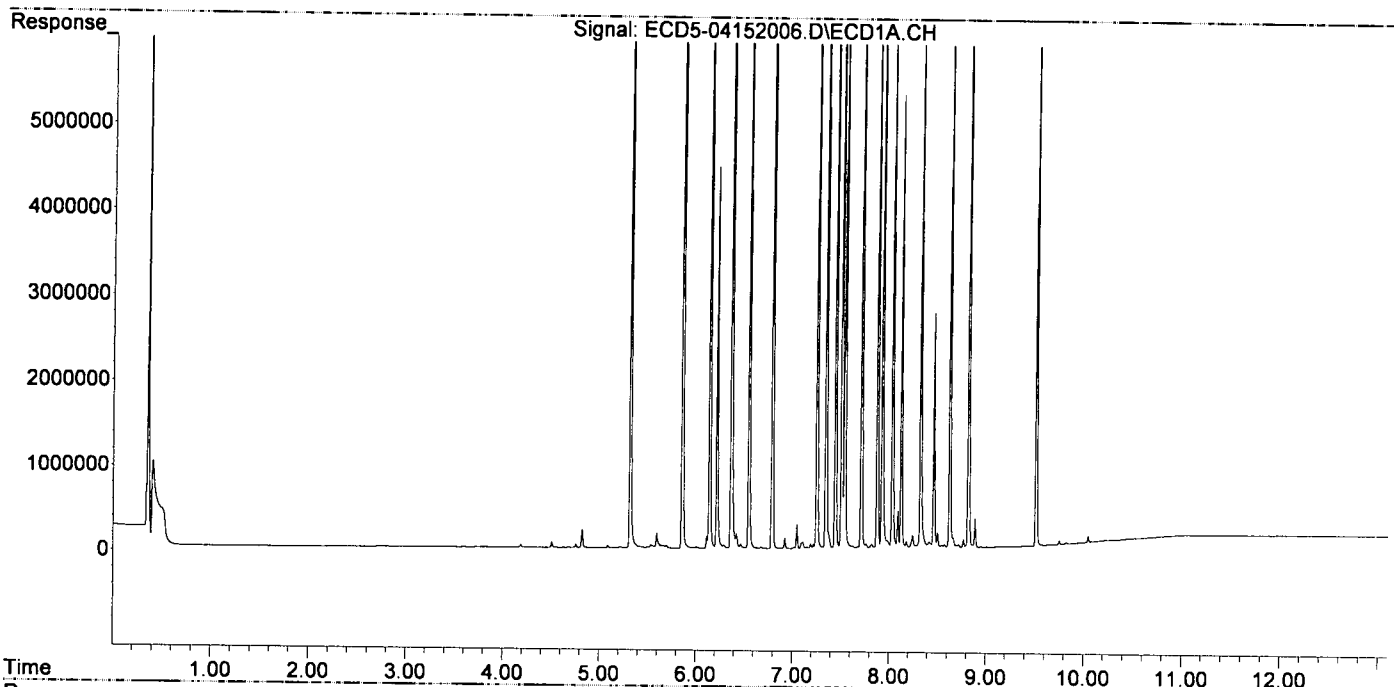
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.320 | 5.917 | 9135087 | 13468607 | 47.284 | 47.118 |
| 22) S DCBP (S) | 9.516 | 10.469 | 7424871 | 8854480 | 49.798 | 52.138 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.859 | 6.525 | 13110148 | 20136746 | 49.813 | 49.695 |
| 3) g-BHC | 6.142 | 6.844 | 10931231 | 16506540 | 47.788 | 46.660 |
| 4) b-BHC | 6.218 | 6.908 | 4463917 | 6724706 | 46.660 | 44.821 |
| 5) Heptachlor | 6.550 | 7.217 | 9822406 | 14483491 | 44.089 | 43.215 |
| 6) d-BHC | 6.367 | 7.163 | 9613727 | 16063765 | 49.270 | 49.192 |
| 7) Aldrin | 6.791 | 7.483 | 11320833 | 16460244 | 50.989 | 50.510 |
| 8) Heptachlo... | 7.253 | 7.922 | 9818318 | 14226190 | 47.906 | 47.795 |
| 9) trans-Chl... | 7.347 | 8.062 | 10178371 | 14755283 | 48.826 | 48.706 |
| 10) cis-Chlor... | 7.445 | 8.170 | 9894214 | 13613870 | 48.315 | 46.916 |
| 11) Endosulfa... | 7.542 | 8.219 | 9499886 | 13135628 | 49.136 | 48.343 |
| 12) 4,4'-DDE | 7.508 | 8.278 | 10011928 | 14535323 | 50.793 | 50.762 |
| 13) Dieldrin | 7.714 | 8.420 | 10697598 | 14860789 | 50.351 | 49.950 |
| 14) Endrin | 7.878 | 8.647 | 7585279 | 10461886 | 44.377 | 45.689 |
| 15) 4,4'-DDD | 7.928 | 8.694 | 8170308 | 12330888 | 49.993 | 51.247 |
| 16) Endosulfa... | 8.034 | 8.795 | 7887005 | 11767230 | 47.074 | 49.050 |
| 17) 4,4'-DDT | 8.126 | 8.920 | 5270102 | 6943667 | 40.378 | 38.591 Q-2 |
| 18) Endrin Al... | 8.325 | 9.033 | 6617916 | 9416854 | 45.213 | 45.273 |
| 19) Endosulfa... | 8.627 | 9.222 | 7297521 | 10327675 | 44.379 | 45.358 |
| 20) Methoxychlor | 8.462 | 9.399 | 2740154 | 3588007 | 40.663 | 39.476 |
| 21) Endrin Ke... | 8.820 | 9.622 | 8297836 | 10879736 | 43.451 | 43.638 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.698 | 6.405f | 30410 | 5891 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.189 | 7.839 | 54320 | 24971 | 0.065 | BelowCal # |
| 26) 2,4'-DDE | 7.253 | 8.062 | 9818318 | 14755283 | 79.297 | 75.449 |
| 27) trans-Non... | 7.445 | 8.115 | 9894214 | 78122 | 52.139 | 0.047 # |
| 28) 2,4'-DDD | 0.000 | 8.420 | 0 | 14860789 | N.D. | 85.515 # |
| 29) 2,4'-DDT | 7.823 | 8.647 | 47584 | 10461886 | 0.277 | 65.867 # |
| 30) cis-Nonac... | 7.928f | 8.694 | 8170308 | 12330888 | 39.856 | 40.890 |
| 31) Mirex | 8.575 | 9.622 | 36083 | 10879736 | 5765.081 | 61.348 # |
| 32) Chlordane... | 7.347 | 8.062 | 10178371 | 14755283 | 436.051 | 374.460 |
| 33) Chlordane... | 7.445 | 8.170 | 9894214 | 13613870 | 372.631 | 415.707 |
| 34) Chlordane... | 8.034f | 8.833 | 7887005 | 98798 | 1084.921 | 9.655 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.445 | 8.420 | 9894214 | 14860789 | 9521.073 | 5284.049 # |
| 37) Toxaphene... | 7.765 | 8.795 | 49789 | 11767230 | 24.075 | 3292.338 # |
| 38) Toxaphene... | 8.091f | 8.795 | 431111 | 11767230 | 105.754 | 2107.492 # |
| 39) Toxaphene... | 8.325f | 8.873 | 6617916 | 99528 | 1684.749 | 7.878 # |
| 40) Toxaphene... | 8.543 | 9.033f | 29515 | 9416854 | 9.622 | 1905.600 # |
| 41) Toxaphene... | 8.575f | 9.468f | 36083 | 79778 | 9.008 | 14.761 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 13:26
Operator : MJB
Sample : 0D15038-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:35:57 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualeCD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 13:43
 Operator : MJB
 Sample : OD15038-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:02 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

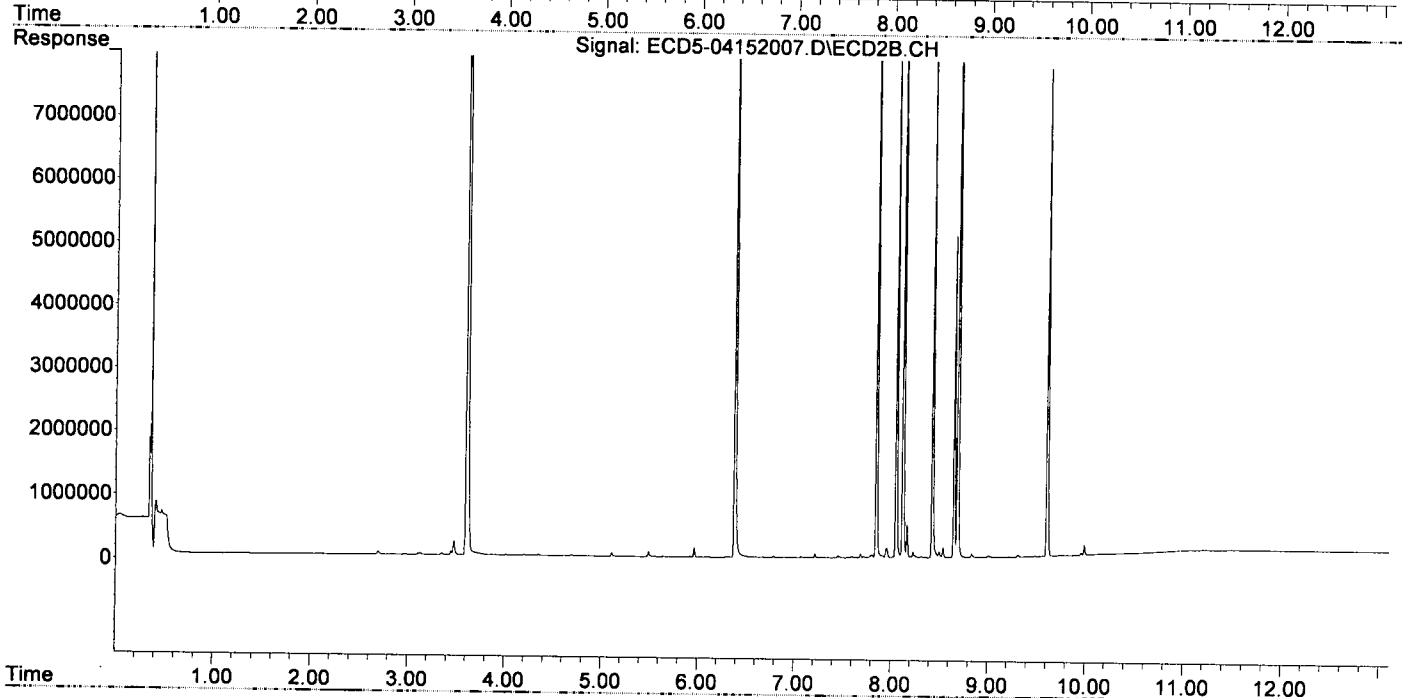
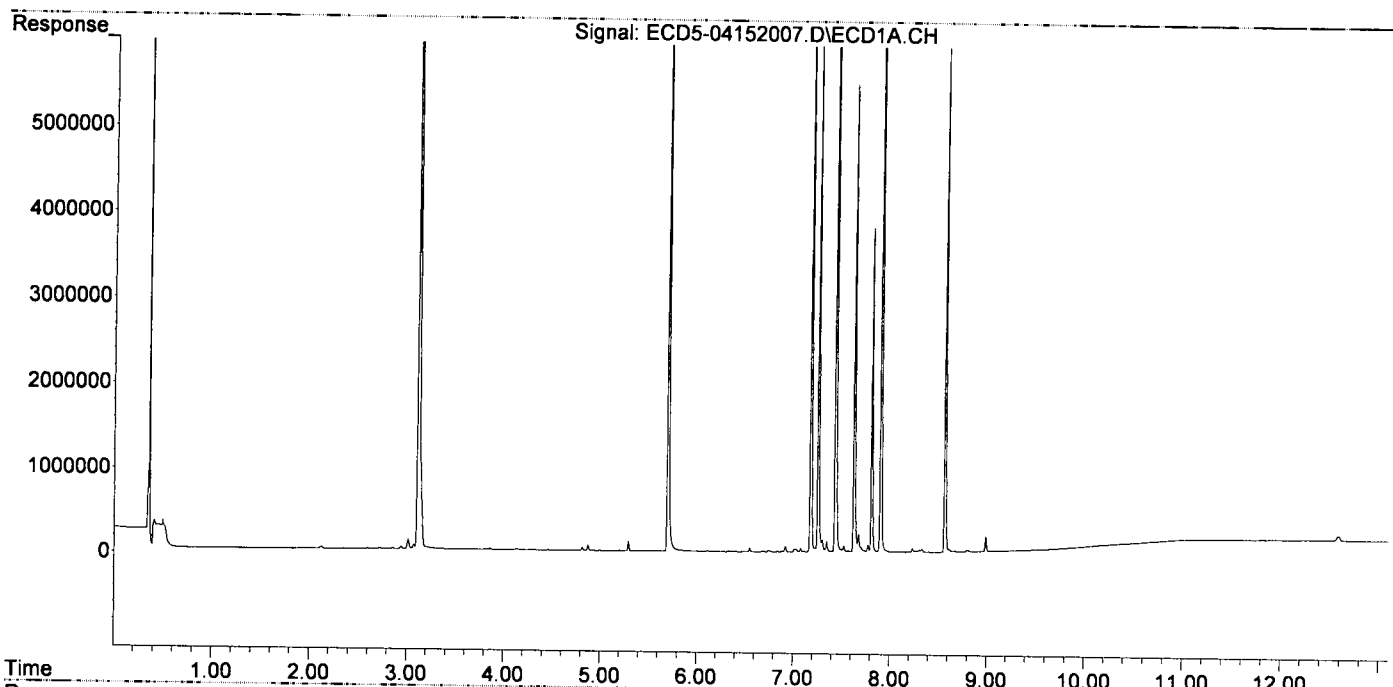
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.293f | 5.924 | 109390 | 9412 | 0.566 | 0.033 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.113f | 0.000 | 13558 | 0 | 0.059 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.550 | 7.216 | 45679 | 62486 | 0.205 | 0.186 |
| 6) d-BHC | 6.331f | 7.163 | 10506 | 6707 | 0.054 | 0.021 # |
| 7) Aldrin | 0.000 | 7.454f | 0 | 35243 | N.D. | 0.108 # |
| 8) Heptachlo... | 7.257 | 7.902 | 6046045 | 37397 | 29.500 | 0.126 # |
| 9) trans-Chl... | 7.347 | 8.056 | 124064 | 8915810 | 0.595 | 29.430 # |
| 10) cis-Chlor... | 7.435 | 8.168 | 9141990 | 503612 | 44.642 | 1.736 # |
| 11) Endosulfa... | 7.524 | 8.231 | 74060 | 87779 | 0.383 | 0.323 |
| 12) 4,4'-DDE | 7.524 | 8.251f | 74060 | 27281 | 0.376 | 0.095 # |
| 13) Dieldrin | 7.676f | 8.429 | 210237 | 8132917 | 0.990 | 27.336 # |
| 14) Endrin | 7.905f | 8.653 | 10278451 | 5063189 | 60.133 | 22.112 # |
| 15) 4,4'-DDD | 7.905f | 8.691 | 10278451 | 14351432 | 62.892 | 59.645 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.095f | 0.000 | 5730 | 0 | 0.029 | N.D. # |
| 18) Endrin Al... | 8.333 | 9.032 | 38239 | 11358 | 0.261 | 0.055 # |
| 19) Endosulfa... | 0.000 | 9.222 | 0 | 5382 | N.D. | 0.024 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.796f | 9.612 | 20615 | 7688729 | 0.108 | 30.839 # |
| 23) Hexachlor... | 3.117 | 3.606 | 8852422 | 17370438 | 47.152 | 47.317 |
| 24) Hexachlor... | 5.701 | 6.384 | 8574650 | 13037478 | 46.935 | 45.336 |
| 25) Oxychlorane | 7.180 | 7.850 | 8023394 | 11854015 | 47.220 | 46.488 |
| 26) 2,4'-DDE | 7.257 | 8.056 | 6046045 | 8915810 | 49.237 | 46.811 |
| 27) trans-Non... | 7.435 | 8.124 | 9141990 | 12975373 | 48.182 | 45.533 |
| 28) 2,4'-DDD | 7.629 | 8.429 | 5458413 | 8132917 | 50.632 | 48.203 |
| 29) 2,4'-DDT | 7.811 | 8.653 | 3773631 | 5063189 | 36.471 | 33.837 Q-31 |
| 30) cis-Nonac... | 7.905 | 8.691 | 10278451 | 14351432 | 50.075 | 47.317 |
| 31) Mirex | 8.570 | 9.612 | 5868441 | 7688729 | 44.778 | 43.759 |
| 32) Chlordane... | 7.347 | 8.056 | 124064 | 8915810 | 5.315 | 226.266 # |
| 33) Chlordane... | 7.435f | 8.168 | 9141990 | 503612 | 344.301 | 15.378 # |
| 34) Chlordane... | 0.000 | 8.836 | 0 | 55915 | N.D. | 5.464 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.435f | 8.429 | 9141990 | 8132917 | 8797.217 | 2891.820 # |
| 37) Toxaphene... | 7.774f | 0.000 | 85550 | 0 | 43.168 | N.D. # |
| 38) Toxaphene... | 8.095f | 8.836f | 5730 | 55915 | 1.406 | 10.014 # |
| 39) Toxaphene... | 8.306 | 8.878 | 29178 | 6372 | 7.428 | BelowCal # |
| 40) Toxaphene... | 8.570f | 9.032f | 5868441 | 11358 | 1913.113 | 2.298 # |
| 41) Toxaphene... | 8.570f | 0.000 | 5868441 | 0 | 1465.023 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 13:43
Operator : MJB
Sample : 0D15038-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:02 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 14:00
 Operator : MJB
 Sample : 0D15038-CCB1
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

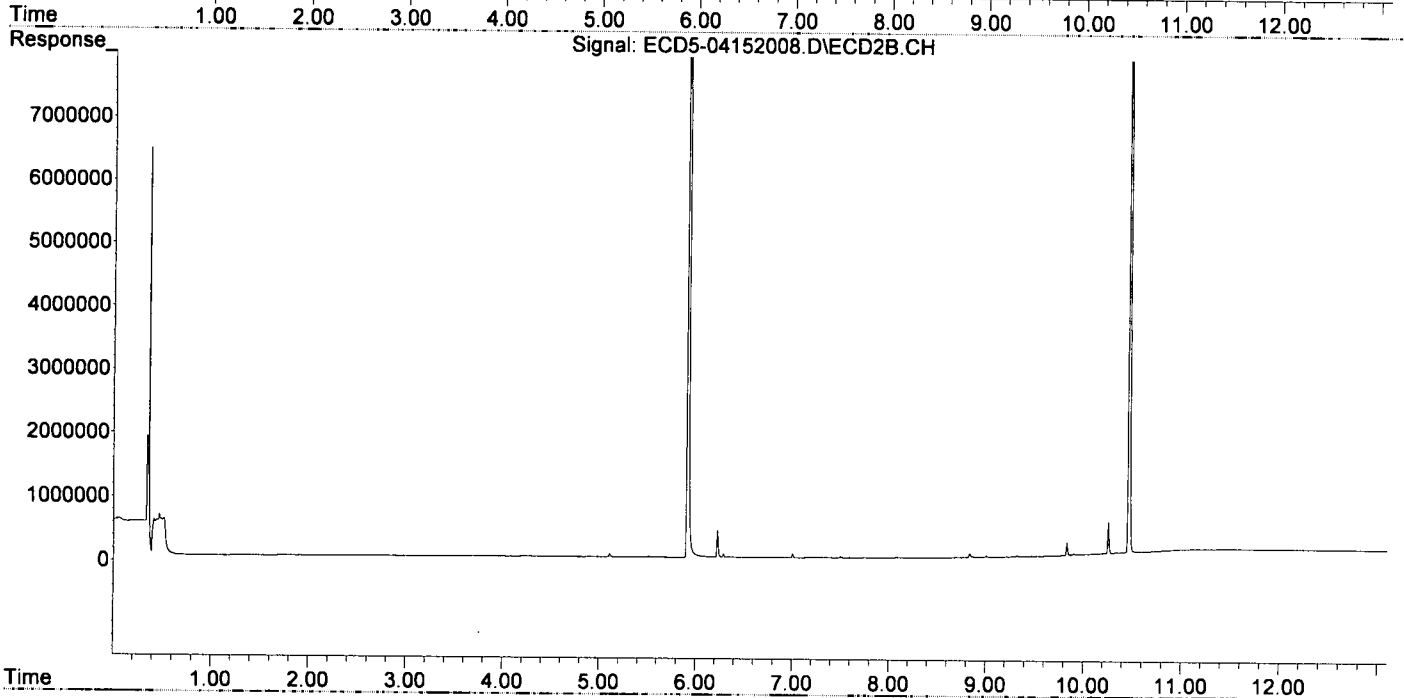
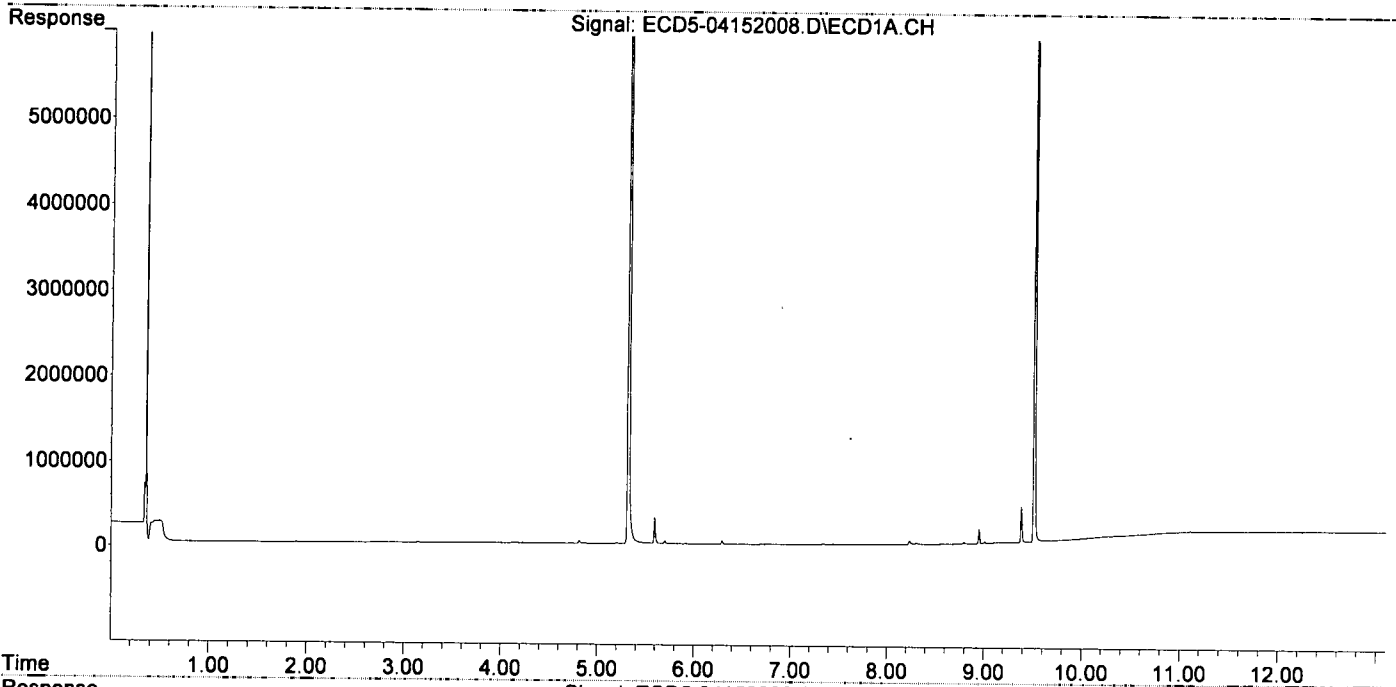
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.319 | 5.916 | 17350351 | 27410493 | 89.808 | 95.892 |
| 22) S DCBP (S) | 9.515 | 10.468 | 12918672 | 15257897 | 86.720 | 89.843 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.500 | 0 | 14709 | N.D. | 0.045 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.335 | 8.079 | 10900 | 5830 | 0.052 | 0.019 # |
| 10) cis-Chlor... | 7.442 | 0.000 | 3969 | 0 | 0.019 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.052 | 0.000 | 2048 | 0 | 0.012 | N.D. # |
| 17) 4,4'-DDT | 8.145 | 0.000 | 2543 | 0 | 0.003 | N.D. # |
| 18) Endrin Al... | 8.305 | 9.009f | 19673 | 24976 | 0.134 | 0.120 |
| 19) Endosulfa... | 8.627 | 9.221 | 2689 | 3261 | 0.016 | 0.014 |
| 20) Methoxychlor | 0.000 | 9.396 | 0 | 1474 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.794f | 9.616 | 20236 | 2762 | 0.106 | 0.011 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.701 | 0.000 | 36504 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.079f | 0 | 5830 | N.D. | BelowCal |
| 27) trans-Non... | 7.442 | 0.000 | 3969 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 8.572 | 9.616 | 5022 | 2762 | 5765.319 | BelowCal # |
| 32) Chlordane... | 7.335f | 8.079 | 10900 | 5830 | 0.467 | 0.148 # |
| 33) Chlordane... | 7.442 | 0.000 | 3969 | 0 | 0.149 | N.D. # |
| 34) Chlordane... | 0.000 | 8.837 | 0 | 56129 | N.D. | 5.485 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.442 | 0.000 | 3969 | 0 | 3.819 | N.D. # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.052 | 8.837f | 2048 | 56129 | 0.502 | 10.053 # |
| 39) Toxaphene... | 8.305 | 8.876 | 19673 | 6806 | 5.008 | BelowCal # |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 41) Toxaphene... | 8.572f | 9.473f | 5022 | 4973 | 1.254 | 0.920 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 14:00
Operator : MJB
Sample : 0D15038-CCB1
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1.

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 15:26
 Operator : MJB
 Sample : A0D0212-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 17:05:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.318 | 5.915 | 6666363 | 9982522 | 34.506 | 34.922 |
| 22) S DCBP (S) | 9.513 | 10.466 | 5590074 | 6133717 | 37.456 | 36.117 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.851 | 0.000 | 33741 | 0 | 0.128 | N.D. # |
| 3) g-BHC | 6.150 | 6.804f | 6604 | 73189 | 0.029 | 0.207 # |
| 4) b-BHC | 6.202 | 6.918 | 12028 | 9498 | 0.126 | 0.063 # |
| 5) Heptachlor | 6.558 | 7.220 | 11048 | 7547 | 0.050 | 0.023 # |
| 6) d-BHC | 6.377 | 7.131f | 7316 | 22694 | 0.037 | 0.069 # |
| 7) Aldrin | 6.766f | 7.499 | 18458 | 6597 | 0.083 | 0.020 # |
| 8) Heptachlo... | 7.248 | 7.900f | 9687 | 21373 | 0.047 | 0.072 # |
| 9) trans-Chl... | 7.344 | 8.070 | 5454 | 11141 | 0.026 | 0.037 # |
| 10) cis-Chlor... | 7.428 | 8.199f | 9030 | 10730 | 0.044 | 0.037 # |
| 11) Endosulfa... | 7.537 | 8.199f | 19990 | 10730 | 0.103 | 0.039 # |
| 12) 4,4'-DDE | 7.517 | 8.285 | 6162 | 29049 | 0.031m | 0.101 # |
| 13) Dieldrin | 7.707 | 8.409 | 5392 | 32088 | 0.025 | 0.108 # |
| 14) Endrin | 7.896 | 0.000 | 40705 | 0 | 0.238 | N.D. # |
| 15) 4,4'-DDD | 7.896f | 8.688 | 40705 | 6888 | 0.249 | 0.029 # |
| 16) Endosulfa... | 8.015 | 8.785 | 14575 | 22230 | 0.087 | 0.093 # |
| 17) 4,4'-DDT | 8.140 | 8.946f | 21241 | 47359 | 0.157 | 0.348 # Q21 |
| 18) Endrin Al... | 8.299f | 9.044 | 22353 | 24636 | 0.153 | 0.118 # |
| 19) Endosulfa... | 8.624 | 9.236 | 90806 | 20346 | 0.552 | 0.089 # |
| 20) Methoxychlor | 8.459 | 9.396 | 82151 | 97515 | 1.105 | 1.087 # |
| 21) Endrin Ke... | 8.836 | 9.610 | 13980 | 37713 | 0.073 | 0.151 # |
| 23) Hexachlor... | 3.114 | 3.582f | 12112 | 533878 | 11064.644 | 1.267 # |
| 24) Hexachlor... | 5.700 | 6.401 | 25610 | 84936 | BelowCal | 0.064 |
| 25) Oxychlordane | 7.168 | 7.841 | 12418 | 37563 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.248 | 8.045 | 9687 | 11080 | BelowCal | BelowCal |
| 27) trans-Non... | 7.428 | 8.133 | 9030 | 12761 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.640 | 8.409 | 16355 | 32088 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.799 | 8.654 | 9053 | 5914 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.896 | 8.688 | 40705 | 6888 | BelowCal | BelowCal |
| 31) Mirex | 8.566 | 9.610 | 13906 | 37713 | 5765.251 | BelowCal # |
| 32) Chlordane... | 7.344 | 8.070 | 5454 | 11141 | 0.234 | 0.283 |
| 33) Chlordane... | 7.481f | 8.199 | 9972 | 10730 | 0.376 | 0.328 |
| 34) Chlordane... | 8.015 | 8.831 | 14575 | 79354 | 2.005 | 7.755 # |
| 35) Chlordane... | 0.000 | 3.687f | 0 | 32646 | N.D. | NoCal |
| 36) Toxaphene... | 7.481f | 8.409f | 9972 | 32088 | 9.596 | 11.409 |
| 37) Toxaphene... | 7.745 | 8.785 | 6369 | 22230 | 0.951 | 6.220 # |
| 38) Toxaphene... | 8.083 | 8.831 | 5162 | 79354 | 1.266 | 14.212 # |
| 39) Toxaphene... | 8.299 | 8.875 | 22353 | 10685 | 5.691 | BelowCal # |
| 40) Toxaphene... | 8.542 | 9.044 | 8799 | 24636 | 2.869 | 4.985 # |
| 41) Toxaphene... | 8.624f | 9.432 | 90806 | 89417 | 22.669 | 16.545 # |
| 42) Toxaphene... | 0.000 | 3.687f | 0 | 32646 | N.D. | NoCal |

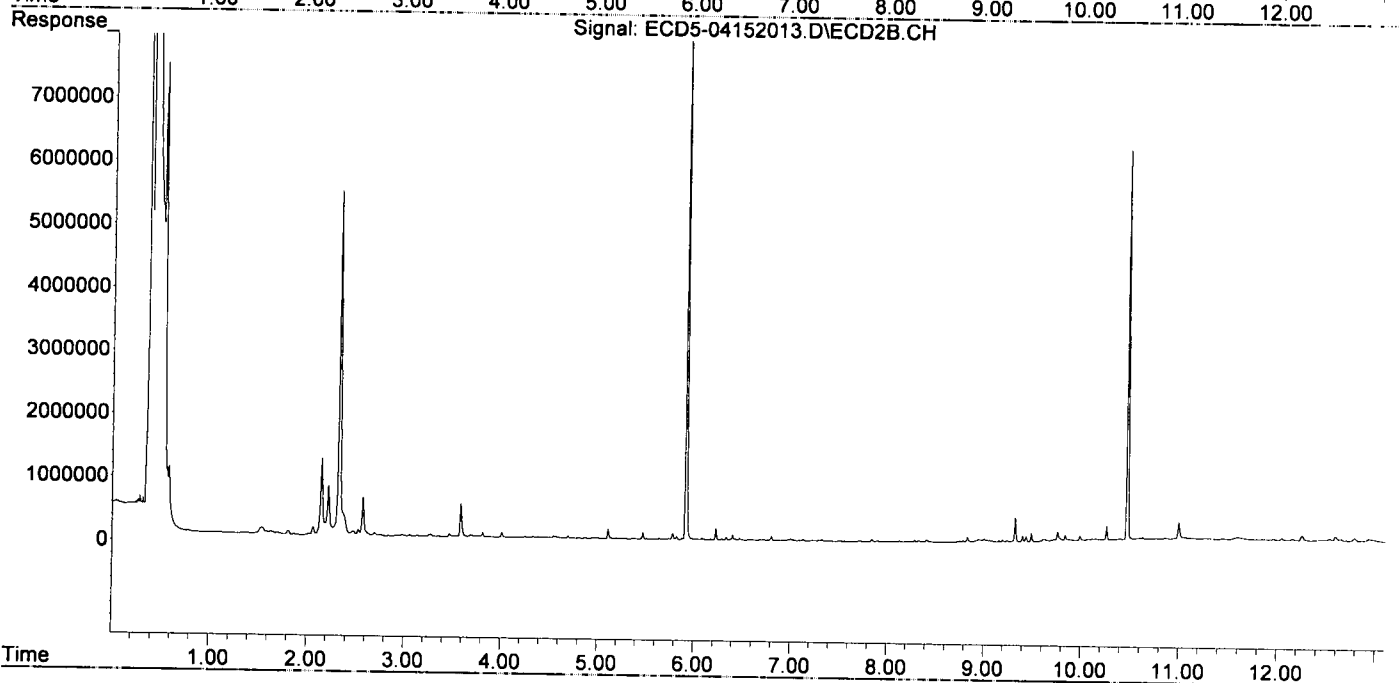
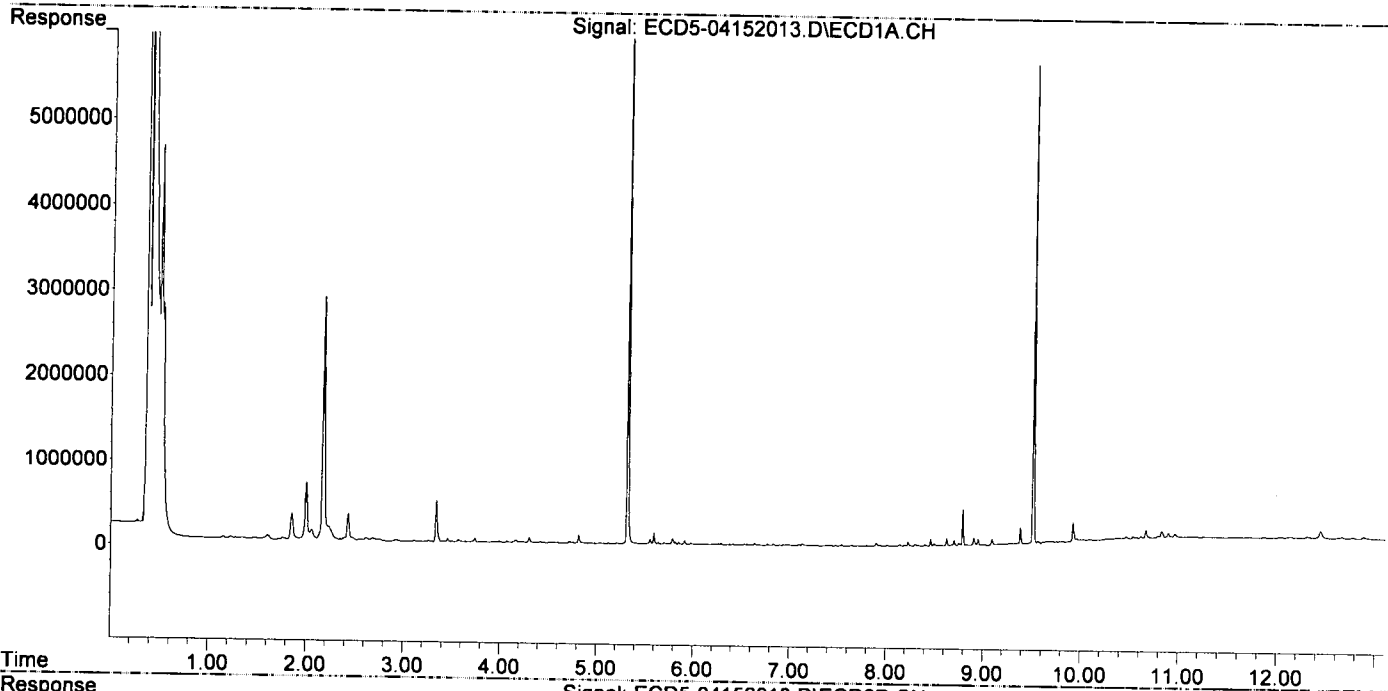
Q14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 15:26
Operator : MJB
Sample : AOD0212-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 17:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

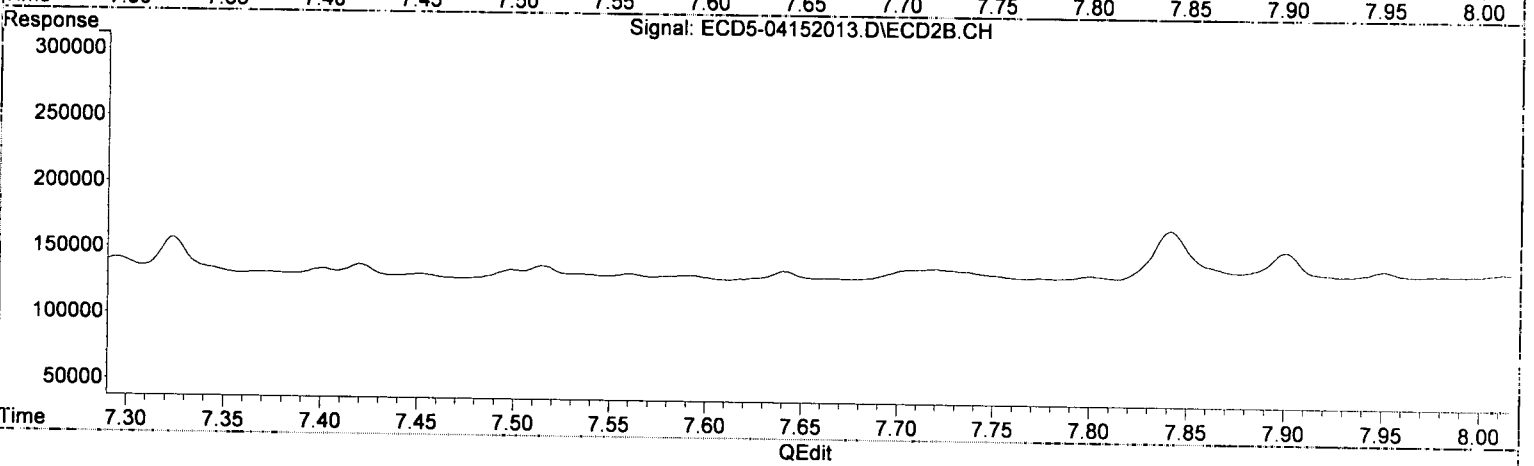
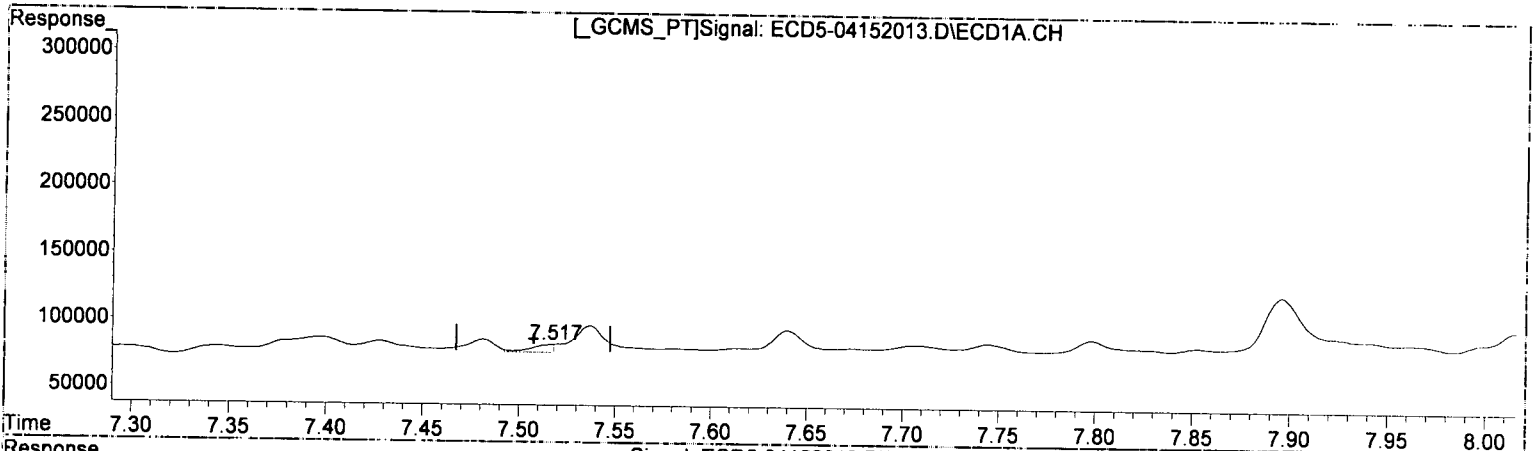


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 15:26
Operator : MJB
Sample : A0D0212-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.517min 0.031 ng/mL (m)
response 6162

MJB
4/15/20

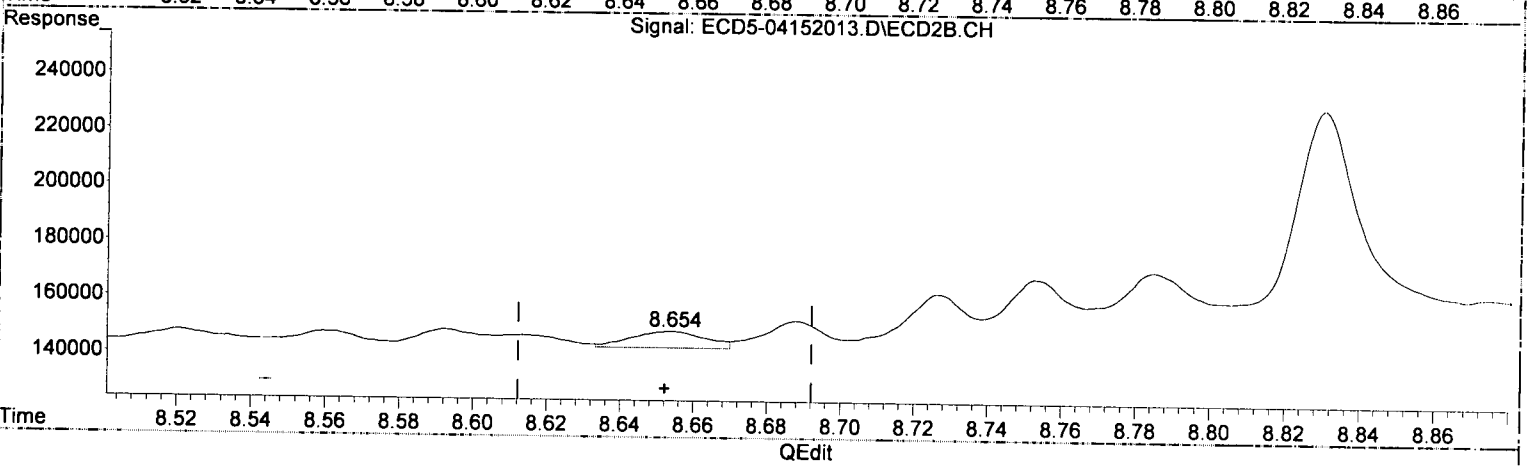
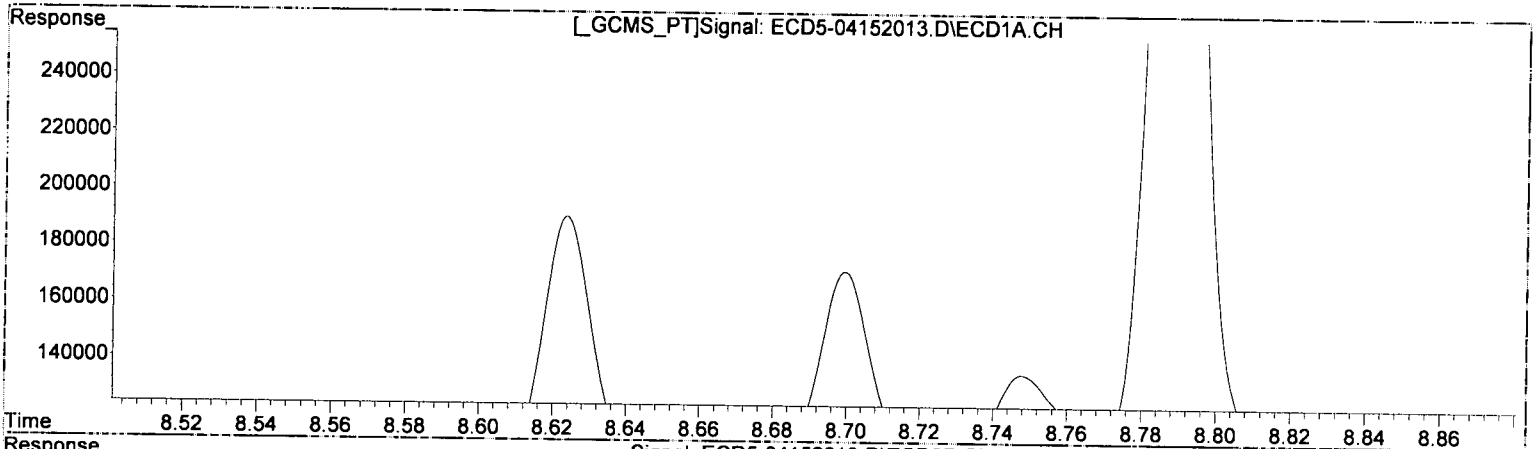
(12) 4,4'-DDE #2
8.285min 0.101 ng/mL
response 29049

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 15:26
Operator : MJB
Sample : A0D0212-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.799min -0.111 ng/mL
response 9053

MJB
4/15/20

Q-14

(29) 2,4'-DDT #2
8.654min -0.144 ng/mL *η*
response 5914

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 15:26
 Operator : MJB
 Sample : AOD0212-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJ

MJB
4/15/20

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

System Monitoring Compounds

| | | | | | | | |
|-------|----------|-------|--------|---------|---------|--------|--------|
| 1) S | TCMX (S) | 5.318 | 5.915 | 6666363 | 9982522 | 34.506 | 34.922 |
| 22) S | DCBP (S) | 9.513 | 10.466 | 5590074 | 6133717 | 37.456 | 36.117 |

Target Compounds

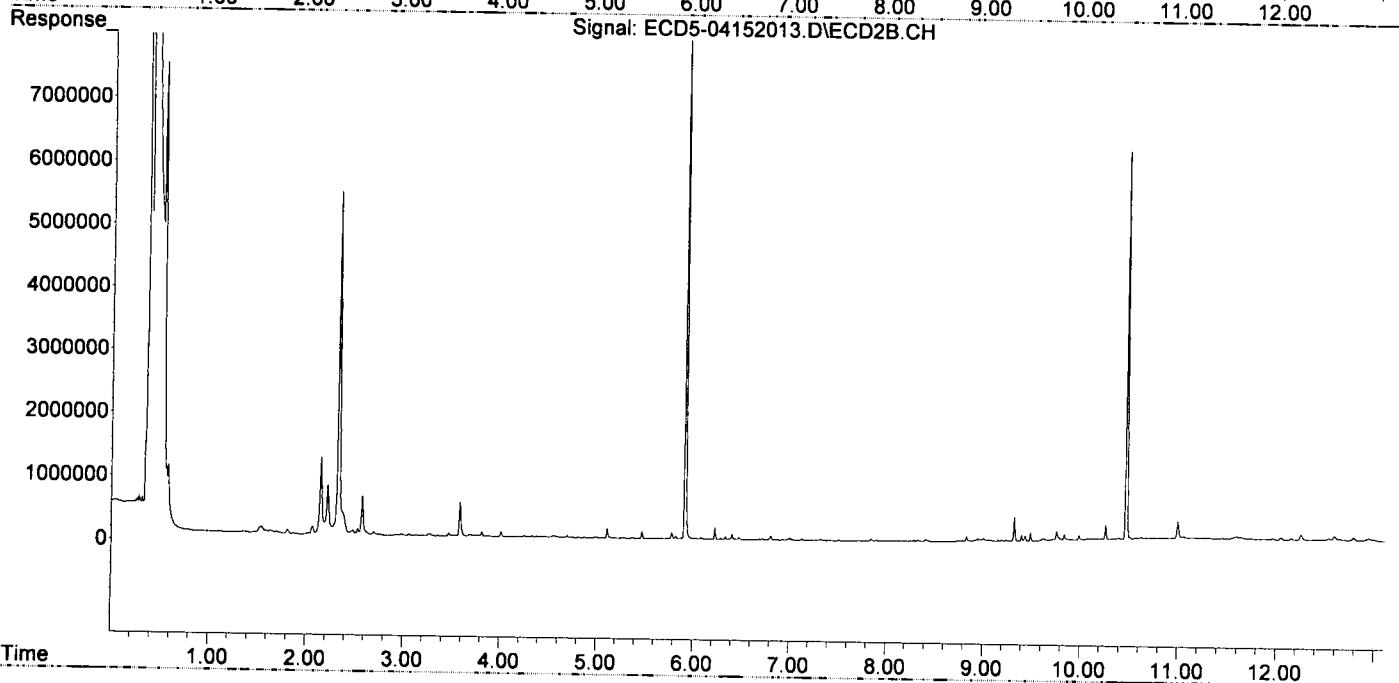
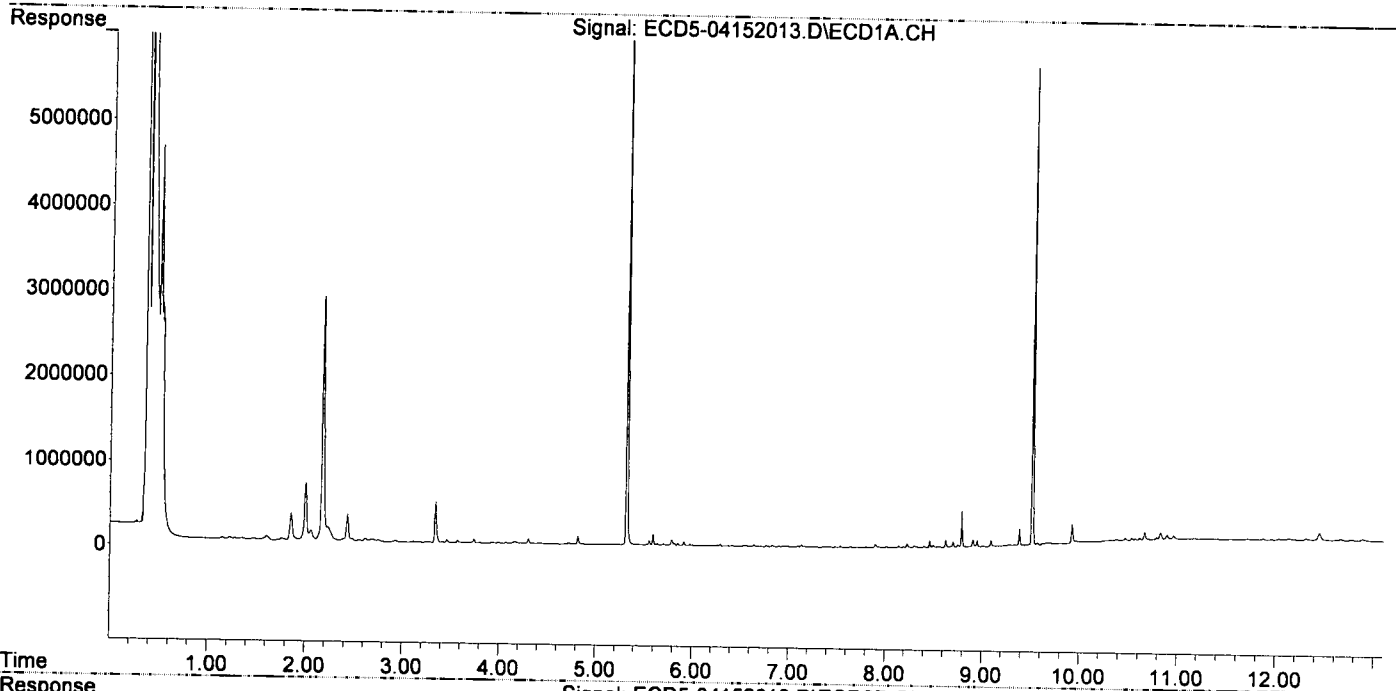
| | | | | | | | | |
|-----|--------------|--------|--------|-------|--------|-----------|----------|---|
| 2) | a-BHC | 5.851 | 0.000 | 33741 | 0 | 0.128 | N.D. | # |
| 3) | g-BHC | 6.150 | 6.804f | 6604 | 73189 | 0.029 | 0.207 | # |
| 4) | b-BHC | 6.202 | 6.918 | 12028 | 9498 | 0.126 | 0.063 | # |
| 5) | Heptachlor | 6.558 | 7.220 | 11048 | 7547 | 0.050 | 0.023 | # |
| 6) | d-BHC | 6.377 | 7.131f | 7316 | 22694 | 0.037 | 0.069 | # |
| 7) | Aldrin | 6.766f | 7.499 | 18458 | 6597 | 0.083 | 0.020 | # |
| 8) | Heptachlo... | 7.248 | 7.900f | 9687 | 21373 | 0.047 | 0.072 | # |
| 9) | trans-Chl... | 7.344 | 8.070 | 5454 | 11141 | 0.026 | 0.037 | # |
| 10) | cis-Chlor... | 7.428 | 8.199f | 9030 | 10730 | 0.044 | 0.037 | # |
| 11) | Endosulfa... | 7.537 | 8.199f | 19990 | 10730 | 0.103 | 0.039 | # |
| 12) | 4,4'-DDE | 7.481f | 8.285 | 9972 | 29049 | 0.051 | 0.101 | # |
| 13) | Dieldrin | 7.707 | 8.409 | 5392 | 32088 | 0.025 | 0.108 | # |
| 14) | Endrin | 7.896 | 0.000 | 40705 | 0 | 0.238 | N.D. | # |
| 15) | 4,4'-DDD | 7.896f | 8.688 | 40705 | 6888 | 0.249 | 0.029 | # |
| 16) | Endosulfa... | 8.015 | 8.785 | 14575 | 22230 | 0.087 | 0.093 | # |
| 17) | 4,4'-DDT | 8.140 | 8.946f | 21241 | 47359 | 0.157 | 0.348 | # |
| 18) | Endrin Al... | 8.299f | 9.044 | 22353 | 24636 | 0.153 | 0.118 | # |
| 19) | Endosulfa... | 8.624 | 9.236 | 90806 | 20346 | 0.552 | 0.089 | # |
| 20) | Methoxychlor | 8.459 | 9.796 | 82151 | 97515 | 1.105 | 1.087 | # |
| 21) | Endrin Ke... | 8.836 | 9.610 | 13980 | 37713 | 0.073 | 0.151 | # |
| 23) | Hexachlor... | 3.114 | 3.582f | 12112 | 533878 | 11064.644 | 1.267 | # |
| 24) | Hexachlor... | 5.700 | 6.401 | 25610 | 84936 | BelowCal | 0.064 | # |
| 25) | Oxychlorane | 7.168 | 7.841 | 12418 | 37563 | BelowCal | BelowCal | # |
| 26) | 2,4'-DDE | 7.248 | 8.045 | 9687 | 11080 | BelowCal | BelowCal | # |
| 27) | trans-Non... | 7.428 | 8.133 | 9030 | 12761 | BelowCal | BelowCal | # |
| 28) | 2,4'-DDD | 7.640 | 8.409 | 16355 | 32088 | BelowCal | BelowCal | # |
| 29) | 2,4'-DDT | 7.799 | 8.688f | 9053 | 6888 | BelowCal | BelowCal | # |
| 30) | cis-Nonac... | 7.896 | 8.688 | 40705 | 6888 | BelowCal | BelowCal | # |
| 31) | Mirex | 8.566 | 9.610 | 13906 | 37713 | 5765.251 | BelowCal | # |
| 32) | Chlordane... | 7.344 | 8.070 | 5454 | 11141 | 0.234 | 0.283 | # |
| 33) | Chlordane... | 7.481f | 8.199 | 9972 | 10730 | 0.376 | 0.328 | # |
| 34) | Chlordane... | 8.015 | 8.831 | 14575 | 79354 | 2.005 | 7.755 | # |
| 35) | Chlordane... | 0.000 | 3.687f | 0 | 32646 | N.D. | NoCal | # |
| 36) | Toxaphene... | 7.481f | 8.409f | 9972 | 32088 | 9.596 | 11.409 | # |
| 37) | Toxaphene... | 7.745 | 8.785 | 6369 | 22230 | 0.951 | 6.220 | # |
| 38) | Toxaphene... | 8.083 | 8.831 | 5162 | 79354 | 1.266 | 14.212 | # |
| 39) | Toxaphene... | 8.299 | 8.875 | 22353 | 10685 | 5.691 | BelowCal | # |
| 40) | Toxaphene... | 8.542 | 9.044 | 8799 | 24636 | 2.869 | 4.985 | # |
| 41) | Toxaphene... | 8.624f | 9.432 | 90806 | 89417 | 22.669 | 16.545 | # |
| 42) | Toxaphene... | 0.000 | 3.687f | 0 | 32646 | N.D. | NoCal | # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 15:26
Operator : MJB
Sample : AOD0212-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 15:44
 Operator : MJB
 Sample : 0D15038-CCV3
 Misc : A20C184, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:30 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
4/15/20*

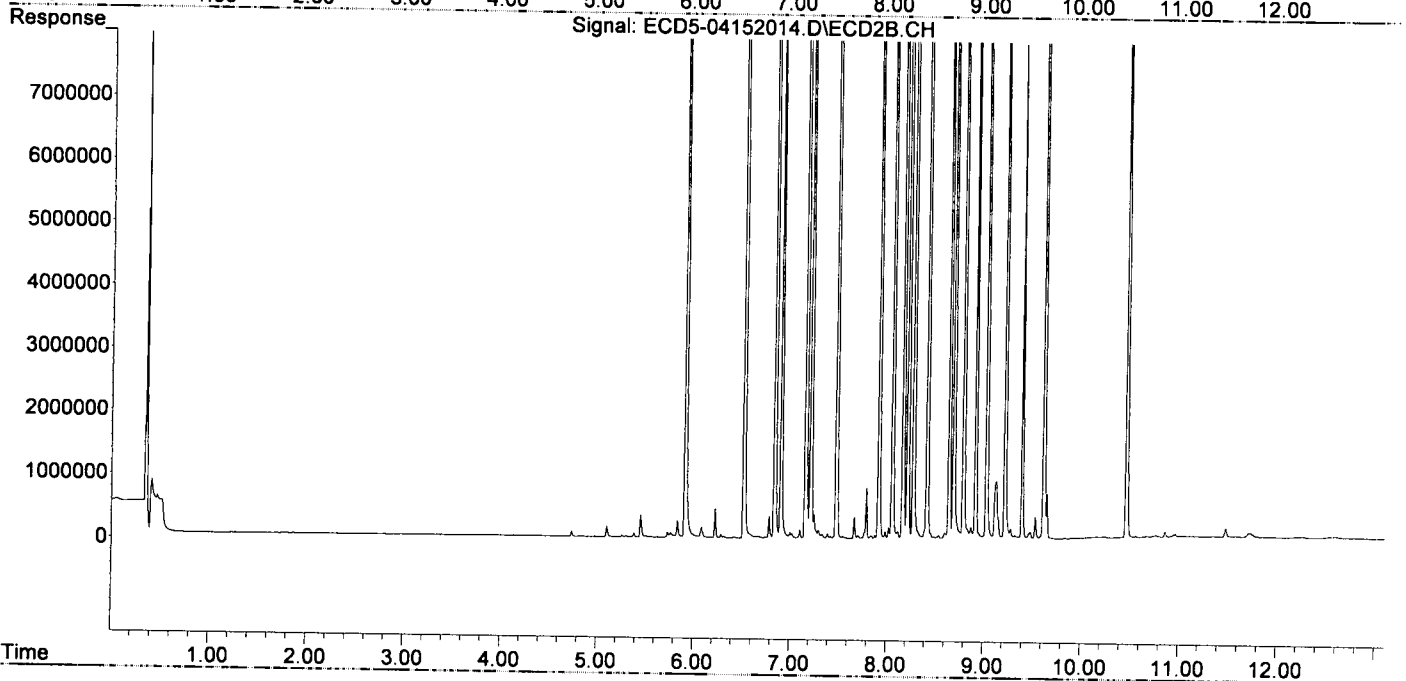
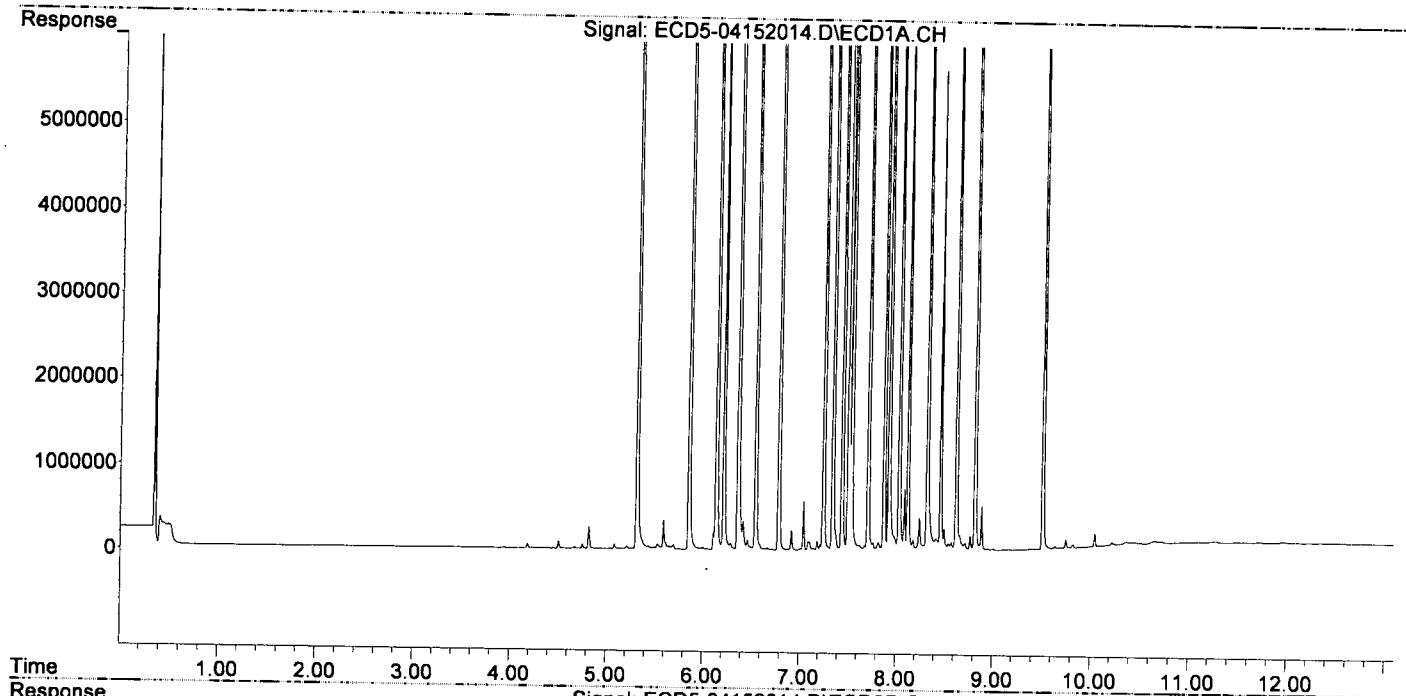
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.317 | 5.915 | 18210194 | 29559538 | 94.258 | 103.410 |
| 22) S DCBP (S) | 9.514 | 10.467 | 15431881 | 18735423 | 103.594 | 110.319 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.857 | 6.523 | 26803298 | 45099450 | 101.842 | 111.301 |
| 3) g-BHC | 6.139 | 6.842 | 22356987 | 38868950 | 97.737 | 109.872 |
| 4) b-BHC | 6.215 | 6.906 | 9211947 | 15053344 | 96.289 | 100.333 |
| 5) Heptachlor | 6.548 | 7.215 | 20481156 | 32631633 | 91.933 | 97.365 |
| 6) d-BHC | 6.364 | 7.161 | 20683831 | 35571978 | 106.003 | 108.932 |
| 7) Aldrin | 6.788 | 7.480 | 23033690 | 36514820 | 103.744 | 112.051 |
| 8) Heptachlo... | 7.250 | 7.919 | 20303334 | 32237932 | 99.065 | 108.309 |
| 9) trans-Chl... | 7.345 | 8.059 | 21008995 | 33181801 | 100.781 | 109.529 |
| 10) cis-Chlor... | 7.442 | 8.168 | 20561948 | 31266508 | 100.407 | 107.751 |
| 11) Endosulfa... | 7.540 | 8.217 | 18914306 | 30437022 | 97.830 | 112.018 |
| 12) 4,4'-DDE | 7.505 | 8.276 | 20725533 | 31620469 | 105.147 | 110.429 |
| 13) Dieldrin | 7.711 | 8.418 | 21820967 | 34294497 | 102.706 | 115.271 |
| 14) Endrin | 7.876 | 8.645 | 14922438 | 22163455 | 87.301 | 96.791 |
| 15) 4,4'-DDD | 7.926 | 8.691 | 16806854 | 26983756 | 102.838 | 112.145 |
| 16) Endosulfa... | 8.032 | 8.793 | 16363701 | 25269591 | 97.667 | 105.334 |
| 17) 4,4'-DDT | 8.123 | 8.918 | 11208541 | 16090232 | 80.562 | 80.089 |
| 18) Endrin Al... | 8.323 | 9.030 | 14066579 | 21391732 | 96.101 | 102.843 |
| 19) Endosulfa... | 8.624 | 9.221 | 15699136 | 22978260 | 95.473 | 100.917 |
| 20) Methoxychlor | 8.460 | 9.397 | 5571401 | 7794949 | 79.459 | 79.133 |
| 21) Endrin Ke... | 8.817 | 9.620 | 18017754 | 25179128 | 94.349 | 100.991 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.696 | 0.000 | 54203 | 0 | 0.023 | N.D. |
| 25) Oxychlordane | 7.186 | 7.845 | 102430 | 39917 | 0.350 | BelowCal # |
| 26) 2,4'-DDE | 7.250 | 8.059 | 20303334 | 33181801 | 159.959 | 157.403 # |
| 27) trans-Non... | 7.442 | 8.115 | 20561948 | 112646 | 107.801 | 0.175 # |
| 28) 2,4'-DDD | 7.623 | 8.418 | 54574 | 34294497 | 0.234 | 182.683 # |
| 29) 2,4'-DDT | 7.821 | 8.645 | 85826 | 22163455 | 0.663 | 125.582 # |
| 30) cis-Nonac... | 7.926f | 8.691 | 16806854 | 26983756 | 81.409 | 85.834 # |
| 31) Mirex | 8.572 | 9.620 | 89350 | 25179128 | 0.281 | 135.605 # |
| 32) Chlordane... | 7.345 | 8.059 | 21008995 | 33181801 | 900.046 | 842.089 # |
| 33) Chlordane... | 7.442 | 8.168 | 20561948 | 31266508 | 774.393 | 954.739 # |
| 34) Chlordane... | 8.032f | 8.871f | 16363701 | 183064 | 2250.959 | 17.889 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.442 | 8.418 | 20561948 | 34294497 | 19786.494 | 12194.089 # |
| 37) Toxaphene... | 7.763 | 8.793 | 87067 | 25269591 | 43.979 | 7070.145 # |
| 38) Toxaphene... | 8.088f | 8.793f | 709422 | 25269591 | 174.025 | 4525.744 # |
| 39) Toxaphene... | 8.323 | 8.871 | 14066579 | 183064 | 3580.984 | 18.126 # |
| 40) Toxaphene... | 8.541 | 9.030f | 73127 | 21391732 | 23.839 | 4328.843 # |
| 41) Toxaphene... | 8.624f | 9.466f | 15699136 | 82920 | 3919.201 | 15.343 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 15:44
Operator : MJB
Sample : 0D15038-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 16:01
 Operator : MJB
 Sample : 0D15038-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

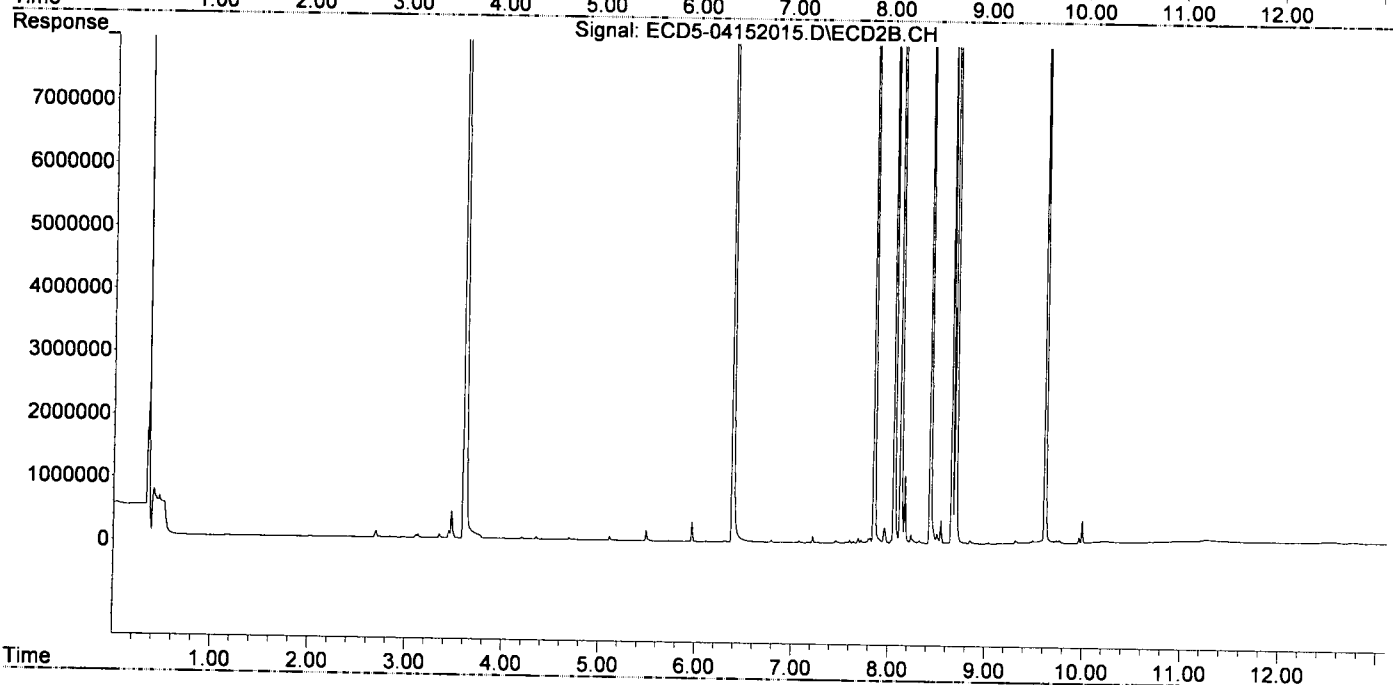
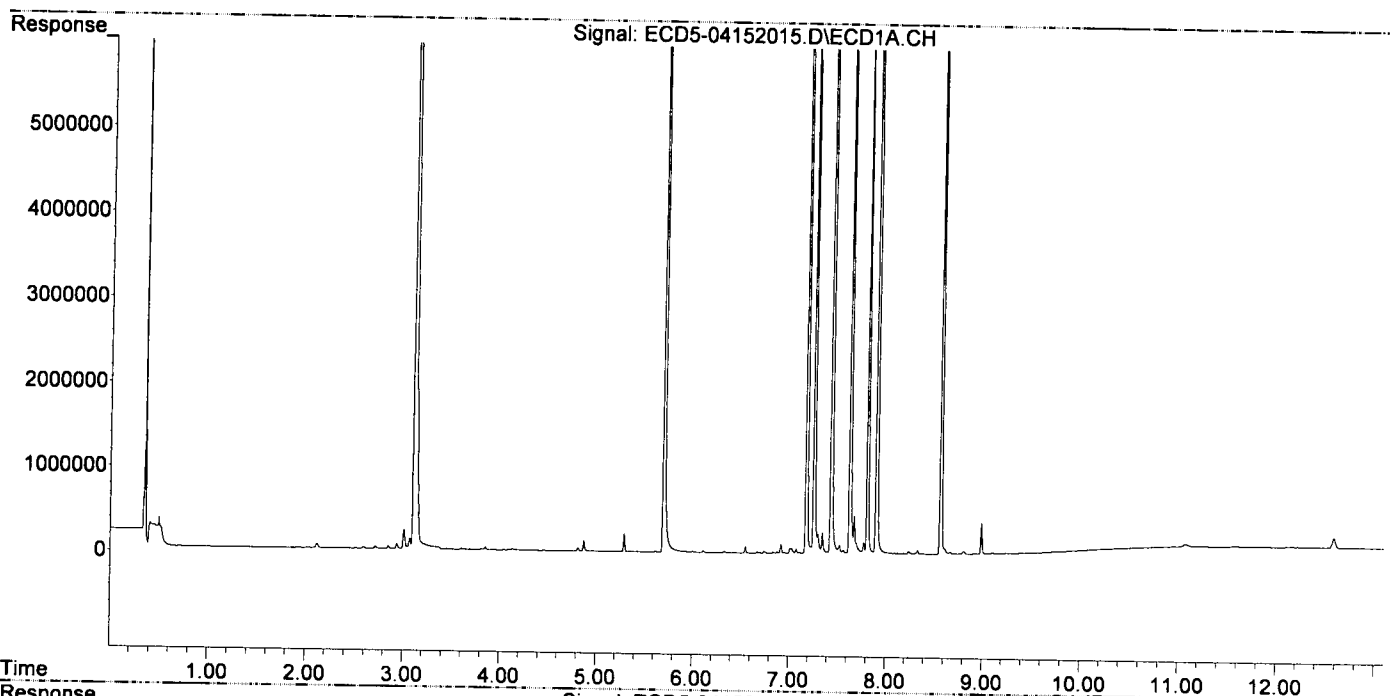
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|---------------|-------------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290f | 5.923 | 210383 | 6124 | 1.089 | 0.021 # |
| 22) S DCBP (S) | 9.516 | 10.468 | 3503 | 7408 | BelowCal | 0.044 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.111f | 0.000 | 25613 | 0 | 0.112 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.548 | 7.214 | 75044 | 105702 | 0.337 | 0.315 |
| 6) d-BHC | 6.366 | 7.162 | 6792 | 15113 | 0.035 | 0.046 # |
| 7) Aldrin | 0.000 | 7.452f | 0 | 44476 | N.D. | 0.136 # |
| 8) Heptachlo... | 7.254 | 7.900f | 12303255 | 72538 | 60.031 | 0.244 # |
| 9) trans-Chl... | 7.344 | 8.054 | 245392 | 19686670 | 1.177 | 64.983 # |
| 10) cis-Chlor... | 7.433 | 8.166 | 18744060 | 1054975 | 91.530 | 3.636 # |
| 11) Endosulfa... | 7.522 | 8.230 | 105869 | 127796 | 0.548 | 0.470 |
| 12) 4,4'-DDE | 7.522 | 8.251f | 105869 | 50156 | 0.537 | 0.175 # |
| 13) Dieldrin | 7.674f | 8.428 | 442639 | 17409532 | 2.083 | 58.517 # |
| 14) Endrin | 7.904f | 8.652 | 20419898 | 12238616 | 119.463 | 53.448 # |
| 15) 4,4'-DDD | 7.904f | 8.690 | 20419898 | 31690669 | 124.945 | 131.707 |
| 16) Endosulfa... | 0.000 | 8.793 | 0 | 14784 | N.D. | 0.062 # |
| 17) 4,4'-DDT | 8.124 | 8.900 | 10825 | 5568 | 0.071 | 0.089 |
| 18) Endrin Al... | 8.331 | 9.032 | 46006 | 20146 | 0.314 | 0.097 # |
| 19) Endosulfa... | 0.000 | 9.221 | 0 | 15355 | N.D. | 0.067 # |
| 20) Methoxychlor | 0.000 | 9.387 | 0 | 19833 | N.D. | 0.154 # |
| 21) Endrin Ke... | 8.807 | 9.611 | 31819 | 16986224 | 0.167 | 68.130 # |
| 23) Hexachlor... | 3.115 | 3.603 | 18380573 | 37584750 | 98.652 | 100.420 |
| 24) Hexachlor... | 5.699 | 6.383 | 17949873 | 28635059 | 97.788 | 96.047 |
| 25) Oxychlorane | 7.178 | 7.848 | 16837951 | 25679426 | 99.183 | 96.477 |
| 26) 2,4'-DDE | 7.254 | 8.054 | 12303255 | 19686670 | 98.786 | 98.525 |
| 27) trans-Non... | 7.433 | 8.123 | 18744060 | 29484682 | 98.375 | 98.663 |
| 28) 2,4'-DDD | 7.627 | 8.428 | 10908887 | 17409532 | 100.242 | 99.089 |
| 29) 2,4'-DDT | 7.809 | 8.652 | 8142749 | 12238616 | <u>75.897</u> | <u>75.681</u> Q-2 |
| 30) cis-Nonac... | 7.904 | 8.690 | 20419898 | 31690669 | 98.554 | 99.526 |
| 31) Mirex | 8.568 | 9.611 | 12037086 | 16986224 | 93.058 | 93.914 |
| 32) Chlordane... | 7.344 | 8.054f | 245392 | 19686670 | 10.513 | 499.609 # |
| 33) Chlordane... | 7.433f | 8.166 | 18744060 | 1054975 | 705.929 | 32.214 # |
| 34) Chlordane... | 0.000 | 8.839 | 0 | 47383 | N.D. | 4.630 # |
| 35) Chlordane... | 3.640f | 0.000 | 4781 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.433f | 8.428 | 18744060 | 17409532 | 18037.164 | 6190.305 # |
| 37) Toxaphene... | 7.773f | 8.793 | 133623 | 14784 | 68.904 | 4.136 # |
| 38) Toxaphene... | 8.094f | 8.793f | 11853 | 14784 | 2.908 | 2.648 |
| 39) Toxaphene... | 8.331f | 8.874 | 46006 | 10077 | 11.712 | BelowCal # |
| 40) Toxaphene... | 8.568f | 9.032f | 12037086 | 20146 | 3924.092 | 4.077 # |
| 41) Toxaphene... | 8.568f | 0.000 | 12037086 | 0 | 3004.991 | N.D. # |
| 42) Toxaphene... | 3.640f | 0.000 | 4781 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 16:01
Operator : MJB
Sample : 0D15038-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 16:18
 Operator : MJB
 Sample : 0D15038-CCB2
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 16:36:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

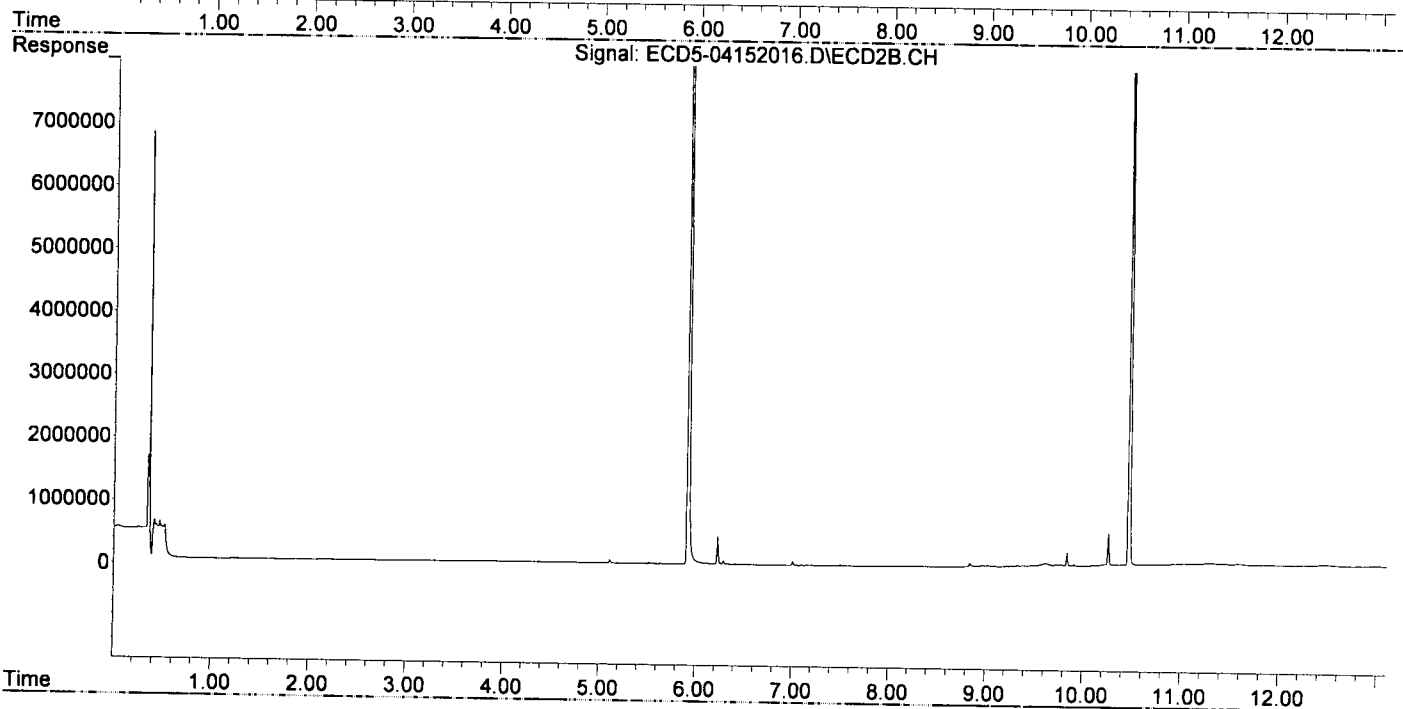
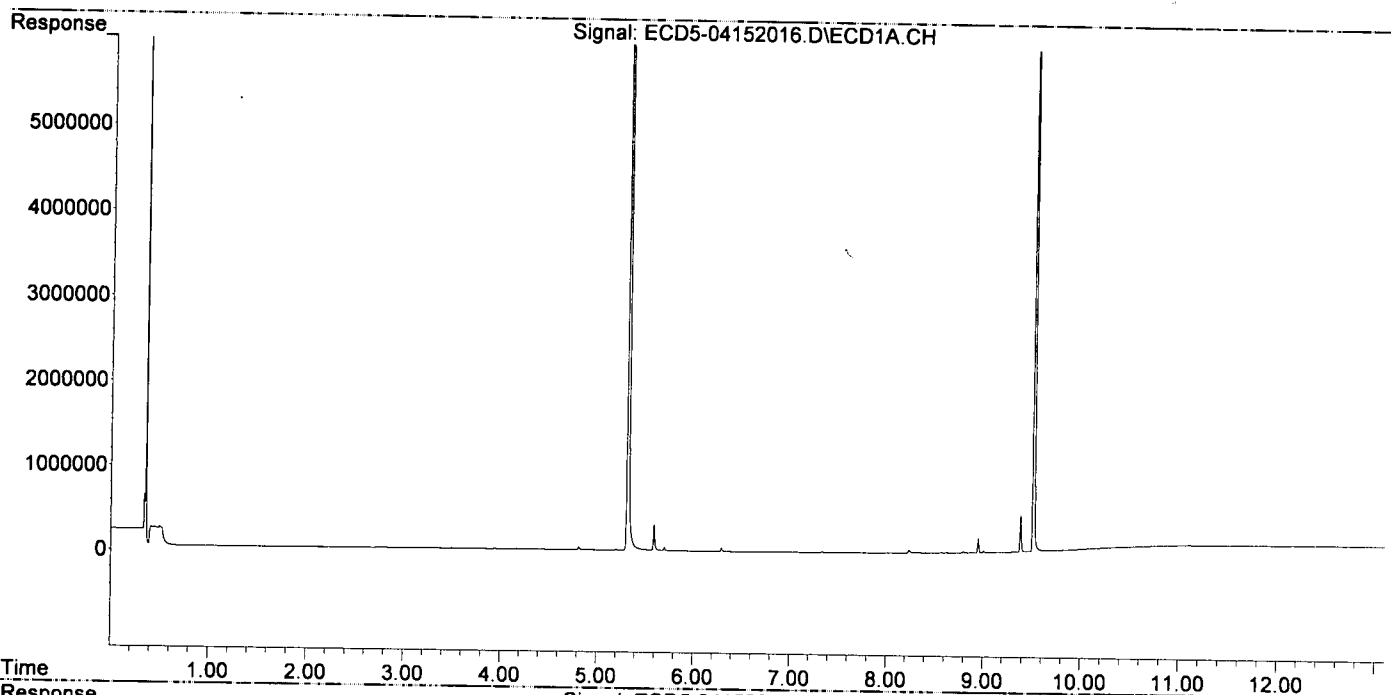
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.318 | 5.915 | 17360413 | 27539865 | 89.860 | 96.344 |
| 22) S DCBP (S) | 9.515 | 10.467 | 13203653 | 15913228 | 88.634 | 93.702 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.163 | 0 | 4740 | N.D. | 0.015 # |
| 7) Aldrin | 0.000 | 7.499 | 0 | 16477 | N.D. | 0.051 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.334 | 8.078 | 11558 | 5185 | 0.055 | 0.017 # |
| 10) cis-Chlor... | 7.446 | 0.000 | 3894 | 0 | 0.019 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.691f | 0.000 | 2891 | 0 | 0.014 | N.D. # |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.035 | 0.000 | 3028 | 0 | 0.018 | N.D. # |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.324 | 9.031 | 9551 | 7333 | 0.065 | 0.035 # |
| 19) Endosulfa... | 8.626 | 9.221 | 6532 | 8409 | 0.040 | 0.037 |
| 20) Methoxychlor | 8.464 | 9.383 | 2551 | 10790 | BelowCal | 0.046 |
| 21) Endrin Ke... | 8.795f | 9.617 | 18139 | 47025 | 0.095 | 0.189 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.699 | 0.000 | 38367 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.078f | 0 | 5185 | N.D. | BelowCal |
| 27) trans-Non... | 7.446 | 0.000 | 3894 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 8.571 | 9.617 | 5336 | 47025 | 5765.316 | BelowCal # |
| 32) Chlordane... | 7.334f | 8.078 | 11558 | 5185 | 0.495 | 0.132 # |
| 33) Chlordane... | 7.446 | 0.000 | 3894 | 0 | 0.147 | N.D. # |
| 34) Chlordane... | 8.035f | 8.838 | 3028 | 50504 | 0.417 | 4.935 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.446 | 0.000 | 3894 | 0 | 3.747 | N.D. # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.035f | 8.838f | 3028 | 50504 | 0.743 | 9.045 # |
| 39) Toxaphene... | 8.324 | 0.000 | 9551 | 0 | 2.432 | N.D. # |
| 40) Toxaphene... | 8.502f | 9.031f | 1849 | 7333 | 0.603 | 1.484 # |
| 41) Toxaphene... | 8.626f | 9.472f | 6532 | 15699 | 1.631 | 2.905 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 16:18
Operator : MJB
Sample : 0D15038-CCB2
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 16:36:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 19:08
 Operator : MJB
 Sample : A0D0212-02RE1(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 14:47:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 4/16/20

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

System Monitoring Compounds

| | | | | | | | |
|-------|----------|-------|--------|---------|---------|--------|--------|
| 1) S | TCMX (S) | 5.315 | 5.912 | 3845983 | 6604139 | 19.907 | 23.104 |
| 22) S | DCBP (S) | 9.510 | 10.463 | 3111112 | 4036767 | 20.773 | 23.770 |

Target Compounds

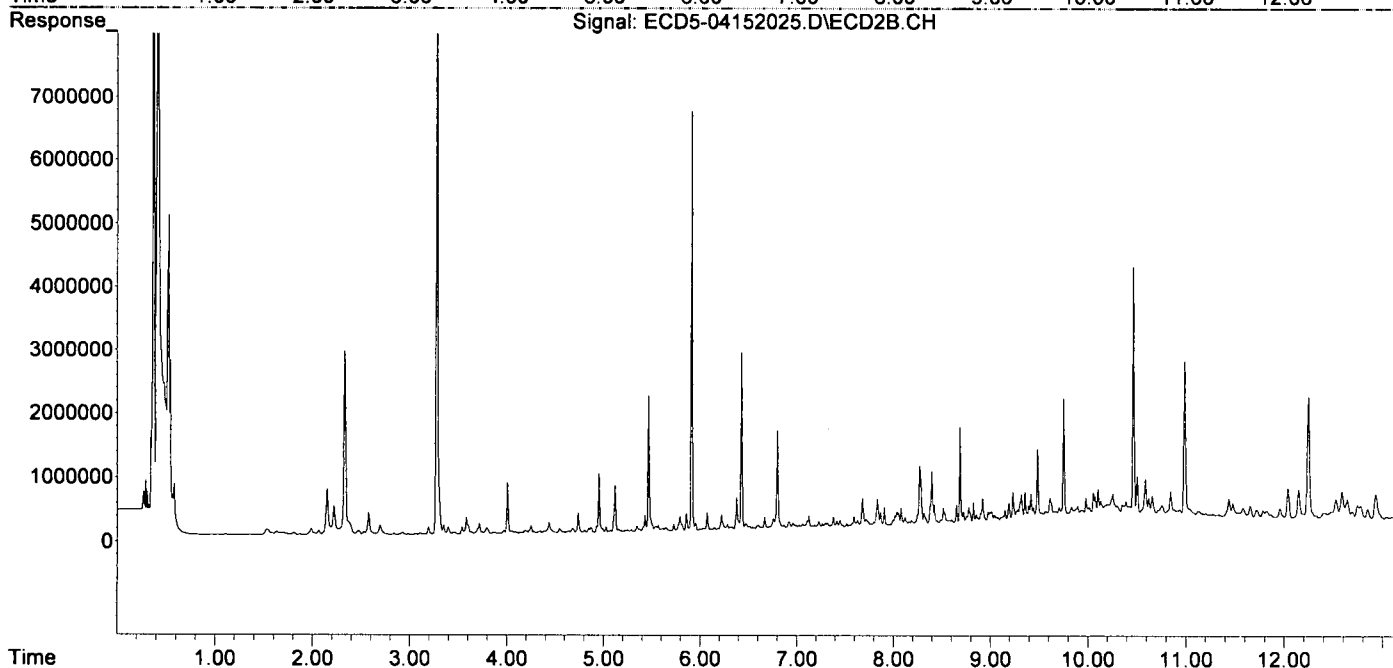
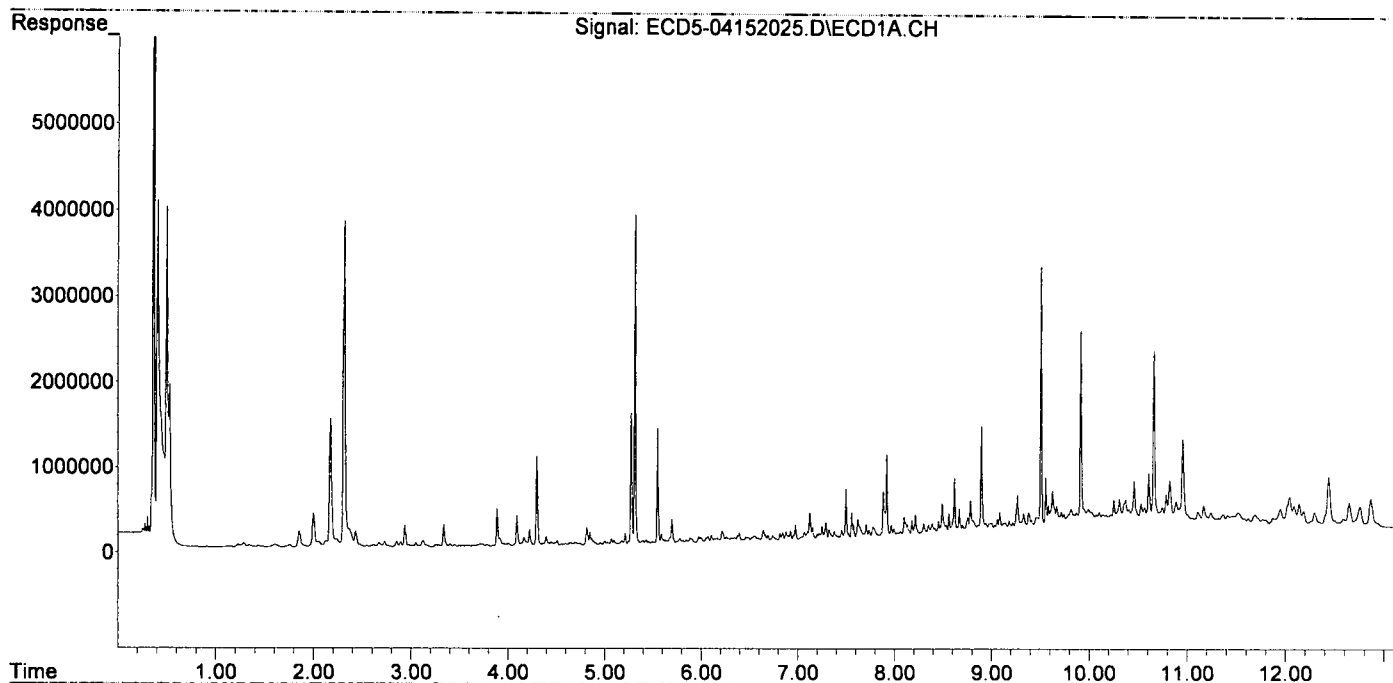
| | | | | | | | |
|-----|--------------|--------|--------|--------|---------|------------|------------------|
| 2) | a-BHC | 5.846 | 6.514 | 37976 | 49789 | 0.144 | 0.123 |
| 3) | g-BHC | 6.139 | 6.869f | 39809 | 55612 | 0.174 | 0.157 |
| 4) | b-BHC | 6.218 | 6.919 | 123415 | 116182 | 1.290 | 0.774 # |
| 5) | Heptachlor | 6.546 | 7.227 | 59876 | 108217 | 0.269 | 0.323 |
| 6) | d-BHC | 6.346f | 7.184f | 49794 | 52733 | 0.255 | 0.161 # |
| 7) | Aldrin | 6.815f | 7.516f | 85691 | 66814 | 0.386 | 0.205 # |
| 8) | Heptachlo... | 7.251 | 7.905 | 161985 | 309773 | 0.790 | 1.041 # |
| 9) | trans-Chl... | 7.324f | 8.049 | 122427 | 230536 | 0.587 | 0.761 # |
| 10) | cis-Chlor... | 7.455 | 8.164 | 106434 | 79799 | 0.520 | 0.275 # |
| 11) | Endosulfa... | 7.558 | 8.186f | 309921 | 100202 | 1.603 | 0.369 # |
| 12) | 4,4'-DDE | 7.499 | 8.272 | 585270 | 945574 | 2.969 | 3.302 |
| 13) | Dieldrin | 7.708 | 8.422 | 173831 | 340133 | 0.818 | 1.143 # |
| 14) | Endrin | 7.886 | 8.651 | 548571 | 322619 | 3.209 | 1.409 # |
| 15) | 4,4'-DDD | 7.921 | 8.687 | 975635 | 1537686 | 5.970 | 6.391 |
| 16) | Endosulfa... | 8.027 | 8.777 | 61240 | 291337 | 0.366 | 1.214 # |
| 17) | 4,4'-DDT | 8.115 | 8.919 | 186563 | 420604 | 1.510m-MRL | 2.649 # 201 |
| 18) | Endrin Al... | 8.303f | 9.041 | 167390 | 155974 | 1.144 | 0.750 # |
| 19) | Endosulfa... | 8.620 | 9.230 | 682058 | 507384 | 4.148 | 2.228 # |
| 20) | Methoxychlor | 8.455 | 9.393 | 188913 | 305865 | 2.763 | 3.569 # |
| 21) | Endrin Ke... | 8.786f | 9.611 | 422653 | 409379 | 2.213 | 1.642 # |
| 23) | Hexachlor... | 3.127 | 3.581f | 70856 | 258119 | 0.111 | 0.498 # |
| 24) | Hexachlor... | 5.697 | 6.379 | 282527 | 501178 | 1.289 | 1.570 |
| 25) | Oxychlorane | 7.201f | 7.834 | 64615 | 436820 | 0.126 | 1.529 # |
| 26) | 2,4'-DDE | 7.251 | 8.049 | 161985 | 230536 | 1.132 | 1.059 - MRL: MRL |
| 27) | trans-Non... | 7.455 | 8.119 | 106434 | 147608 | 0.309 | 0.304 |
| 28) | 2,4'-DDD | 7.622 | 8.422 | 236001 | 340133 | 1.947m | 1.835 - MRL: MRL |
| 29) | 2,4'-DDT | 7.797 | 8.651 | 103411 | 322619 | 0.840m | 2.129 # Q-14 |
| 30) | cis-Nonac... | 7.921 | 8.687 | 975635 | 1537686 | 4.597 | 5.103 |
| 31) | Mirex | 8.562 | 9.611 | 277995 | 409379 | 1.723 | 1.976 |
| 32) | Chlordane... | 7.378 | 8.079 | 95450 | 299613 | 4.089 | 7.604 # |
| 33) | Chlordane... | 7.455 | 8.186 | 106434 | 100202 | 4.008 | 3.060 |
| 34) | Chlordane... | 7.994 | 8.853 | 109706 | 178898 | 15.091 | 17.482 |
| 35) | Chlordane... | 3.688f | 3.637 | 19330 | 27825 | NoCal | NoCal |
| 36) | Toxaphene... | 7.455 | 8.422 | 106434 | 340133 | 102.420 | 120.941 |
| 37) | Toxaphene... | 7.738 | 8.777 | 101916 | 291337 | 51.921 | 81.513 # |
| 38) | Toxaphene... | 8.062 | 8.825 | 81451 | 359048 | 19.980 | 64.305 # |
| 39) | Toxaphene... | 8.303 | 8.870 | 167390 | 118023 | 42.613 | 10.148 # |
| 40) | Toxaphene... | 8.562f | 9.060 | 277995 | 124893 | 90.626 | 25.273 # |
| 41) | Toxaphene... | 8.620f | 9.440 | 682058 | 268339 | 170.272 | 49.651 # |
| 42) | Toxaphene... | 3.642f | 3.637 | 14279 | 27825 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : A0D0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 14:47:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

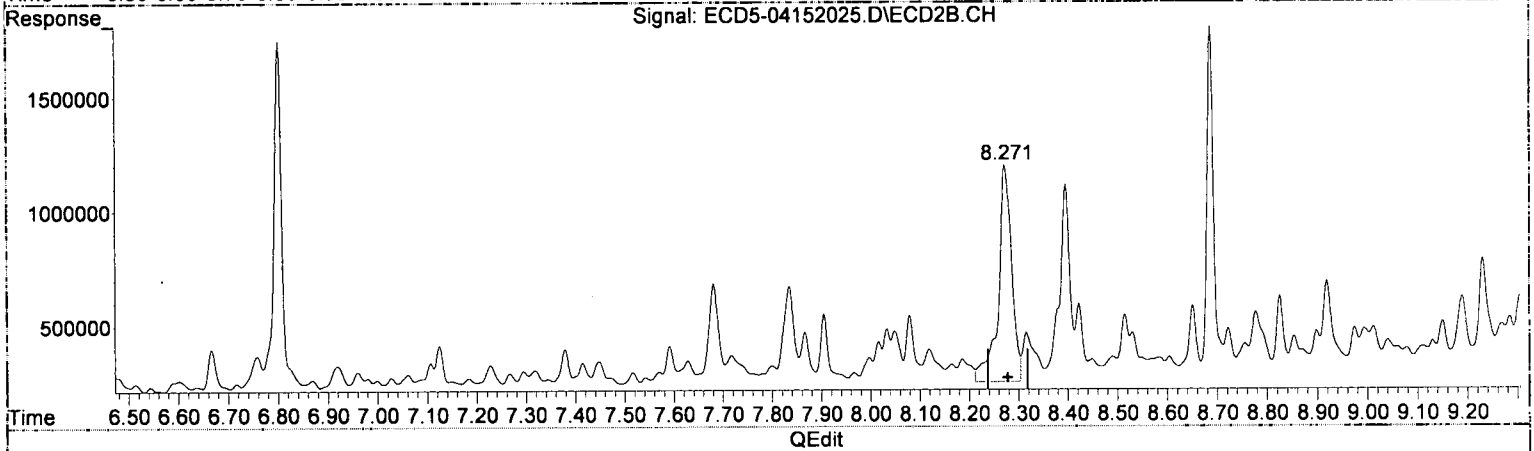
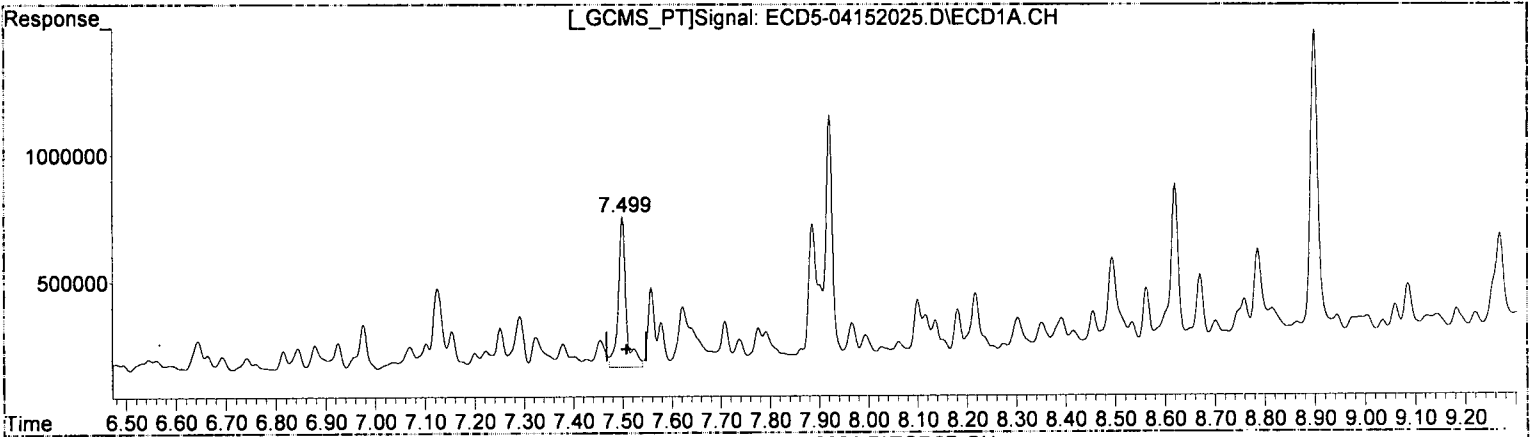


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : AOD0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.499min 2.969 ng/mL
response 585270

MJB
4/16/20

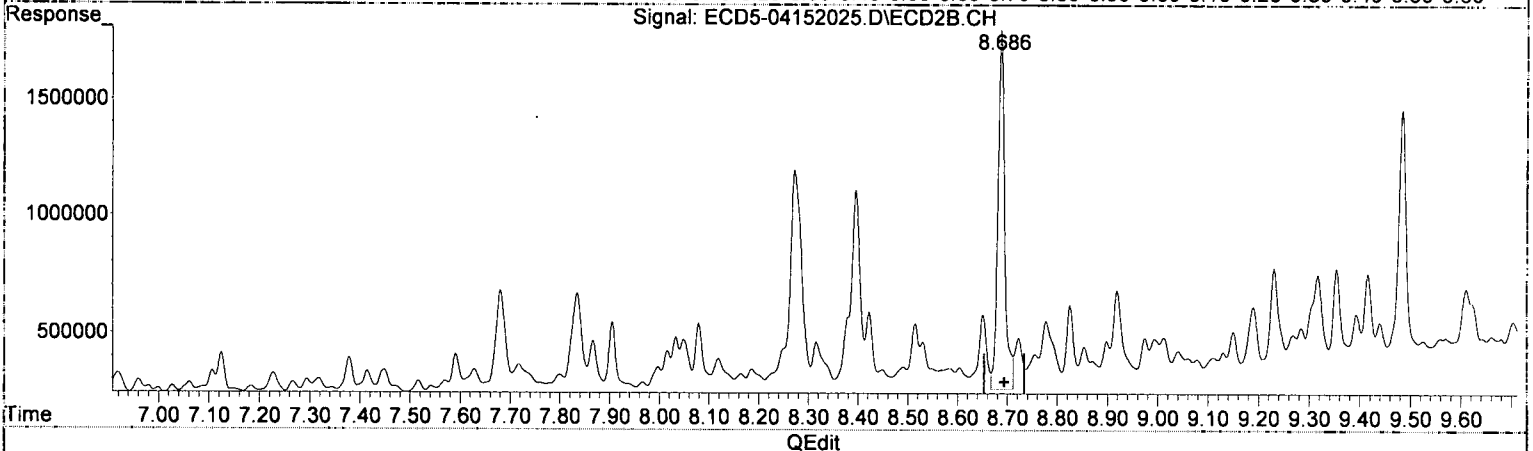
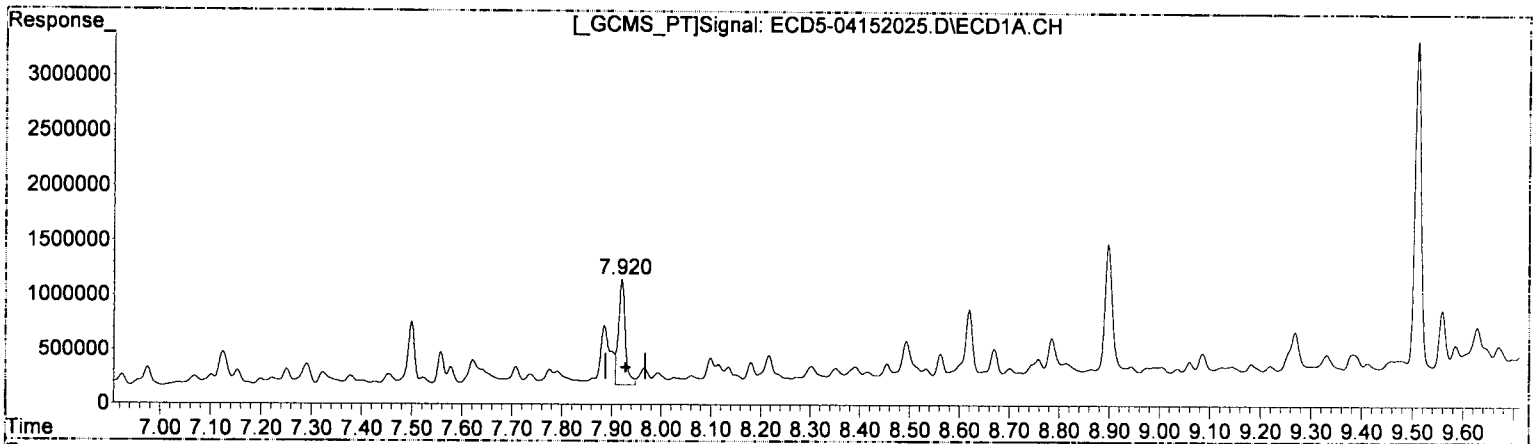
(12) 4,4'-DDE #2
8.272min 3.302 ng/mL
response 945574

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : A0D0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.921min 5.970 ng/mL
response 975635

*MJB
4/16/20*

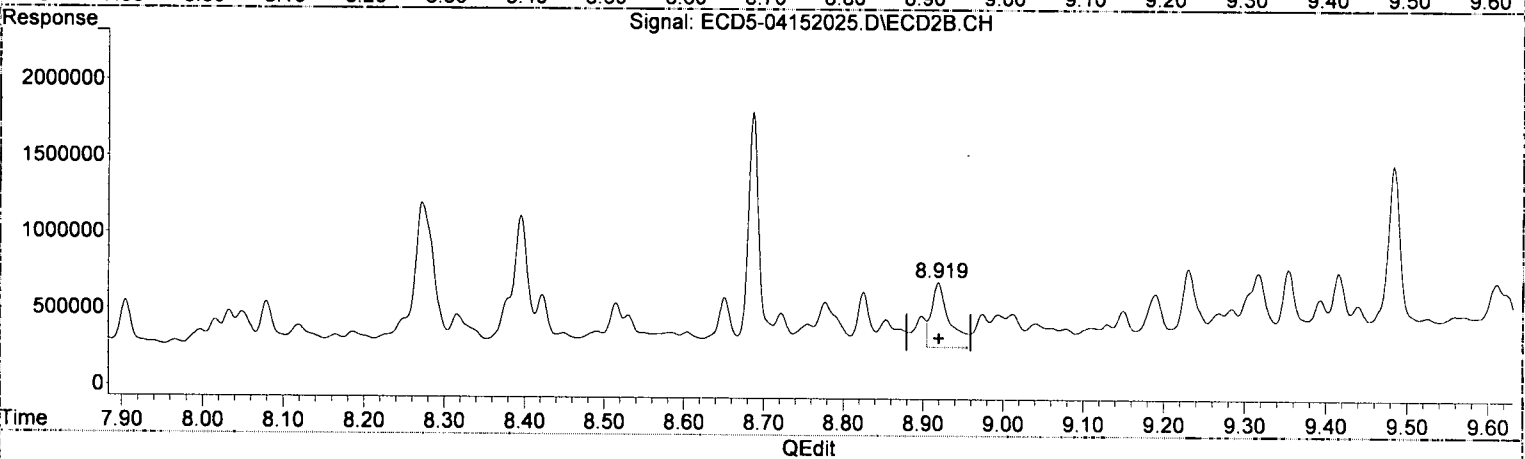
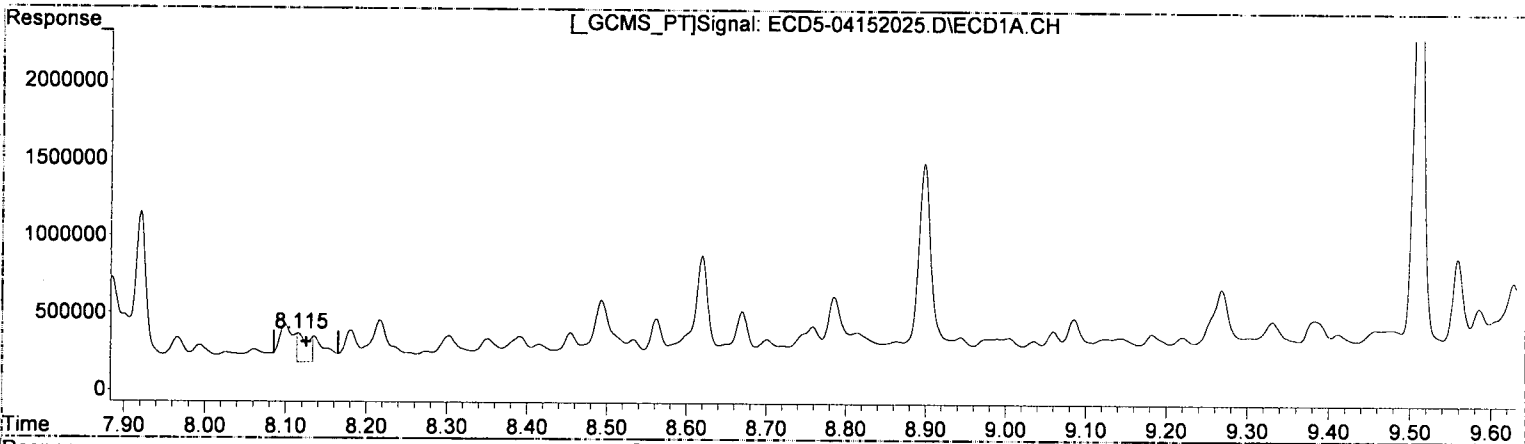
(15) 4,4'-DDD #2
8.687min 6.391 ng/mL
response 1537686

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 19:08
 Operator : MJB
 Sample : A0D0212-02RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 11:25:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT

8.115min 1.510 ng/mL

response 186563

MDC-MRL

MJB

4/16/20

(17) 4,4'-DDT #2

8.919min 2.649 ng/mL

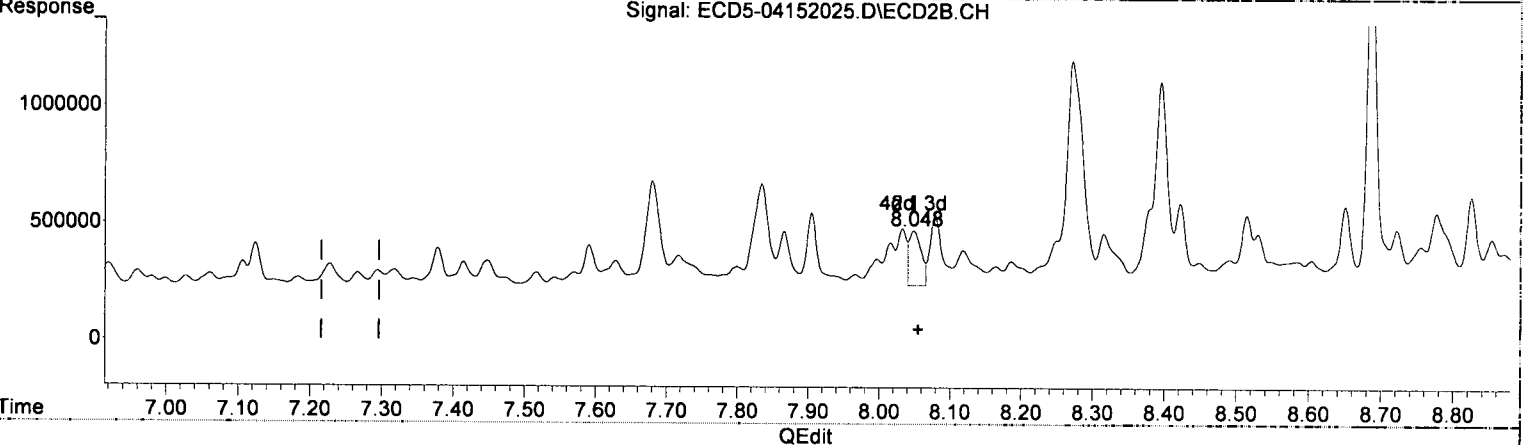
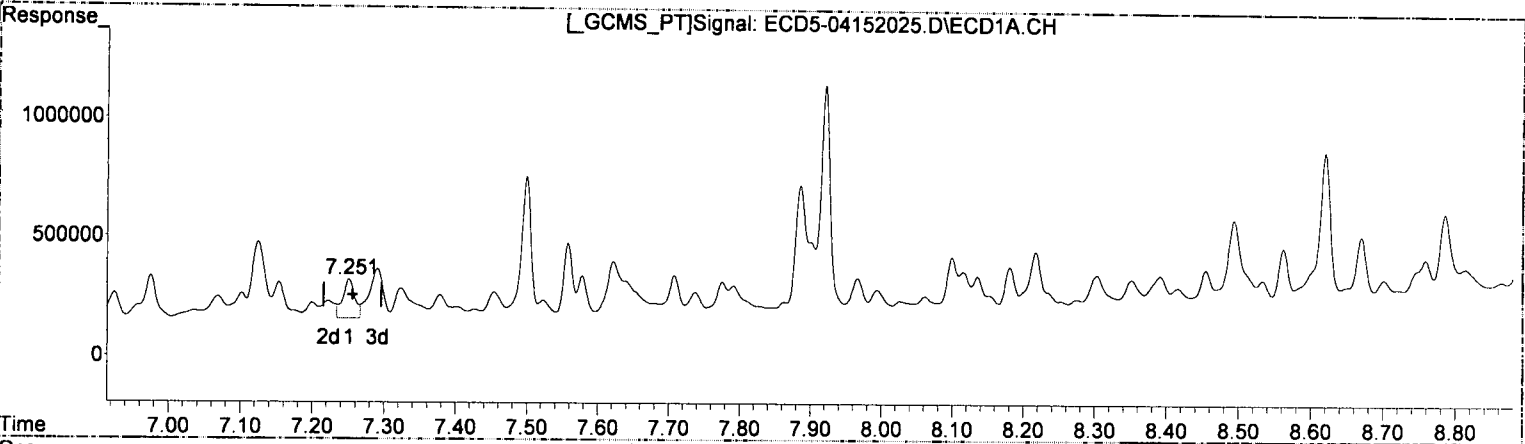
response 420604

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : A0D0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(26) 2,4'-DDE
7.251min 1.132 ng/mL
response 161985

MJB
4/16/20

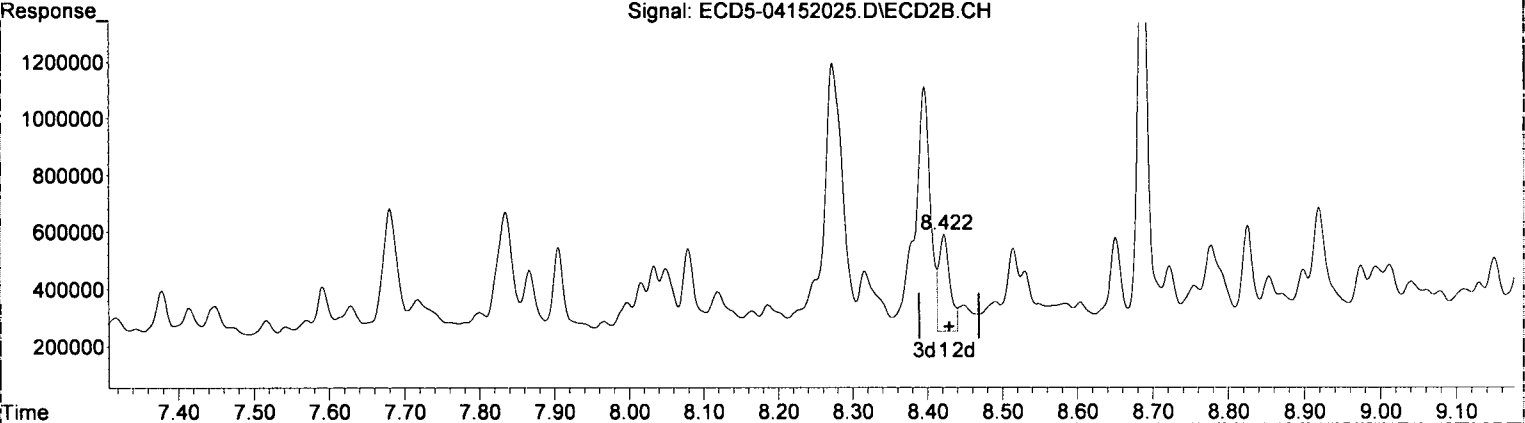
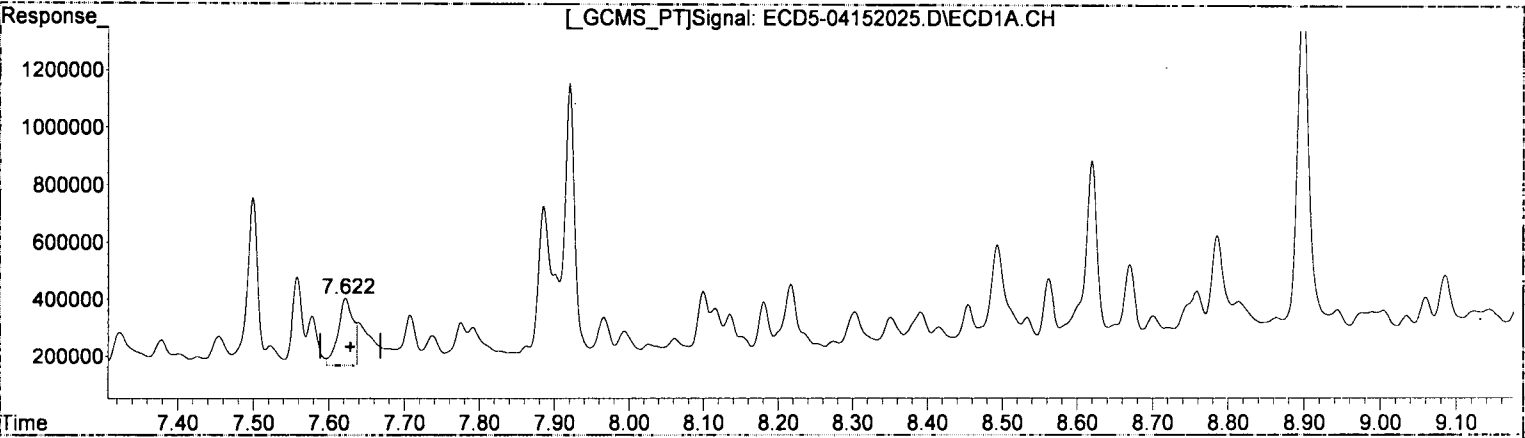
(26) 2,4'-DDE #2
8.049min 1.059 ng/mL MDC MRL
response 230536

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : A0D0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(28) 2,4'-DDD
7.622min 1.947 ng/mL (+)
response 236001

*MJB
4/16/20*

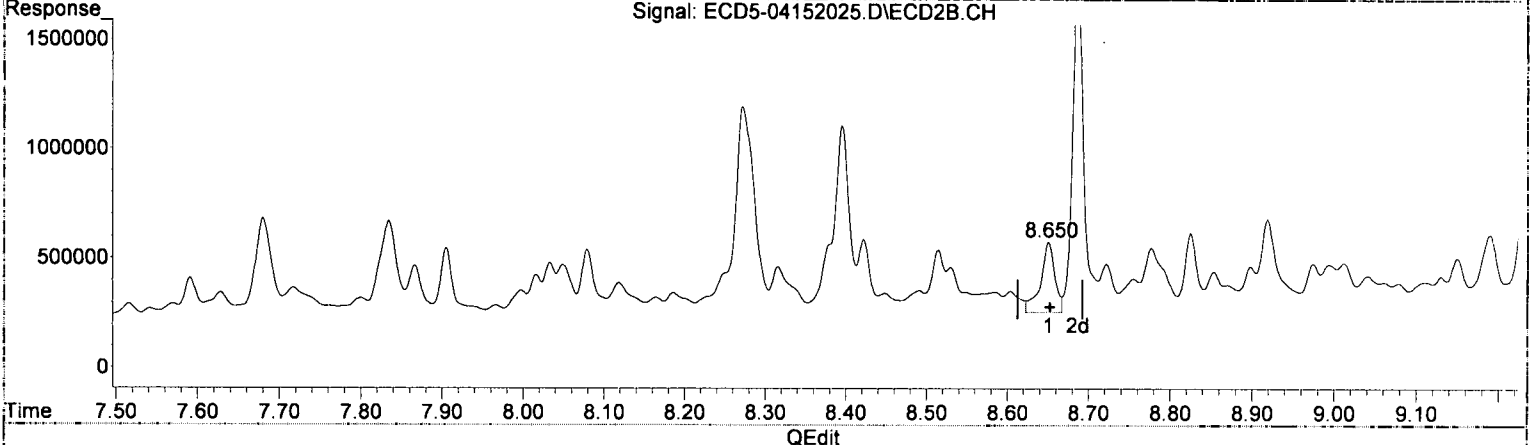
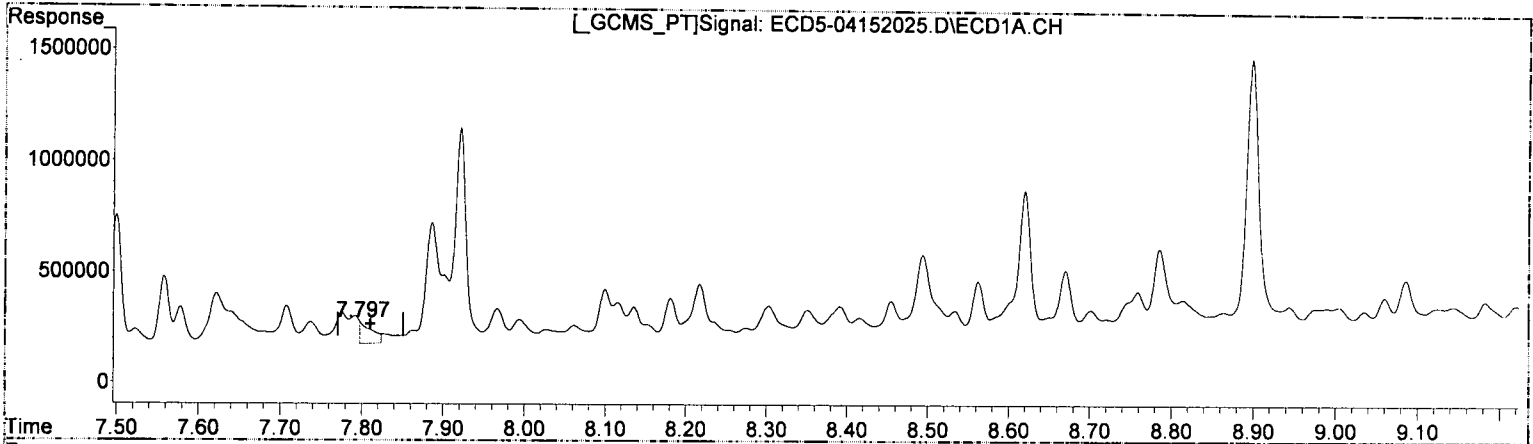
(28) 2,4'-DDD #2
8.422min 1.835 ng/mL (+) *MJC-MJC*
response 340133

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : A0D0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.797min 0.840 ng/mL (m)
response 103411

Q-14

MJB
4/16/20

(29) 2,4'-DDT #2
8.651min 2.129 ng/mL
response 322619

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 19:08
 Operator : MJB
 Sample : AOD0212-02RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 11:25:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJ
MJB
4/16/20

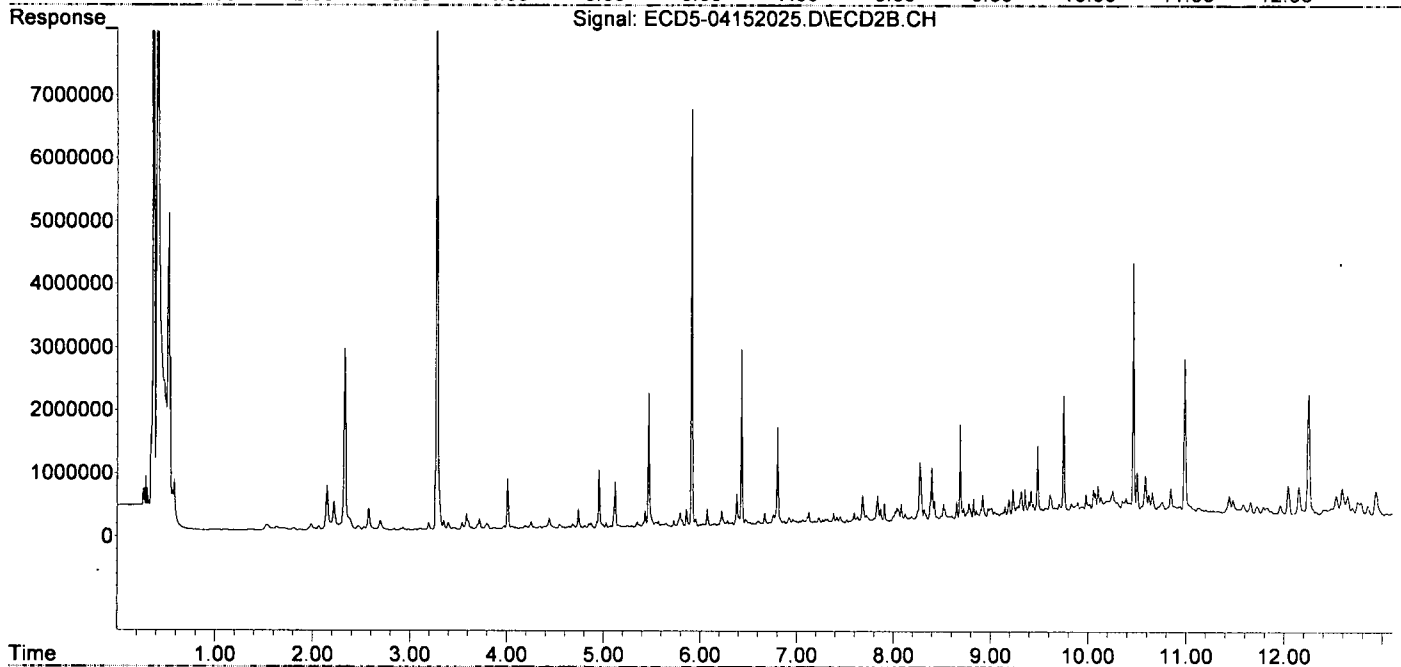
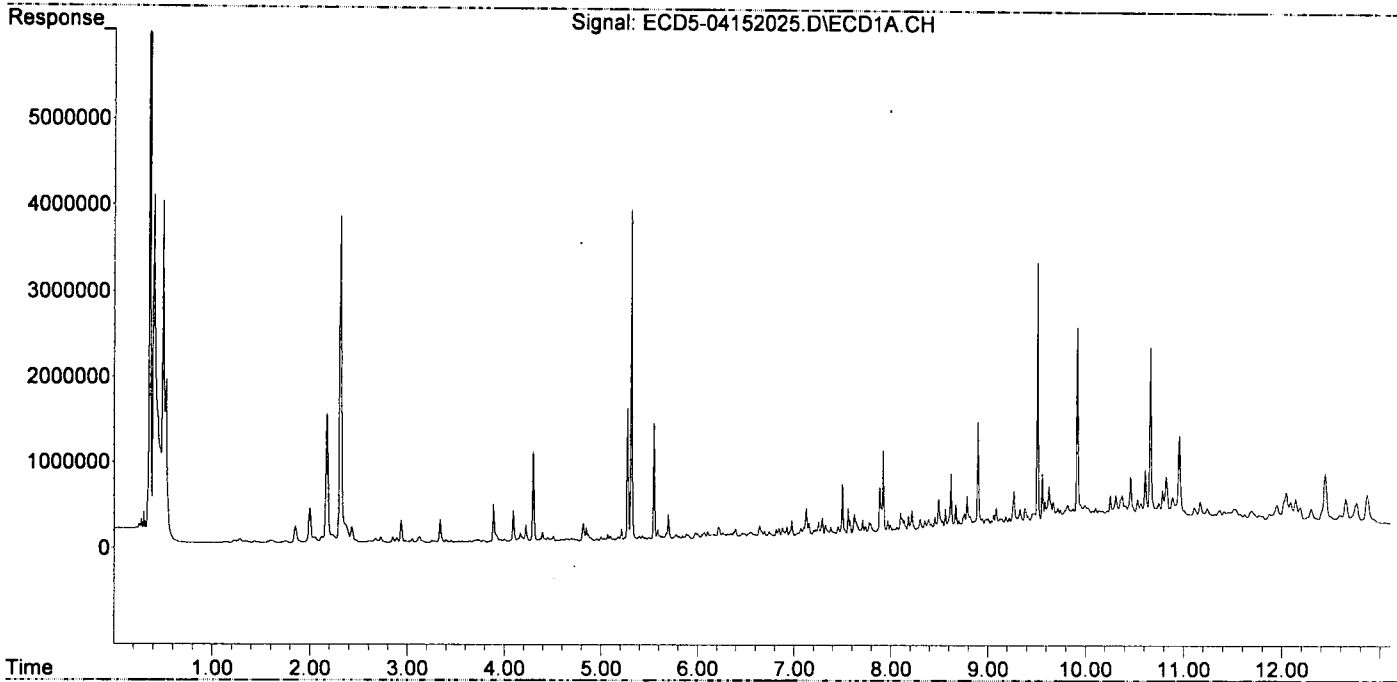
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|---------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.315 | 5.912 | 3845983 | 6604139 | 19.907 | 23.104 |
| 22) S DCBP (S) | 9.510 | 10.463 | 3111112 | 4036767 | 20.773 | 23.770 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.846 | 6.514 | 37976 | 49789 | 0.144 | 0.123 |
| 3) g-BHC | 6.139 | 6.869f | 39809 | 55612 | 0.174 | 0.157 |
| 4) b-BHC | 6.218 | 6.919 | 123415 | 116182 | 1.290 | 0.774 # |
| 5) Heptachlor | 6.546 | 7.227 | 59876 | 108217 | 0.269 | 0.323 |
| 6) d-BHC | 6.346f | 7.184f | 49794 | 52733 | 0.255 | 0.161 # |
| 7) Aldrin | 6.815f | 7.516f | 85691 | 66814 | 0.386 | 0.205 # |
| 8) Heptachlo... | 7.251 | 7.905 | 161985 | 309773 | 0.790 | 1.041 # |
| 9) trans-Chl... | 7.324f | 8.049 | 122427 | 230536 | 0.587 | 0.761 # |
| 10) cis-Chlor... | 7.455 | 8.164 | 106434 | 79799 | 0.520 | 0.275 # |
| 11) Endosulfa... | 7.558 | 8.186f | 309921 | 100202 | 1.603 | 0.369 # |
| 12) 4,4'-DDE | 7.499 | 8.272 | 585270 | 945574 | 2.969 | 3.302 |
| 13) Dieldrin | 7.708 | 8.422 | 173831 | 340133 | 0.818 | 1.143 # |
| 14) Endrin | 7.886 | 8.651 | 548571 | 322619 | 3.209 | 1.409 # |
| 15) 4,4'-DDD | 7.921 | 8.687 | 975635 | 1537686 | 5.970 | 6.391 |
| 16) Endosulfa... | 8.027 | 8.777 | 61240 | 291337 | 0.366 | 1.214 # |
| 17) 4,4'-DDT | 8.100f | 8.919 | 240743 | 420604 | 1.952 | 2.649 # |
| 18) Endrin Al... | 8.303f | 9.041 | 167390 | 155974 | 1.144 | 0.750 # |
| 19) Endosulfa... | 8.620 | 9.230 | 682058 | 507384 | 4.148 | 2.228 # |
| 20) Methoxychlor | 8.455 | 9.393 | 188913 | 305865 | 2.763 | 3.569 # |
| 21) Endrin Ke... | 8.786f | 9.611 | 422653 | 409379 | 2.213 | 1.642 # |
| 23) Hexachlor... | 3.127 | 3.581f | 70856 | 258119 | 0.111 | 0.498 # |
| 24) Hexachlor... | 5.697 | 6.379 | 282527 | 501178 | 1.289 | 1.570 |
| 25) Oxychlordane | 7.201f | 7.834 | 64615 | 436820 | 0.126 | 1.529 # |
| 26) 2,4'-DDE | 7.251 | 8.049 | 161985 | 230536 | 1.132 | 1.059 |
| 27) trans-Non... | 7.455 | 8.119 | 106434 | 147608 | 0.309 | 0.304 |
| 28) 2,4'-DDD | 7.622 | 8.422 | 233650 | 340133 | 1.925 | 1.835 |
| 29) 2,4'-DDT | 7.776f | 8.651 | 145216 | 322619 | 1.261 | 2.129 # |
| 30) cis-Nonac... | 7.921 | 8.687 | 975635 | 1537686 | 4.597 | 5.103 |
| 31) Mirex | 8.562 | 9.611 | 277995 | 409379 | 1.723 | 1.976 |
| 32) Chlordane... | 7.378 | 8.079 | 95450 | 299613 | 4.089 | 7.604 # |
| 33) Chlordane... | 7.455 | 8.186 | 106434 | 100202 | 4.008 | 3.060 |
| 34) Chlordane... | 7.994 | 8.853 | 109706 | 178898 | 15.091 | 17.482 |
| 35) Chlordane... | 3.688f | 3.637 | 19330 | 27825 | NoCal | NoCal |
| 36) Toxaphene... | 7.455 | 8.422 | 106434 | 340133 | 102.420 | 120.941 |
| 37) Toxaphene... | 7.738 | 8.777 | 101916 | 291337 | 51.921 | 81.513 # |
| 38) Toxaphene... | 8.062 | 8.825 | 81451 | 359048 | 19.980 | 64.305 # |
| 39) Toxaphene... | 8.303 | 8.870 | 167390 | 118023 | 42.613 | 10.148 # |
| 40) Toxaphene... | 8.562f | 9.060 | 277995 | 124893 | 90.626 | 25.273 # |
| 41) Toxaphene... | 8.620f | 9.440 | 682058 | 268339 | 170.272 | 49.651 # |
| 42) Toxaphene... | 3.642f | 3.637 | 14279 | 27825 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:08
Operator : MJB
Sample : AOD0212-02RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 19:46
 Operator : MJB
 Sample : 0D15038-CCV5
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 11:25:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/16/20

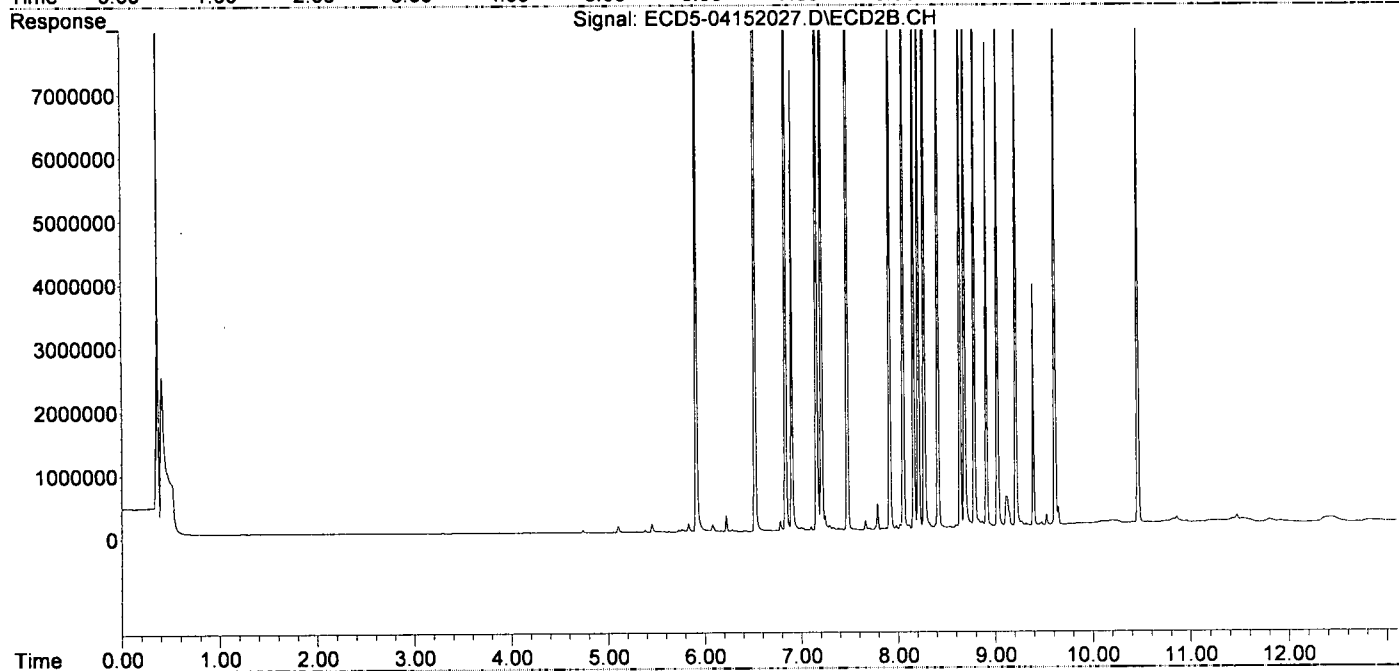
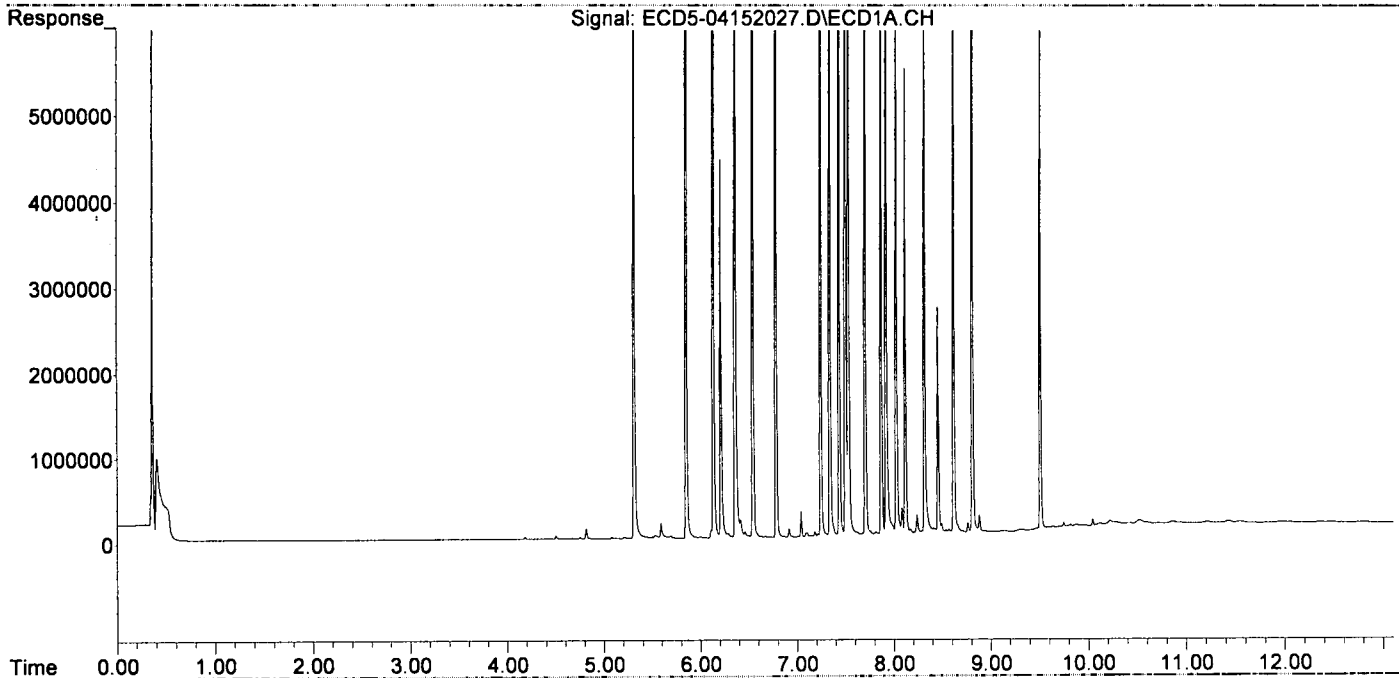
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.315 | 5.912 | 9159716 | 13904807 | 47.412 | 48.644 |
| 2) S DCBP (S) | 9.512 | 10.463 | 7646061 | 9193099 | 51.285 | 54.132 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.854 | 6.520 | 13316882 | 21549709 | 50.599 | 53.182 |
| 3) g-BHC | 6.137 | 6.839 | 11164671 | 18268041 | 48.808 | 51.639 |
| 4) b-BHC | 6.213 | 6.903 | 4408964 | 7255716 | 46.085 | 48.361 |
| 5) Heptachlor | 6.545 | 7.212 | 10546847 | 16775853 | 47.341 | 50.055 |
| 6) d-BHC | 6.362 | 7.159 | 9363810 | 16710330 | 47.989 | 51.172 |
| 7) Aldrin | 6.786 | 7.478 | 11579897 | 17712311 | 52.156 | 54.353 |
| 8) Heptachlo... | 7.248 | 7.917 | 10321952 | 15414708 | 50.363 | 51.788 |
| 9) trans-Chl... | 7.342 | 8.057 | 10343032 | 16030706 | 49.616 | 52.916 |
| 10) cis-Chlor... | 7.440 | 8.165 | 10168035 | 15634599 | 49.652 | 53.880 |
| 11) Endosulfa... | 7.537 | 8.214 | 9542765 | 14347954 | 49.358 | 52.805 |
| 12) 4,4'-DDE | 7.504 | 8.273 | 9748428 | 14853236 | 49.457 | 51.873 |
| 13) Dieldrin | 7.709 | 8.415 | 10674666 | 16033737 | 50.243 | 53.893 |
| 14) Endrin | 7.873 | 8.643 | 7798931 | 11095370 | 45.626 | 48.455 |
| 15) 4,4'-DDD | 7.925 | 8.689 | 8017676 | 12924658 | 49.059 | 53.715 |
| 16) Endosulfa... | 8.030 | 8.790 | 8057640 | 12473923 | 48.092 | 51.996 |
| 17) 4,4'-DDT | 8.122 | 8.915 | 5435889 | 7614468 | 41.567 | 41.925 |
| 18) Endrin Al... | 8.321 | 9.027 | 6868008 | 10336661 | 46.921 | 49.695 |
| 19) Endosulfa... | 8.622 | 9.218 | 7806562 | 11264328 | 47.475 | 49.471 |
| 20) Methoxychlor | 8.459 | 9.395 | 2652920 | 3800484 | 39.417 | 41.626 |
| 21) Endrin Ke... | 8.815 | 9.617 | 9104876 | 12413888 | 47.677 | 49.791 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.694 | 6.401 | 27859 | 6553 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.184 | 7.845 | 55190 | 18562 | 0.070 | BelowCal # |
| 26) 2,4'-DDE | 7.248 | 8.057 | 10321952 | 16030706 | 83.266 | 81.508 |
| 27) trans-Non... | 7.440 | 8.113 | 10168035 | 60347 | 53.579 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.415 | 0 | 16033737 | N.D. | 91.797 # |
| 29) 2,4'-DDT | 7.815 | 8.643 | 31870 | 11095370 | 0.119 | 69.403 # |
| 30) cis-Nonac... | 7.925f | 8.689 | 8017676 | 12924658 | 39.114 | 42.787 |
| 31) Mirex | 8.570 | 9.617 | 50672 | 12413888 | 5764.970 | 69.660 # |
| 32) Chlordane... | 7.342f | 8.057 | 10343032 | 16030706 | 443.106 | 406.828 |
| 33) Chlordane... | 7.440 | 8.165 | 10168035 | 15634599 | 382.943 | 477.411 |
| 34) Chlordane... | 8.030f | 8.869f | 8057640 | 90147 | 1108.393 | 8.809 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.440 | 8.415 | 10168035 | 16033737 | 9784.567 | 5701.114 # |
| 37) Toxaphene... | 0.000 | 8.790 | 0 | 12473923 | N.D. | 3490.062 # |
| 38) Toxaphene... | 8.085f | 8.790f | 310897 | 12473923 | 76.265 | 2234.060 # |
| 39) Toxaphene... | 8.321 | 8.869 | 6868008 | 90147 | 1748.416 | 6.727 # |
| 40) Toxaphene... | 8.570f | 9.027f | 50672 | 10336661 | 16.519 | 2091.732 # |
| 41) Toxaphene... | 8.622f | 0.000 | 7806562 | 0 | 1948.865 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 19:46
Operator : MJB
Sample : 0D15038-CCV5
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 20:03
 Operator : MJB
 Sample : OD15038-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 11:25:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/16/20

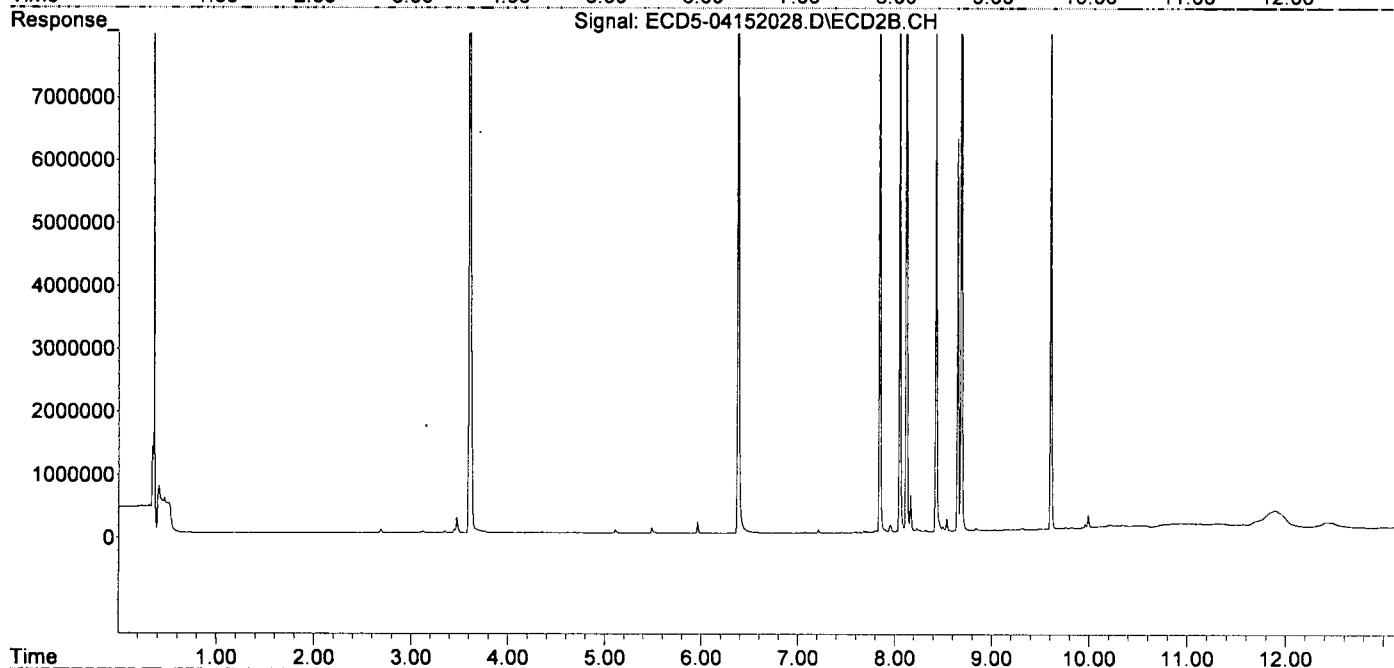
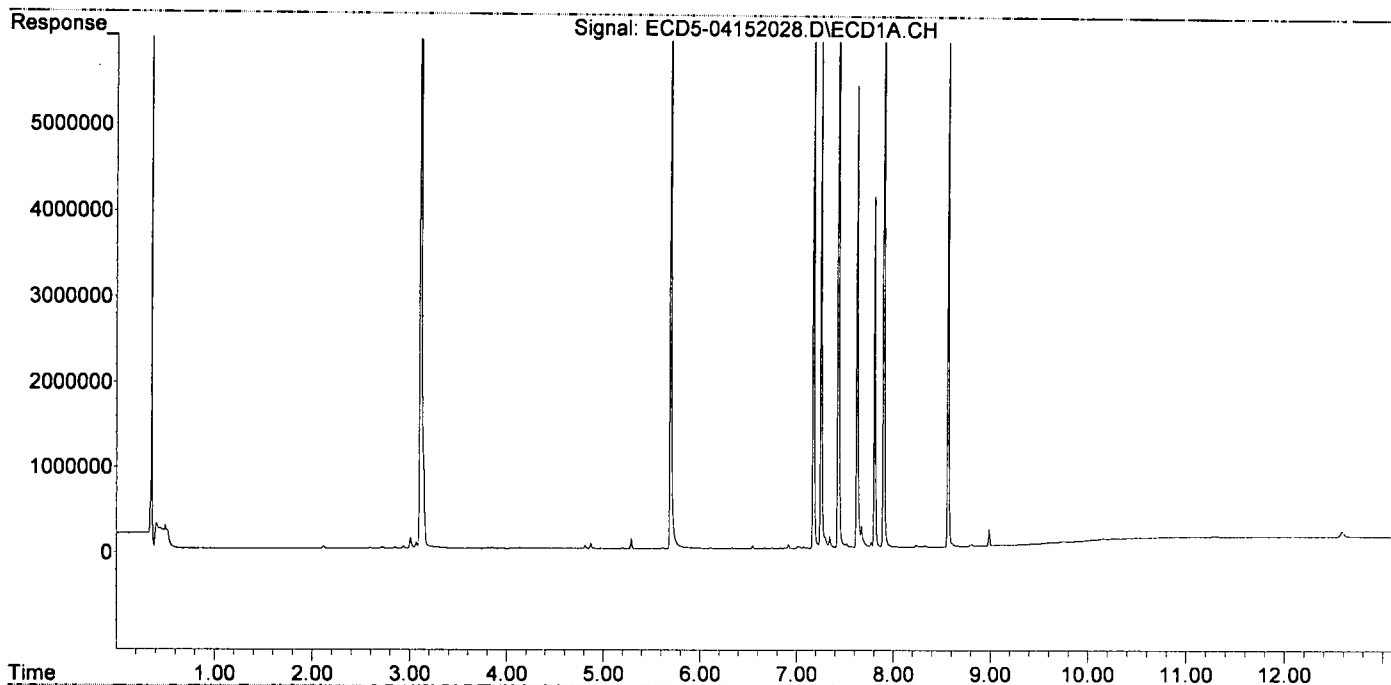
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.288f | 5.924 | 119144 | 10444 | 0.617 | 0.037 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.110f | 0.000 | 6226 | 0 | 0.027 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.546 | 7.212 | 37829 | 58263 | 0.170 | 0.174 |
| 6) d-BHC | 6.366 | 7.160 | 3966 | 8441 | 0.020 | 0.026 # |
| 7) Aldrin | 0.000 | 7.452f | 0 | 11845 | N.D. | 0.036 # |
| 8) Heptachlo... | 7.254 | 7.897f | 5952232 | 50038 | 29.042 | 0.168 # |
| 9) trans-Chl... | 7.343 | 8.052 | 136262 | 9475803 | 0.654 | 31.279 # |
| 10) cis-Chlor... | 7.432 | 8.164 | 9383121 | 590294 | 45.819 | 2.034 # |
| 11) Endosulfa... | 7.563f | 8.227 | 18173 | 63242 | 0.094 | 0.233 # |
| 12) 4,4'-DDE | 7.520 | 8.251f | 50222 | 33545 | 0.255 | 0.117 # |
| 13) Dieldrin | 0.000 | 8.426 | 0 | 8716523 | N.D. | 29.298 # |
| 14) Endrin | 7.902f | 8.649 | 10724256 | 6195241 | 62.741 | 27.056 # |
| 15) 4,4'-DDD | 7.902f | 8.687 | 10724256 | 15654613 | 65.620 | 65.061 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.092f | 0.000 | 6393 | 0 | 0.035 | N.D. # |
| 18) Endrin Al... | 8.329 | 9.030 | 20674 | 11265 | 0.141 | 0.054 # |
| 19) Endosulfa... | 0.000 | 9.218 | 0 | 9278 | N.D. | 0.041 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.804 | 9.608 | 23065 | 8840657 | 0.121 | 35.459 # |
| 23) Hexachlor... | 3.112 | 3.601 | 9149057 | 18291057 | 48.748 | 49.786 |
| 24) Hexachlor... | 5.697 | 6.380 | 8700078 | 13743932 | 47.620 | 47.716 |
| 25) Oxychlordane | 7.176 | 7.846 | 8503749 | 13137512 | 50.057 | 51.317 |
| 26) 2,4'-DDE | 7.254 | 8.052 | 5952232 | 9475803 | 48.482 | 49.625 |
| 27) trans-Non... | 7.432 | 8.121 | 9383121 | 14550744 | 49.451 | 50.828 |
| 28) 2,4'-DDD | 7.626 | 8.426 | 5388391 | 8716523 | 49.987 | 51.531 |
| 29) 2,4'-DDT | 7.808 | 8.649 | 4106491 | 6195241 | 39.581 | 40.865 |
| 30) cis-Nonac... | 7.902 | 8.687 | 10724256 | 15654613 | 52.229 | 51.421 |
| 31) Mirex | 8.566 | 9.608 | 6315841 | 8840657 | 48.252 | 50.156 |
| 32) Chlordane... | 7.343 | 8.052f | 136262 | 9475803 | 5.838 | 240.477 # |
| 33) Chlordane... | 7.432f | 8.164 | 9383121 | 590294 | 353.382 | 18.025 # |
| 34) Chlordane... | 0.000 | 8.839 | 0 | 36040 | N.D. | 3.522 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.432f | 8.426 | 9383121 | 8716523 | 9029.255 | 3099.333 # |
| 37) Toxaphene... | 7.773f | 0.000 | 64581 | 0 | 31.967 | N.D. # |
| 38) Toxaphene... | 8.092f | 8.839f | 6393 | 36040 | 1.568 | 6.455 # |
| 39) Toxaphene... | 8.289 | 0.000 | 6623 | 0 | 1.686 | N.D. # |
| 40) Toxaphene... | 8.566f | 9.030f | 6315841 | 11265 | 2058.965 | 2.280 # |
| 41) Toxaphene... | 8.566f | 0.000 | 6315841 | 0 | 1576.714 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 20:03
Operator : MJB
Sample : 0D15038-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
 Data File : ECD5-04152029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Apr 2020 20:20
 Operator : MJB
 Sample : OD15038-CCB3
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 16 11:25:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*WB
4/16/20*

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|--------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.316 | 5.913 | 17994119 | 29530824 | 93.140 | 103.309 |
| 22) S DCBP (S) | 9.513 | 10.463 | 13531181 | 16757311 | 90.833 | 98.672 |

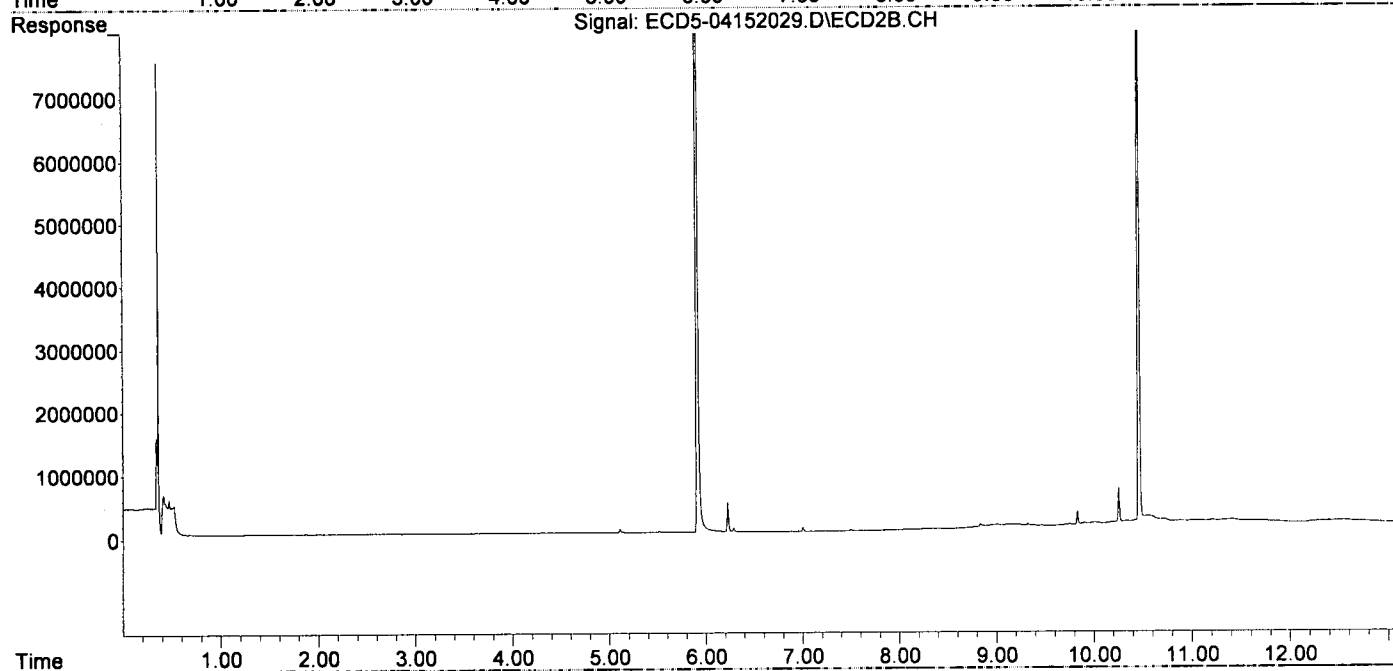
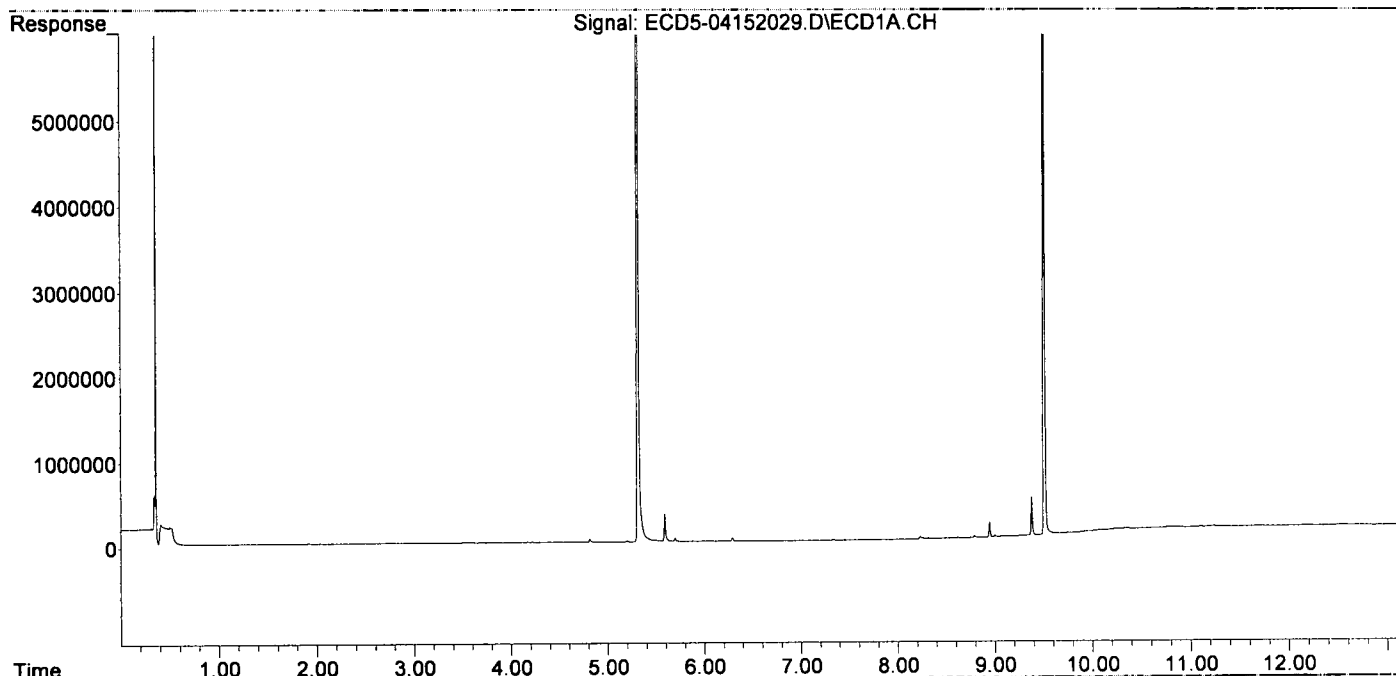
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------|--------|--------|--------|--------|----------|------------|
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.161 | 0 | 4230 | N.D. | 0.013 # |
| 7) Aldrin | 0.000 | 7.497 | 0 | 17886 | N.D. | 0.055 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.333 | 8.084f | 13115 | 5311 | 0.063 | 0.018 # |
| 10) cis-Chlor... | 7.443 | 0.000 | 2952 | 0 | 0.014 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.690f | 0.000 | 3047 | 0 | 0.014 | N.D. # |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.033 | 0.000 | 2815 | 0 | 0.017 | N.D. # |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.322 | 9.026 | 8247 | 12190 | 0.056 | 0.059 |
| 19) Endosulfa... | 8.624 | 9.218 | 7270 | 18757 | 0.044 | 0.082 # |
| 20) Methoxychlor | 8.465 | 0.000 | 2872 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.793f | 9.616 | 19112 | 4365 | 0.100 | 0.018 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.697 | 0.000 | 38209 | 0 | BelowCal | N.D. |
| 25) Oxychlordane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.084f | 0 | 5311 | N.D. | BelowCal |
| 27) trans-Non... | 7.443 | 0.000 | 2952 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 8.570 | 9.616 | 5585 | 4365 | 5765.314 | BelowCal # |
| 32) Chlordane... | 7.333f | 8.084 | 13115 | 5311 | 0.562 | 0.135 # |
| 33) Chlordane... | 7.443 | 0.000 | 2952 | 0 | 0.111 | N.D. # |
| 34) Chlordane... | 8.033f | 8.836 | 2815 | 39193 | 0.387 | 3.830 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.443 | 0.000 | 2952 | 0 | 2.840 | N.D. # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.033f | 8.836f | 2815 | 39193 | 0.690 | 7.019 # |
| 39) Toxaphene... | 8.322 | 0.000 | 8247 | 0 | 2.100 | N.D. # |
| 40) Toxaphene... | 8.570f | 9.026f | 5585 | 12190 | 1.821 | 2.467 # |
| 41) Toxaphene... | 8.624f | 0.000 | 7270 | 0 | 1.815 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D15038\
Data File : ECD5-04152029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Apr 2020 20:20
Operator : MJB
Sample : 0D15038-CCB3
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 16 11:25:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Sequence 0D17030 (A0D0212-02RE2,03RE2)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D17030

Instrument: DUALECD5

Date: 04/17/20 11:11

Calibration: A0C2504

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D17030-BKD1 | Sediment | QC | QC | | | | |
| 2 | 0D17030-CCV1 | Sediment | QC | QC | | | | A20C091 |
| 3 | 0D17030-CCV2 | Sediment | QC | QC | | | | A20C183 |
| 4 | 0D17030-CCB1 | Sediment | QC | QC | | | | A20C358 |
| 5 | A0D0207-01RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | A20C404 |
| 6 | A0D0207-04RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 7 | A0D0207-05RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 8 | A0D0207-06RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 9 | A0D0212-03RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 10 | 0D17030-CCV3 | Sediment | QC | QC | | | | A20C183 |
| 11 | 0D17030-CCV4 | Sediment | QC | QC | | | | A20C358 |
| 12 | 0D17030-CCB2 | Sediment | QC | QC | | | | A20C404 |
| 13 | A0D0207-02RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 14 | 0D17030-IBL1 | Sediment | QC | QC | | | | |
| 15 | A0D0207-03RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 16 | 0D17030-IBL2 | Sediment | QC | QC | | | | |
| 17 | A0D0210-01RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 18 | 0D17030-IBL3 | Sediment | QC | QC | | | | |
| 19 | A0D0210-02RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 20 | 0D17030-IBL4 | Sediment | QC | QC | | | | |
| 21 | A0D0212-02RE2 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 22 | 0D17030-IBL5 | Sediment | QC | QC | | | | |
| 23 | 0D17030-CCV5 | Sediment | QC | QC | | | | A20C184 |
| 24 | 0D17030-CCV6 | Sediment | QC | QC | | | | A20C359 |
| 25 | 0D17030-CCB3 | Sediment | QC | QC | | | | A20C404 |

Data Entered By: MJB 4/20/20

Comments:

2,4-PT Only

Data Reviewed By: MJB 4/21/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D17030 BKD1
Data File: ECD5-04172003.D

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|-----------|-------------------|------|
| DDE | 905042 | | |
| DDD | 10330587 | | |
| DDT | 127046840 | 8.13 | PASS |
| Endrin | 77375413 | 13.53 | PASS |
| Endrin Aldehyde | 3713508 | | |
| Endrin Ketone | 8395227 | | |

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|-----------|-------------------|------|
| DDE | 1495754 | | |
| DDD | 17242595 | | |
| DDT | 185474844 | 9.18 | PASS |
| Endrin | 111703936 | 13.49 | PASS |
| Endrin Aldehyde | 4741868 | | |
| Endrin Ketone | 12669456 | | |

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

*MJB
4/20/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 12:02
 Operator : MJB
 Sample : OD17030-BKD1
 Misc : A20C091
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 17 12:17:03 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|-----------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.488 | 905042 | NoCal | ng/mL |
| 2) Endrin | 7.857 | 77375413 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.909 | 10330587 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.106 | 127046840 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.304 | 3713508 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.799 | 8395227 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.258 | 1495754 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.626 | 111703936 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.673 | 17242595 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.010 | 4741868 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.899 | 185474844 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.600 | 12669456 | NoCal | ng/mL |

(f)=RT Delta > 1/2 Window

(m)=manual int.

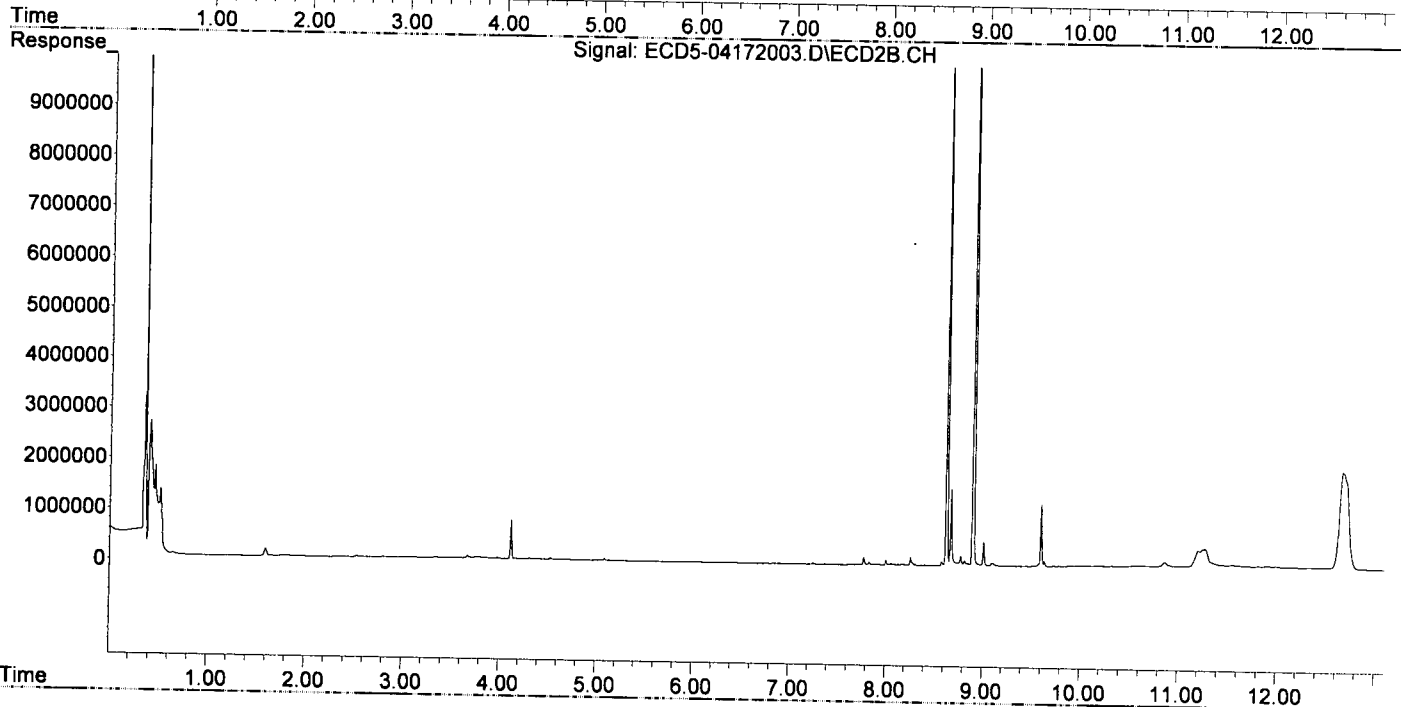
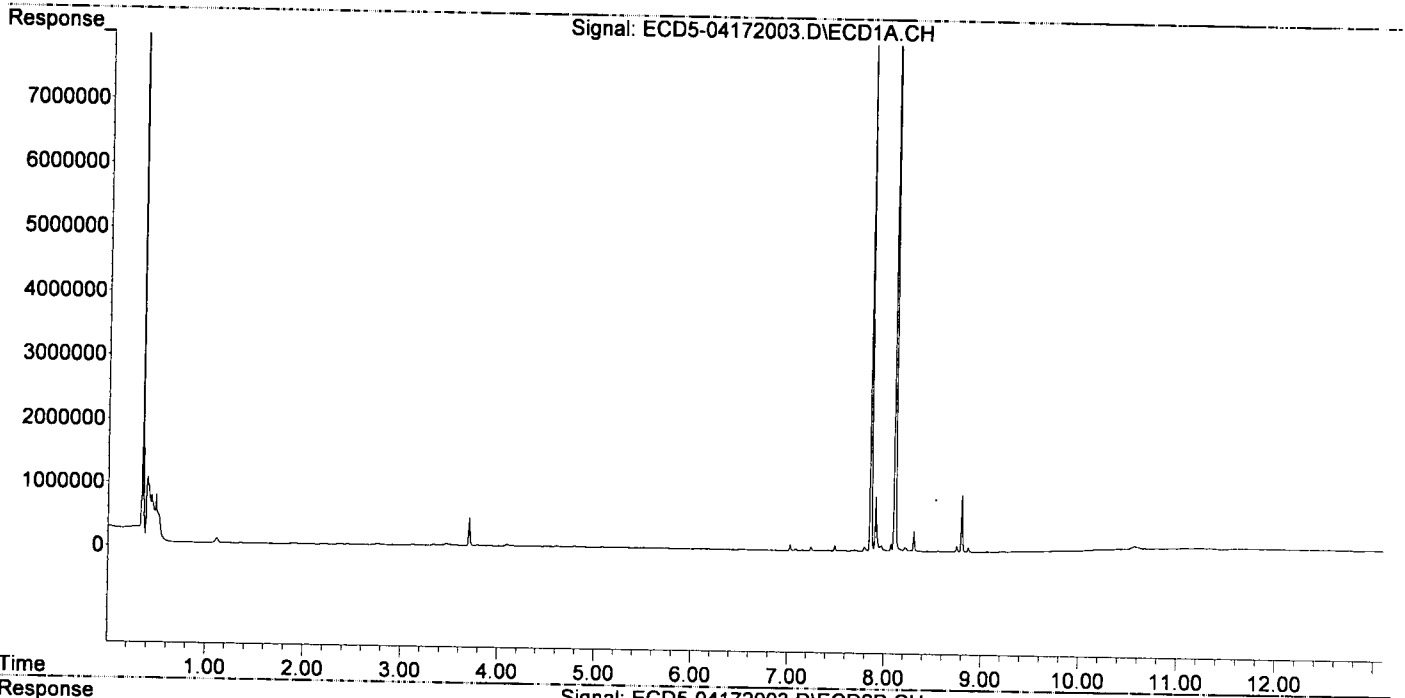
MJB
4/20/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 12:02
Operator : MJB
Sample : 0D17030-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 17 12:17:03 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 12:19
 Operator : MJB
 Sample : 0D17030-CCV1
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:53:30 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 HHC
 4/22/20

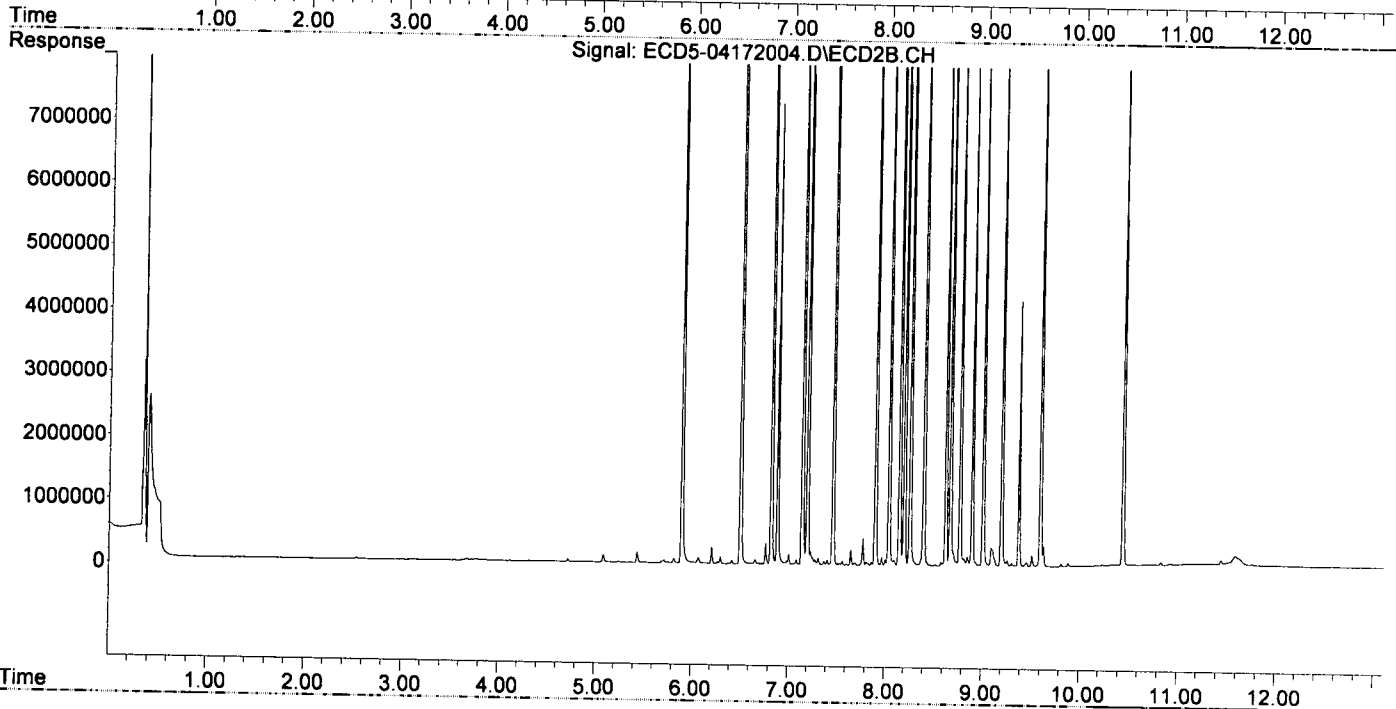
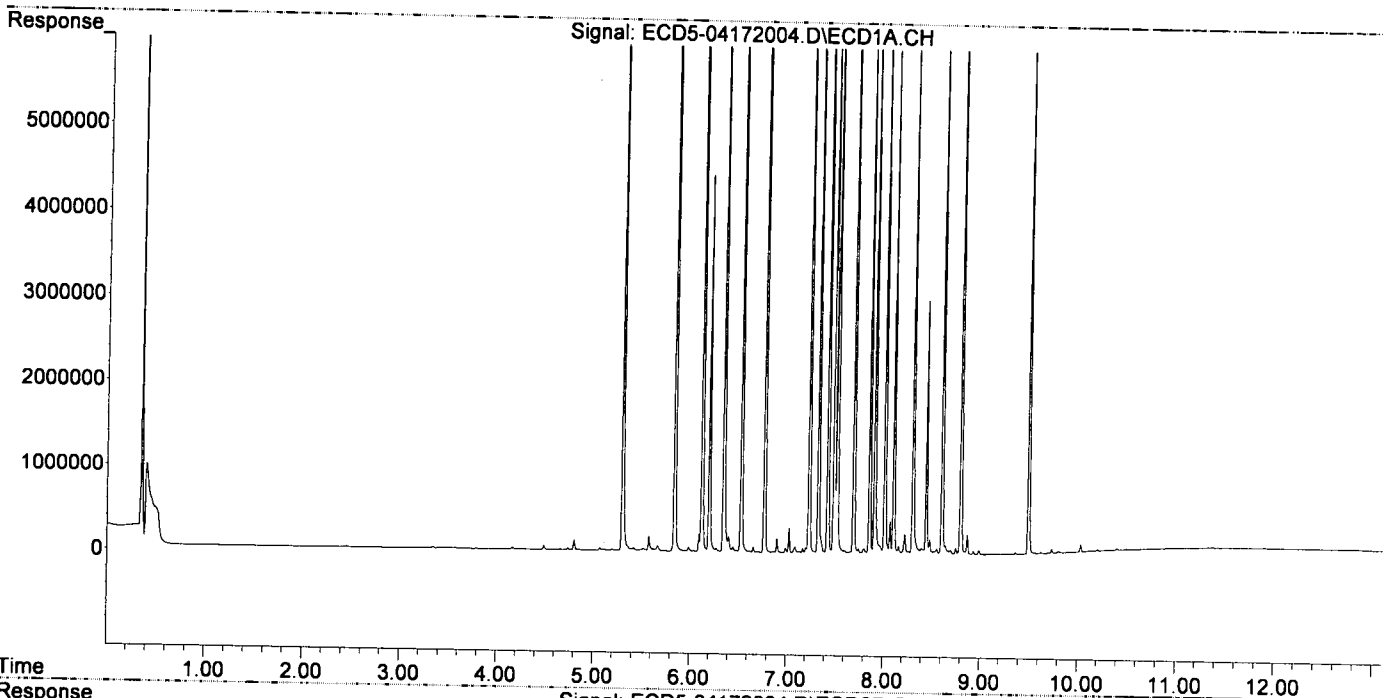
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.298 | 5.896 | 9045055 | 14149044 | 46.818 | 49.498 |
| 22) S DCBP (S) | 9.495 | 10.444 | 7550009 | 9175507 | 50.639 | 54.028 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.837 | 6.504 | 12727405 | 21206963 | 48.359 | 52.337 |
| 3) g-BHC | 6.120 | 6.822 | 10765057 | 17905409 | 47.061 | 50.614 |
| 4) b-BHC | 6.196 | 6.887 | 4398801 | 7260602 | 45.979 | 48.393 |
| 5) Heptachlor | 6.528 | 7.196 | 9762070 | 15703843 | 43.819 | 46.857 |
| 6) d-BHC | 6.345 | 7.142 | 10137061 | 16785775 | 51.952 | 51.403 |
| 7) Aldrin | 6.769 | 7.461 | 11436838 | 17542298 | 51.512 | 53.831 |
| 8) Heptachlo... | 7.231 | 7.900 | 9402321 | 15417746 | 45.876 | 51.799 |
| 9) trans-Chl... | 7.325 | 8.040 | 10417301 | 15395741 | 49.972 | 50.820 |
| 10) cis-Chlor... | 7.423 | 8.148 | 9677255 | 14769527 | 47.256 | 50.899 |
| 11) Endosulfa... | 7.520 | 8.197 | 9106346 | 13681030 | 47.100 | 50.350 |
| 12) 4,4'-DDE | 7.486 | 8.257 | 10237337 | 15457751 | 51.937 | 53.984 |
| 13) Dieldrin | 7.692 | 8.398 | 10284750 | 15663667 | 48.408 | 52.649 |
| 14) Endrin | 7.856 | 8.625 | 7545295 | 11040898 | 44.143 | 48.217 |
| 15) 4,4'-DDD | 7.908 | 8.673 | 8080789 | 12618177 | 49.445 | 52.441 |
| 16) Endosulfa... | 8.012 | 8.773 | 7752706 | 12009564 | 46.272 | 50.061 |
| 17) 4,4'-DDT | 8.104 | 8.898 | 5873091 | 8444013 | 44.683 | 45.972 |
| 18) Endrin Al... | 8.303 | 9.010 | 6685990 | 10098887 | 45.678 | 48.552 |
| 19) Endosulfa... | 8.605 | 9.201 | 7483095 | 10655922 | 45.508 | 46.799 |
| 20) Methoxychlor | 8.442 | 9.378 | 2968106 | 4176583 | 43.903 | 45.389 |
| 21) Endrin Ke... | 8.798 | 9.599 | 8639551 | 11988983 | 45.241 | 48.087 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.664 | 0.000 | 64779 | 0 | 0.081 | N.D. |
| 25) Oxychlordan | 7.166 | 7.807 | 51256 | 51872 | 0.046 | BelowCal # |
| 26) 2,4'-DDE | 7.231 | 8.040 | 9402321 | 15395741 | 76.010 | 78.500 |
| 27) trans-Non... | 7.423 | 8.094 | 9677255 | 80508 | 50.998 | 0.056 # |
| 28) 2,4'-DDD | 7.601 | 8.398 | 30286 | 15663667 | 0.005 | 89.822 # |
| 29) 2,4'-DDT | 7.801 | 8.625 | 56442 | 11040898 | 0.367 | 69.101 # |
| 30) cis-Nonac... | 7.908f | 8.673 | 8080789 | 12618177 | 39.421 | 41.808 |
| 31) Mirex | 8.552 | 9.599 | 61234 | 11988983 | 0.066 | 67.367 # |
| 32) Chlordane... | 7.325f | 8.094 | 10417301 | 80508 | 446.287 | 2.043 # |
| 33) Chlordane... | 7.486f | 8.197 | 10237337 | 13681030 | 385.553 | 417.757 |
| 34) Chlordane... | 8.012 | 8.850 | 7752706 | 140758 | 1066.447 | 13.755 # |
| 35) Chlordane... | 3.702f | 3.676f | 4448 | 23894 | NoCal | NoCal |
| 36) Toxaphene... | 7.486f | 8.436 | 10237337 | 46543 | 9851.255 | 16.549 # |
| 37) Toxaphene... | 7.744 | 8.773 | 54680 | 12009564 | 26.684 | 3360.140 # |
| 38) Toxaphene... | 8.068 | 8.813 | 369668 | 119355 | 90.681 | 21.376 # |
| 39) Toxaphene... | 8.303 | 8.898 | 6685990 | 8444013 | 1702.078 | 968.021 # |
| 40) Toxaphene... | 8.523 | 9.097f | 29596 | 298390 | 9.648 | 60.382 # |
| 41) Toxaphene... | 8.605 | 9.462f | 7483095 | 57845 | 1868.113 | 10.703 # |
| 42) Toxaphene... | 0.000 | 3.676f | 0 | 23894 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 12:19
Operator : MJB
Sample : 0D17030-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:53:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 12:36
 Operator : MJB
 Sample : OD17030-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:53:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

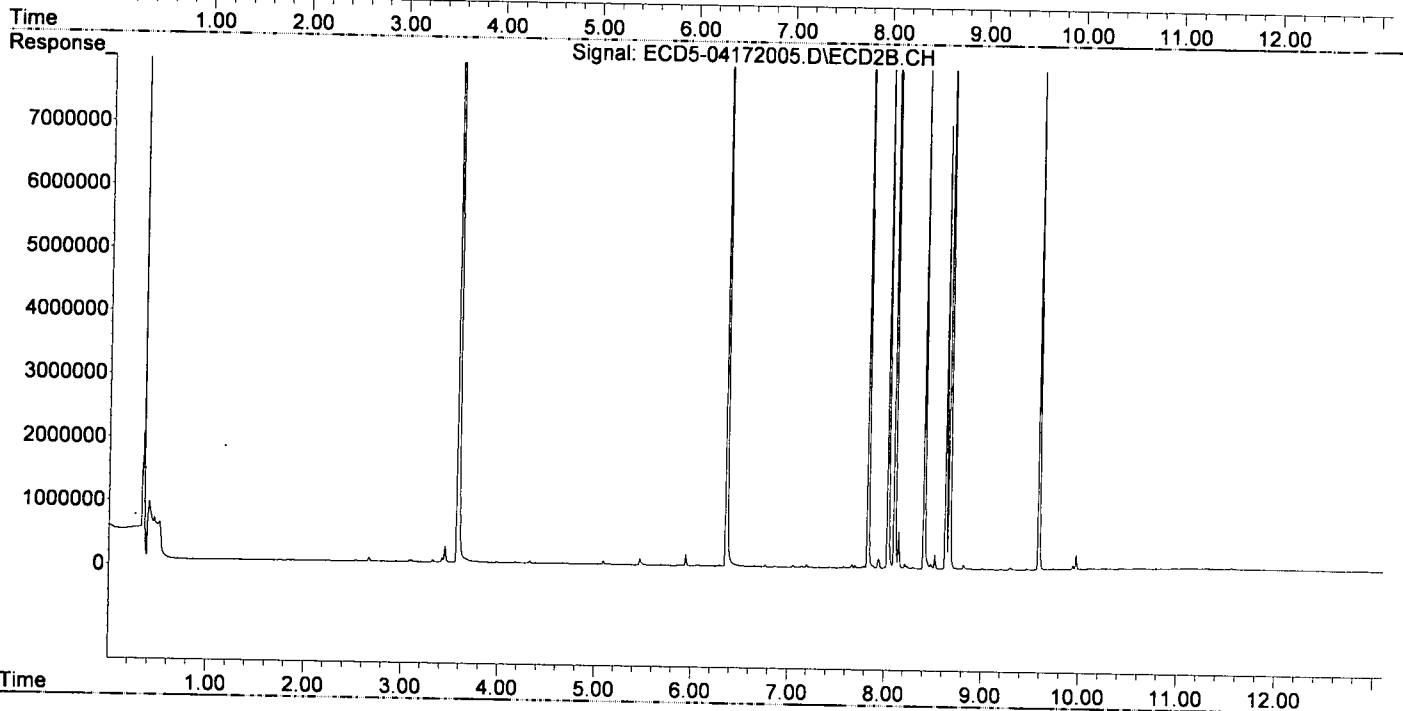
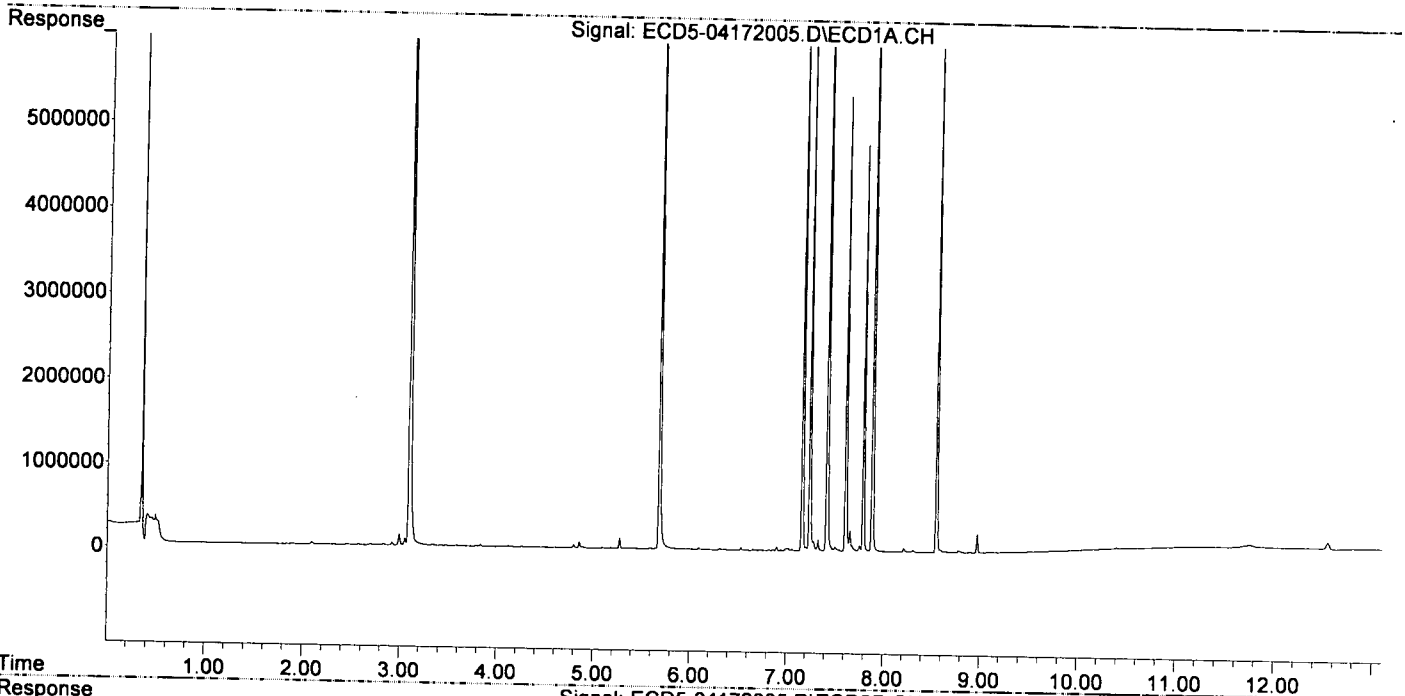
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.269f | 5.897 | 122026 | 11447 | 0.632 | 0.040 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.090f | 6.859f | 20951 | 6248 | 0.092 | 0.018 # |
| 4) b-BHC | 0.000 | 6.859f | 0 | 6248 | N.D. | 0.042 # |
| 5) Heptachlor | 6.526 | 7.193 | 34202 | 50028 | 0.154 | 0.149 |
| 6) d-BHC | 6.344 | 7.143 | 5225 | 16537 | 0.027 | 0.051 # |
| 7) Aldrin | 0.000 | 7.454 | 0 | 9677 | N.D. | 0.030 # |
| 8) Heptachlo... | 7.234 | 7.879f | 6138467 | 45326 | 29.951 | 0.152 # |
| 9) trans-Chl... | 7.324 | 8.034 | 126881 | 9750516 | 0.609 | 32.185 # |
| 10) cis-Chlor... | 7.413 | 8.145 | 9295552 | 583388 | 45.392 | 2.010 # |
| 11) Endosulfa... | 7.501 | 8.208 | 56378 | 80192 | 0.292 | 0.295 |
| 12) 4,4'-DDE | 7.501 | 8.229f | 56378 | 40024 | 0.286 | 0.140 # |
| 13) Dieldrin | 7.654f | 8.407 | 245980 | 8397417 | 1.158 | 28.225 # |
| 14) Endrin | 7.883f | 8.631 | 9915934 | 6985592 | 58.012 | 30.507 # |
| 15) 4,4'-DDD | 7.883f | 8.668 | 9915934 | 15391835 | 60.674 | 63.969 |
| 16) Endosulfa... | 0.000 | 8.772 | 0 | 10276 | N.D. | 0.043 # |
| 17) 4,4'-DDT | 8.104 | 8.879 | 4826 | 3913 | 0.022 | 0.078 # |
| 18) Endrin Al... | 8.308 | 9.010 | 25567 | 17060 | 0.175 | 0.082 # |
| 19) Endosulfa... | 0.000 | 9.199 | 0 | 16809 | N.D. | 0.074 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.775f | 9.588 | 22444 | 8346185 | 0.118 | 33.476 # |
| 23) Hexachlor... | 3.093 | 3.581 | 9426641 | 19403995 | 50.242 | 52.763 |
| 24) Hexachlor... | 5.678 | 6.362 | 8863306 | 14325659 | 48.512 | 49.670 |
| 25) Oxychlorane | 7.157 | 7.827 | 8167805 | 12596712 | 48.073 | 49.288 |
| 26) 2,4'-DDE | 7.234 | 8.034 | 6138467 | 9750516 | 49.980 | 51.000 |
| 27) trans-Non... | 7.413 | 8.102 | 9295552 | 14175526 | 48.990 | 49.571 |
| 28) 2,4'-DDD | 7.607 | 8.407 | 5304937 | 8397417 | 49.217 | 49.713 |
| 29) 2,4'-DDT | 7.789 | 8.631 | 4723041 | 6985592 | 45.292 | 45.666 |
| 30) cis-Nonac... | 7.883 | 8.668 | 9915934 | 15391835 | 48.321 | 50.596 |
| 31) Mirex | 8.547 | 9.588 | 6044438 | 8346185 | 46.144 | 47.417 |
| 32) Chlordane... | 7.324f | 8.102f | 126881 | 14175526 | 5.436 | 359.747 # |
| 33) Chlordane... | 0.000 | 8.208f | 0 | 80192 | N.D. | 2.449 # |
| 34) Chlordane... | 0.000 | 8.815f | 0 | 67299 | N.D. | 6.577 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 0.000 | 8.407f | 0 | 8397417 | N.D. | 2985.868 # |
| 37) Toxaphene... | 7.753 | 8.772 | 68692 | 10276 | 34.162 | 2.875 # |
| 38) Toxaphene... | 8.074 | 8.815 | 5270 | 67299 | 1.293 | 12.053 # |
| 39) Toxaphene... | 8.308 | 8.879 | 25567 | 3913 | 6.509 | BelowCal # |
| 40) Toxaphene... | 8.547 | 0.000 | 6044438 | 0 | 1970.488 | N.D. # |
| 41) Toxaphene... | 0.000 | 9.466f | 0 | 19609 | N.D. | 3.628 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 12:36
Operator : MJB
Sample : OD17030-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:53:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 12:53
 Operator : MJB
 Sample : 0D17030-CCB1
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:53:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

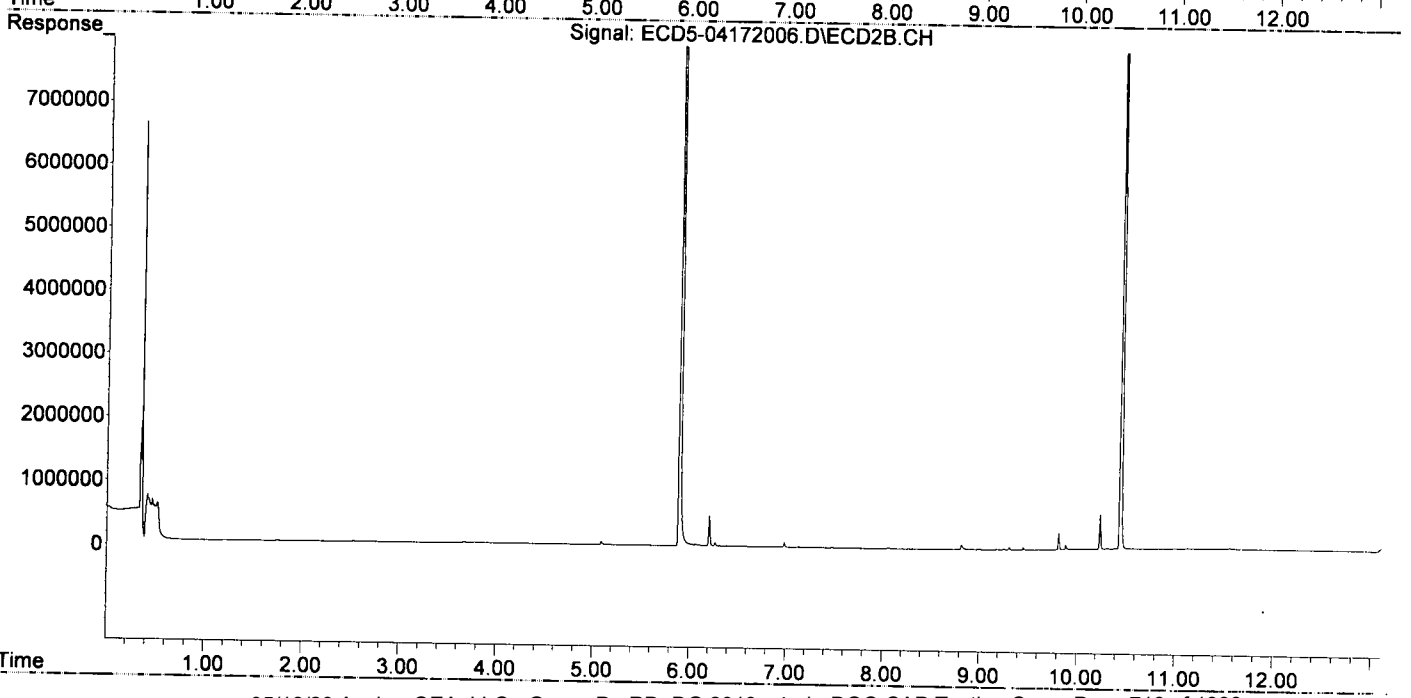
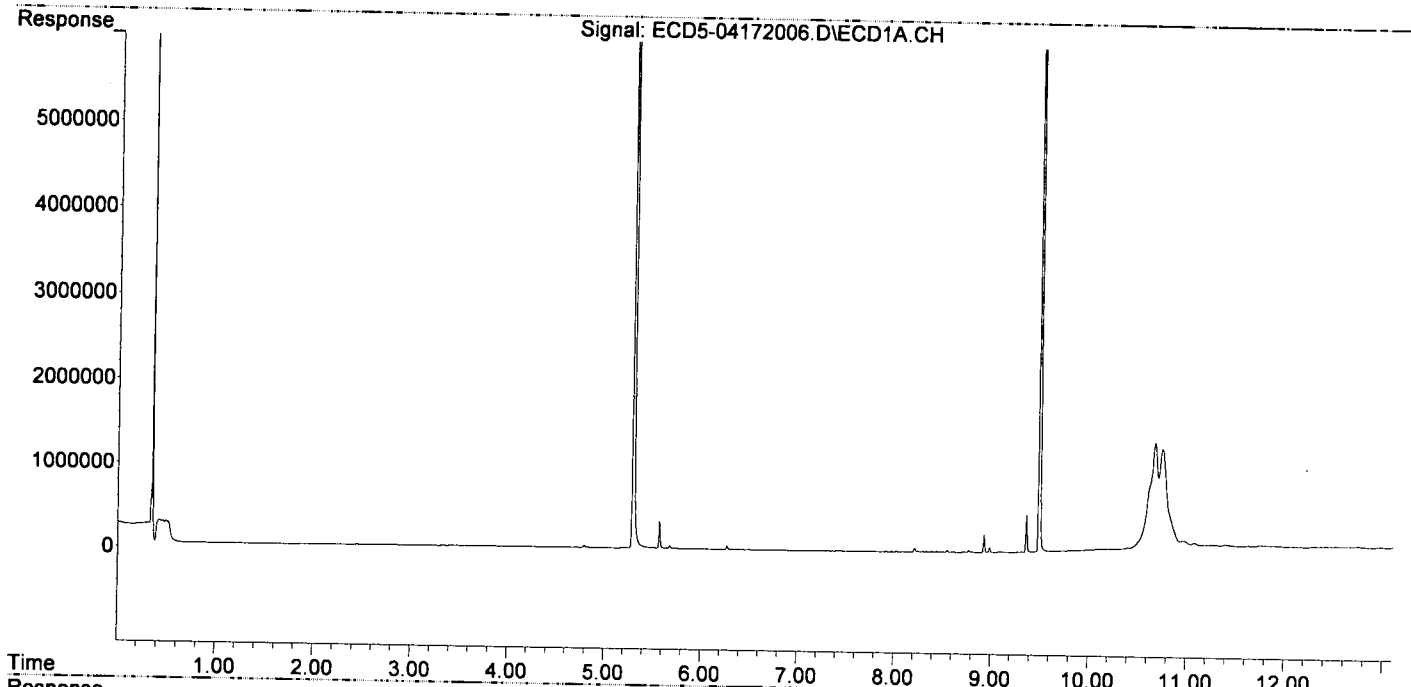
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.297 | 5.894 | 17634826 | 29636940 | 91.280 | 103.680 |
| 22) S DCBP (S) | 9.495 | 10.444 | 13124900 | 16701404 | 88.105 | 98.343 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.478 | 0 | 11385 | N.D. | 0.035 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.313 | 8.056 | 7643 | 15486 | 0.037 | 0.051 # |
| 10) cis-Chlor... | 7.418 | 0.000 | 9333 | 0 | 0.046 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 8.631 | 0 | 5981 | N.D. | 0.026 # |
| 15) 4,4'-DDD | 7.922 | 0.000 | 4855 | 0 | 0.030 | N.D. # |
| 16) Endosulfa... | 8.029 | 8.782 | 7294 | 7578 | 0.044 | 0.032 # |
| 17) 4,4'-DDT | 0.000 | 8.917 | 0 | 11773 | N.D. | 0.127 # |
| 18) Endrin Al... | 8.303 | 9.008 | 6885 | 6527 | 0.047 | 0.031 # |
| 19) Endosulfa... | 8.604 | 9.199 | 4848 | 6761 | 0.029 | 0.030 |
| 20) Methoxychlor | 8.438 | 0.000 | 8742 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.801 | 9.595 | 6339 | 8144 | 0.033 | 0.033 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.678 | 0.000 | 36289 | 0 | BelowCal | N.D. |
| 25) Oxychlordane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.056f | 0 | 15486 | N.D. | BelowCal |
| 27) trans-Non... | 7.418 | 0.000 | 9333 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.769f | 8.631 | 5689 | 5981 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.922f | 8.631f | 4855 | 5981 | BelowCal | BelowCal |
| 31) Mirex | 8.550 | 9.595 | 28354 | 8144 | 5765.140 | BelowCal |
| 32) Chlordane... | 0.000 | 8.056 | 0 | 15486 | N.D. | 0.393 # |
| 33) Chlordane... | 7.418f | 0.000 | 9333 | 0 | 0.351 | N.D. # |
| 34) Chlordane... | 8.029f | 8.815f | 7294 | 72009 | 1.003 | 7.037 # |
| 35) Chlordane... | 0.000 | 3.672f | 0 | 18901 | N.D. | NoCal |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 37) Toxaphene... | 7.769 | 8.782 | 5689 | 7578 | 0.589 | 2.120 # |
| 38) Toxaphene... | 8.029f | 8.815 | 7294 | 72009 | 1.789 | 12.897 # |
| 39) Toxaphene... | 8.303 | 8.917f | 6885 | 11773 | 1.753 | BelowCal # |
| 40) Toxaphene... | 8.550 | 0.000 | 28354 | 0 | 9.243 | N.D. # |
| 41) Toxaphene... | 8.604 | 9.449 | 4848 | 36367 | 1.210 | 6.729 # |
| 42) Toxaphene... | 0.000 | 3.672 | 0 | 18901 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 12:53
Operator : MJB
Sample : 0D17030-CCB1
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:53:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 14:21
 Operator : MJB
 Sample : AOD0212-03RE2
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
4/12/20*

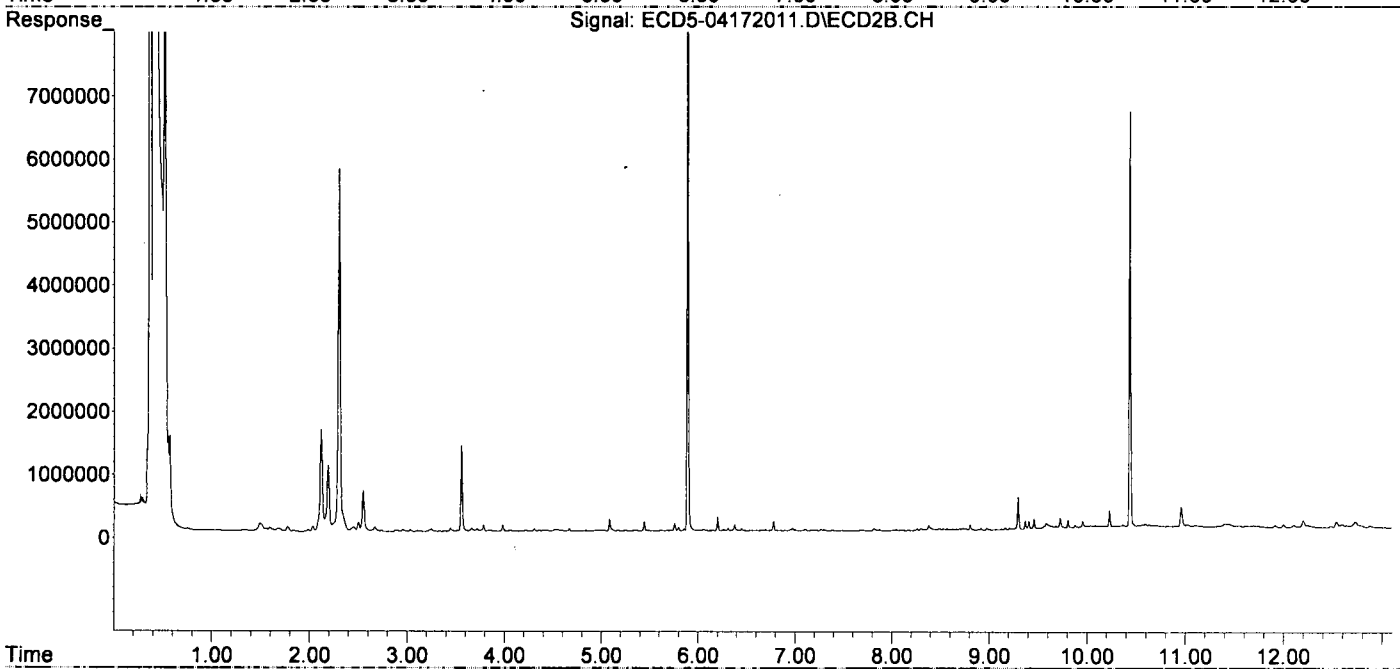
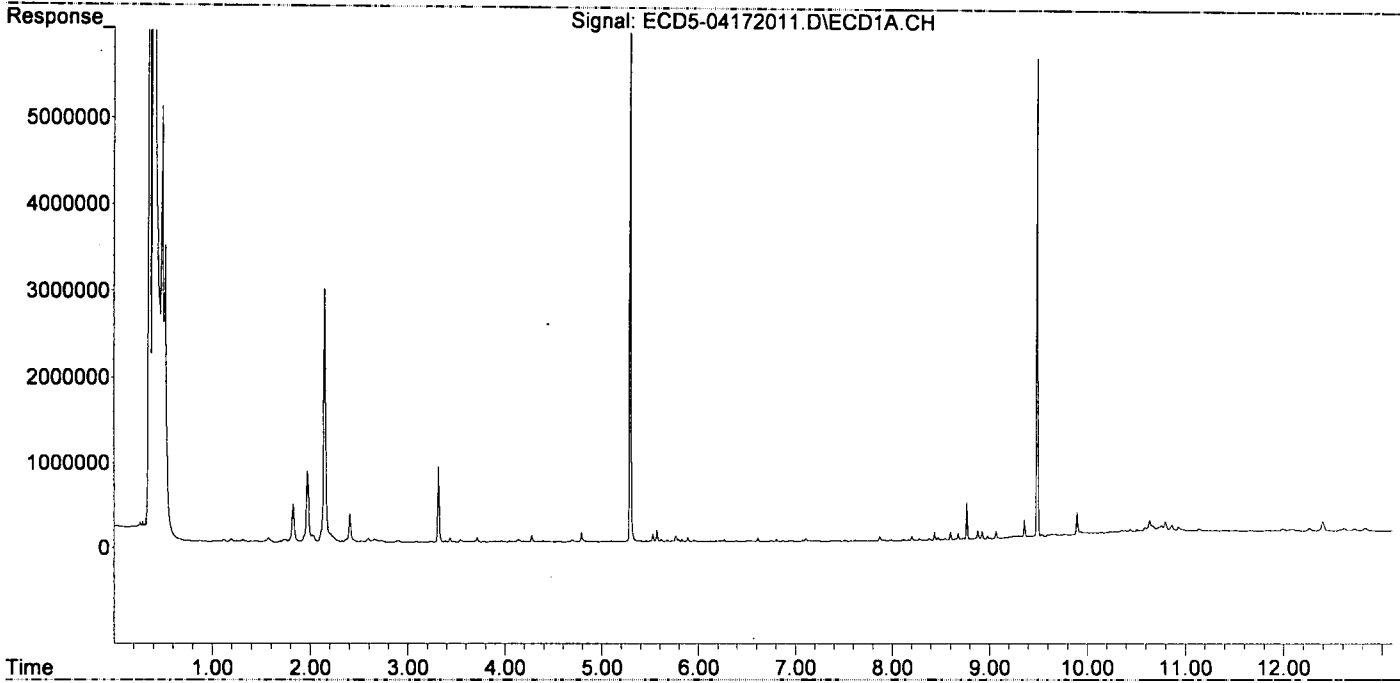
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.294 | 5.891 | 6703731 | 10991183 | 34.699 | 38.451 |
| 22) S DCBP (S) | 9.492 | 10.441 | 5598481 | 6554972 | 37.513 | 38.598 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.828 | 0.000 | 34381 | 0 | 0.131 | N.D. # |
| 3) g-BHC | 6.126 | 0.000 | 10098 | 0 | 0.044 | N.D. # |
| 4) b-BHC | 6.210 | 6.895 | 12308 | 11781 | 0.129 | 0.079 # |
| 5) Heptachlor | 6.533 | 7.191 | 16934 | 9661 | 0.076 | 0.029 # |
| 6) d-BHC | 6.353 | 7.109f | 8636 | 23629 | 0.044 | 0.072 # |
| 7) Aldrin | 6.745f | 7.492f | 12959 | 10476 | 0.058 | 0.032 # |
| 8) Heptachlo... | 7.206f | 7.877f | 10101 | 23266 | 0.049 | 0.078 # |
| 9) trans-Chl... | 7.322 | 8.046 | 5124 | 18863 | 0.025 | 0.062 # |
| 10) cis-Chlor... | 7.405 | 8.174f | 14899 | 11947 | 0.073 | 0.041 # |
| 11) Endosulfa... | 7.514 | 8.174f | 19144 | 11947 | 0.099 | 0.044 # |
| 12) 4,4'-DDE | 7.458f | 8.262 | 10718 | 28782 | 0.054 | 0.101 # |
| 13) Dieldrin | 7.682 | 8.383 | 6473 | 73106 | 0.030 | 0.246 # |
| 14) Endrin | 7.871 | 8.629 | 51976 | 11780 | 0.304 | 0.051 # |
| 15) 4,4'-DDD | 7.871f | 8.665 | 51976 | 10205 | 0.318 | 0.042 # |
| 16) Endosulfa... | 8.025 | 8.762 | 4109 | 19257 | 0.025 | 0.080 # |
| 17) 4,4'-DDT | 8.118 | 8.893 | 16986 | 7497 | 0.122 | 0.101 |
| 18) Endrin Al... | 8.280f | 8.981f | 19072 | 29010 | 0.130 | 0.139 |
| 19) Endosulfa... | 8.601 | 9.212 | 94475 | 24352 | 0.575 | 0.107 # |
| 20) Methoxychlor | 8.437 | 9.374 | 97171 | 135621 | 1.339 | 1.543 |
| 21) Endrin Ke... | 8.814 | 9.588 | 10180 | 90386 | 0.053 | 0.363 # |
| 23) Hexachlor... | 3.089 | 3.556f | 13677 | 1352955 | 11064.635 | 3.549 # |
| 24) Hexachlor... | 5.677 | 6.379 | 28139 | 99830 | BelowCal | 0.118 |
| 25) Oxychlordane | 7.142 | 7.819 | 16988 | 37986 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.206f | 8.021 | 10101 | 12289 | BelowCal | BelowCal |
| 27) trans-Non... | 7.405 | 8.109 | 14899 | 13096 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.617 | 8.383f | 17132 | 73106 | BelowCal | 0.177 |
| 29) 2,4'-DDT | 7.775 | 8.629 | 6220 | 11780 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.871 | 8.665 | 51976 | 10205 | 0.027 | BelowCal # |
| 31) Mirex | 8.545 | 9.588 | 25181 | 90386 | 5765.165 | 0.088 # |
| 32) Chlordane... | 7.374 | 8.046f | 11380 | 18863 | 0.488 | 0.479 |
| 33) Chlordane... | 7.458 | 8.174 | 10718 | 11947 | 0.404 | 0.365 |
| 34) Chlordane... | 7.991 | 8.808f | 17024 | 73202 | 2.342 | 7.153 # |
| 35) Chlordane... | 3.665 | 3.661 | 12091 | 47141 | NoCal | NoCal |
| 36) Toxaphene... | 7.458 | 0.000 | 10718 | 0 | 10.313 | N.D. # |
| 37) Toxaphene... | 7.775f | 8.762 | 6220 | 19257 | 0.872 | 5.388 # |
| 38) Toxaphene... | 8.062 | 8.808 | 3268 | 73202 | 0.802 | 13.110 # |
| 39) Toxaphene... | 8.280f | 8.893 | 19072 | 7497 | 4.855 | BelowCal # |
| 40) Toxaphene... | 8.545 | 0.000 | 25181 | 0 | 8.209 | N.D. # |
| 41) Toxaphene... | 8.601 | 9.464f | 94475 | 165861 | 23.585 | 30.689 # |
| 42) Toxaphene... | 3.665 | 3.661 | 12091 | 47141 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 14:21
Operator : MJB
Sample : A0D0212-03RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 14:38
 Operator : MJB
 Sample : 0D17030-CCV3
 Misc : A20C184, AB 100 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

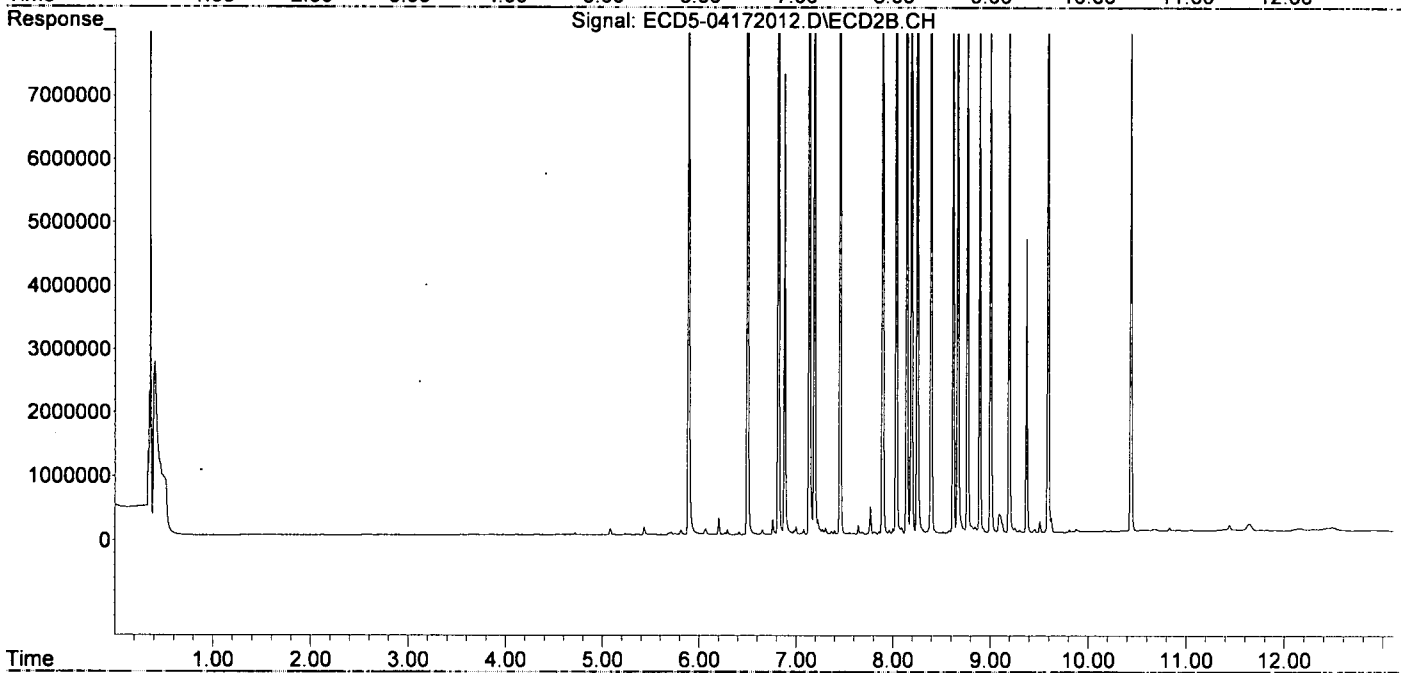
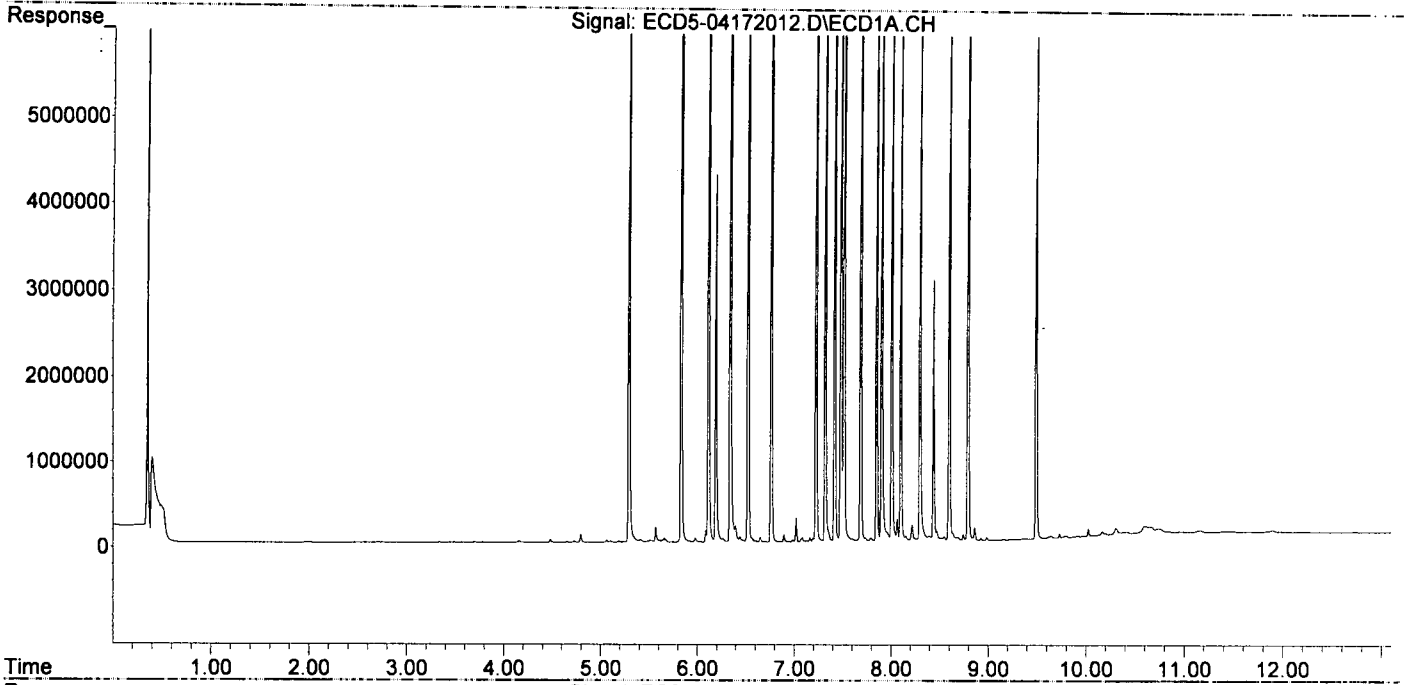
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.294 | 5.891 | 8856473 | 14335163 | 45.842 | 50.149 |
| 22) | S DCBP (S) | 9.493 | 10.442 | 7136468 | 9093460 | 47.858 | 53.545 |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.833 | 6.500 | 12628017 | 21413106 | 47.981 | 52.845 |
| 3) | g-BHC | 6.116 | 6.818 | 10900275 | 18205412 | 47.652 | 51.462 |
| 4) | b-BHC | 6.192 | 6.883 | 4288307 | 7240823 | 44.824 | 48.261 |
| 5) | Heptachlor | 6.524 | 7.192 | 10392474 | 17060426 | 46.648 | 50.904 |
| 6) | d-BHC | 6.341 | 7.138 | 9404710 | 17368433 | 48.199 | 53.187 |
| 7) | Aldrin | 6.765 | 7.457 | 10824650 | 17450030 | 48.755 | 53.548 |
| 8) | Heptachlo... | 7.227 | 7.896 | 9574835 | 15093987 | 46.718 | 50.711 |
| 9) | trans-Chl... | 7.322 | 8.036 | 9920596 | 15495856 | 47.590 | 51.150 |
| 10) | cis-Chlor... | 7.419 | 8.144 | 9493975 | 15273552 | 46.361 | 52.636 |
| 11) | Endosulfa... | 7.517 | 8.193 | 8869035 | 14024918 | 45.873 | 51.616 |
| 12) | 4,4'-DDE | 7.483 | 8.253 | 9587213 | 15641904 | 48.639 | 54.627 |
| 13) | Dieldrin | 7.688 | 8.395 | 10344826 | 15764235 | 48.690 | 52.987 |
| 14) | Endrin | 7.853 | 8.622 | 7992244 | 11423579 | 46.757 | 49.888 |
| 15) | 4,4'-DDD | 7.905 | 8.669 | 7881140 | 12435449 | 48.223 | 51.682 |
| 16) | Endosulfa... | 8.009 | 8.770 | 7601614 | 11983737 | 45.370 | 49.953 |
| 17) | 4,4'-DDT | 8.102 | 8.896 | 6460444 | 9489040 | 48.823 | 50.961 |
| 18) | Endrin Al... | 8.300 | 9.007 | 6537627 | 10241981 | 44.664 | 49.240 |
| 19) | Endosulfa... | 8.601 | 9.197 | 7346376 | 11144538 | 44.676 | 48.945 |
| 20) | Methoxychlor | 8.440 | 9.376 | 3051039 | 4610468 | 45.077 | 49.664 |
| 21) | Endrin Ke... | 8.795 | 9.597 | 9017489 | 12600156 | 47.220 | 50.538 |
| 23) | Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) | Hexachlor... | 5.658 | 0.000 | 47943 | 0 | BelowCal | N.D. |
| 25) | Oxychlorane | 7.163 | 7.807 | 51240 | 33865 | 0.046 | BelowCal # |
| 26) | 2,4'-DDE | 7.227 | 8.036 | 9574835 | 15495856 | 77.374 | 78.975 |
| 27) | trans-Non... | 7.419 | 8.090 | 9493975 | 96802 | 50.034 | 0.116 # |
| 28) | 2,4'-DDD | 0.000 | 8.395 | 0 | 15764235 | N.D. | 90.359 # |
| 29) | 2,4'-DDT | 7.792 | 8.622 | 36128 | 11423579 | 0.162 | 71.219 # |
| 30) | cis-Nonac... | 7.905f | 8.669 | 7881140 | 12435449 | 38.450 | 41.224 |
| 31) | Mirex | 8.549 | 9.597 | 51206 | 12600156 | 5764.966 | 70.663 # |
| 32) | Chlordane... | 0.000 | 8.090 | 0 | 96802 | N.D. | 2.457 # |
| 33) | Chlordane... | 7.483f | 8.193 | 9587213 | 14024918 | 361.068 | 428.258 |
| 34) | Chlordane... | 8.009 | 8.848 | 7601614 | 98783 | 1045.663 | 9.653 # |
| 35) | Chlordane... | 3.698f | 3.670f | 5124 | 6739 | NoCal | NoCal |
| 36) | Toxaphene... | 7.483f | 8.395f | 9587213 | 15764235 | 9225.650 | 5605.287 # |
| 37) | Toxaphene... | 0.000 | 8.770 | 0 | 11983737 | N.D. | 3352.914 # |
| 38) | Toxaphene... | 8.065 | 8.811 | 255893 | 116219 | 62.772 | 20.815 # |
| 39) | Toxaphene... | 8.300 | 8.896 | 6537627 | 9489040 | 1664.309 | 1080.393 # |
| 40) | Toxaphene... | 8.518 | 9.094f | 34193 | 296060 | 11.147 | 59.911 # |
| 41) | Toxaphene... | 8.601 | 9.460f | 7346376 | 59393 | 1833.982 | 10.990 # |
| 42) | Toxaphene... | 3.698f | 3.670 | 5124 | 6739 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 14:38
Operator : MJB
Sample : 0D17030-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 14:55
 Operator : MJB
 Sample : OD17030-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

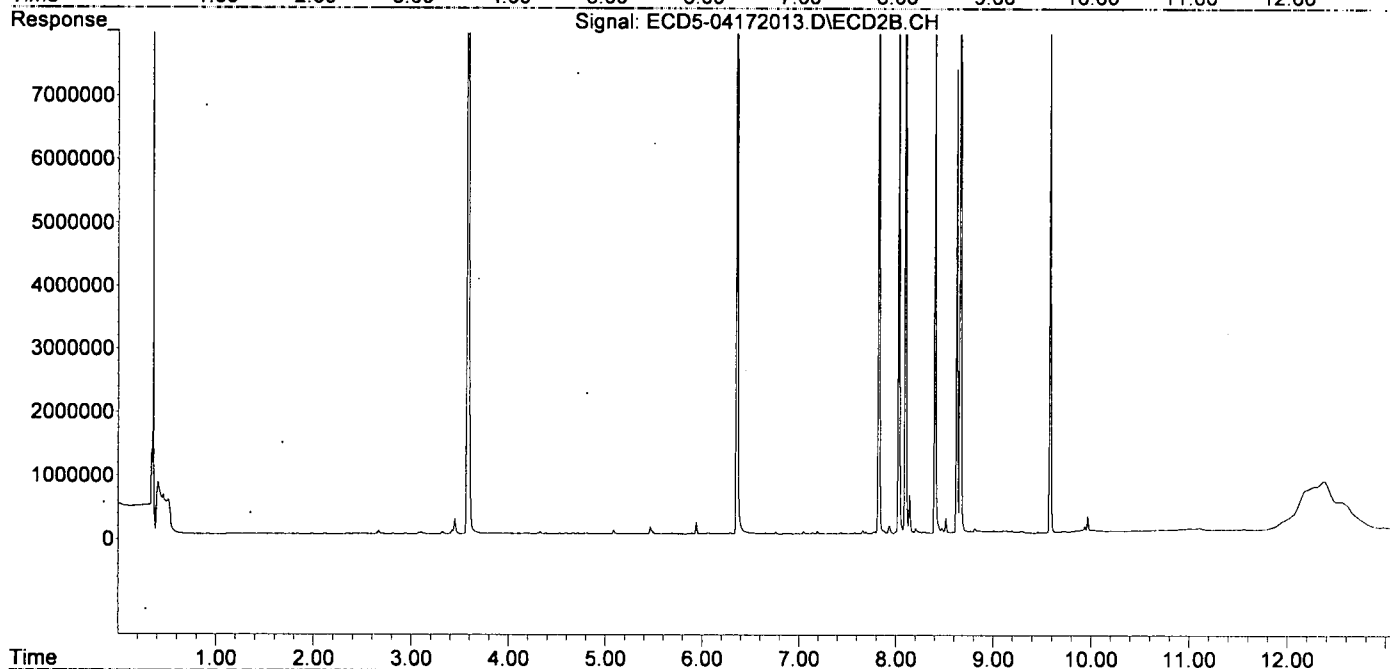
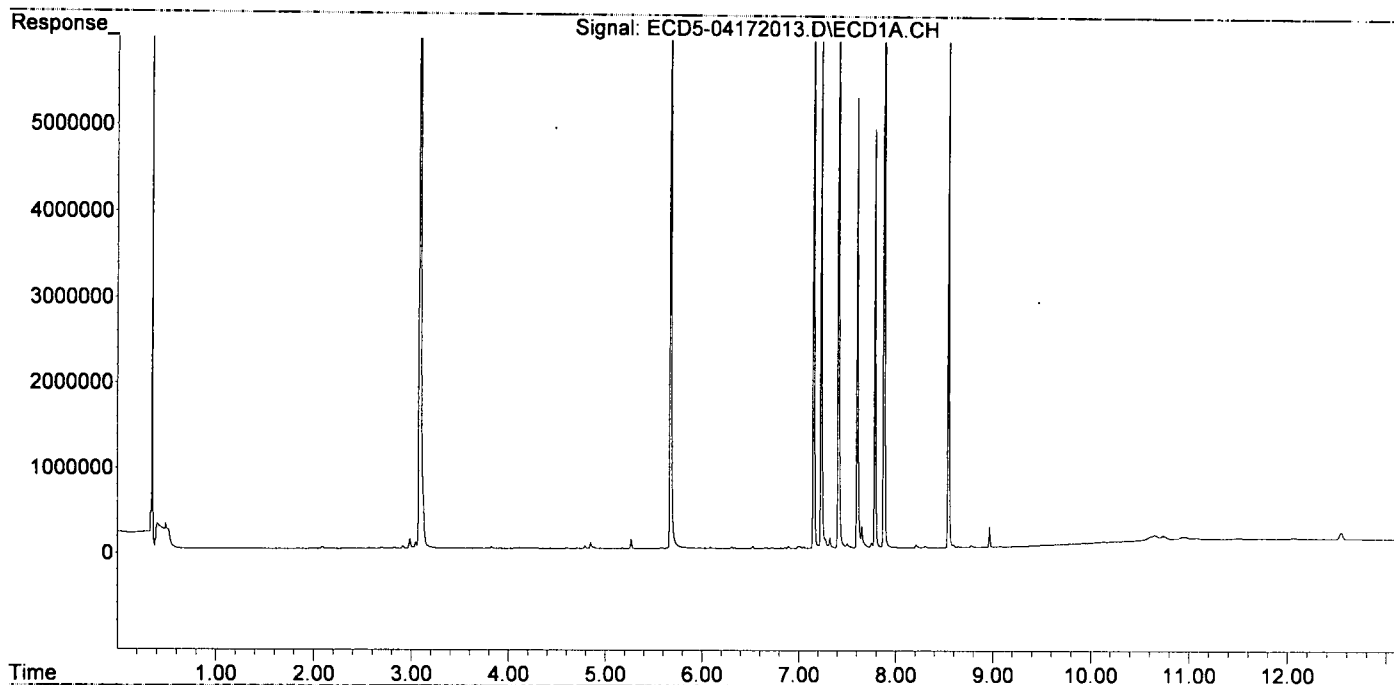
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.267f | 5.895 | 119226 | 11655 | 0.617 | 0.041 # |
| 22) S DCBP (S) | 9.522f | 0.000 | 5008 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.087f | 6.856f | 17346 | 6307 | 0.076 | 0.018 # |
| 4) b-BHC | 0.000 | 6.856f | 0 | 6307 | N.D. | 0.042 # |
| 5) Heptachlor | 6.524 | 7.191 | 32688 | 46774 | 0.147 | 0.140 |
| 6) d-BHC | 6.342 | 7.140 | 7100 | 16974 | 0.036 | 0.052 # |
| 7) Aldrin | 0.000 | 7.478 | 0 | 7529 | N.D. | 0.023 # |
| 8) Heptachlo... | 7.232 | 7.876f | 6060344 | 45021 | 29.570 | 0.151 # |
| 9) trans-Chl... | 7.322 | 8.031 | 130755 | 9802054 | 0.627 | 32.355 # |
| 10) cis-Chlor... | 7.411 | 8.143 | 9381962 | 598481 | 45.814 | 2.062 # |
| 11) Endosulfa... | 7.499f | 8.207 | 58040 | 81742 | 0.300 | 0.301 |
| 12) 4,4'-DDE | 7.499 | 8.228f | 58040 | 34707 | 0.294 | 0.121 # |
| 13) Dieldrin | 7.652f | 8.405 | 258641 | 8579638 | 1.217 | 28.838 # |
| 14) Endrin | 7.881f | 8.629 | 10041769 | 7289633 | 58.748 | 31.835 # |
| 15) 4,4'-DDD | 7.881f | 8.666 | 10041769 | 15277364 | 61.444 | 63.493 |
| 16) Endosulfa... | 8.010 | 8.770 | 10399 | 12873 | 0.062 | 0.054 |
| 17) 4,4'-DDT | 8.103 | 8.877f | 5392 | 5543 | 0.026 | 0.089 # |
| 18) Endrin Al... | 8.306 | 9.008 | 23096 | 17075 | 0.158 | 0.082 # |
| 19) Endosulfa... | 0.000 | 9.197 | 0 | 21985 | N.D. | 0.097 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.775f | 9.587 | 21340 | 8650738 | 0.112 | 34.697 # |
| 23) Hexachlor... | 3.090 | 3.578 | 8829560 | 18340289 | 47.029 | 49.917 |
| 24) Hexachlor... | 5.675 | 6.360 | 8488952 | 14302867 | 46.466 | 49.594 |
| 25) Oxylordane | 7.155 | 7.825 | 8090964 | 12464151 | 47.619 | 48.789 |
| 26) 2,4'-DDE | 7.232 | 8.031 | 6060344 | 9802054 | 49.352 | 51.257 |
| 27) trans-Non... | 7.411 | 8.100 | 9381962 | 14090778 | 49.445 | 49.287 |
| 28) 2,4'-DDD | 7.605 | 8.405 | 5253490 | 8579638 | 48.743 | 50.752 |
| 29) 2,4'-DDT | 7.787 | 8.629 | 4897582 | 7289633 | 46.897 | 47.491 |
| 30) cis-Nonac... | 7.881 | 8.666 | 10041769 | 15277364 | 48.930 | 50.236 |
| 31) Mirex | 8.545 | 9.587 | 6176308 | 8650738 | 47.168 | 49.105 |
| 32) Chlordane... | 0.000 | 8.100f | 0 | 14090778 | N.D. | 357.596 # |
| 33) Chlordane... | 0.000 | 8.207f | 0 | 81742 | N.D. | 2.496 # |
| 34) Chlordane... | 8.010 | 8.851 | 10399 | 10273 | 1.430 | 1.004 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 0.000 | 8.405f | 0 | 8579638 | N.D. | 3050.661 # |
| 37) Toxaphene... | 7.752 | 8.770 | 66080 | 12873 | 32.768 | 3.602 # |
| 38) Toxaphene... | 8.072 | 8.815 | 5903 | 53077 | 1.448 | 9.506 # |
| 39) Toxaphene... | 8.306 | 8.877 | 23096 | 5543 | 5.880 | BelowCal # |
| 40) Toxaphene... | 8.545 | 0.000 | 6176308 | 0 | 2013.477 | N.D. # |
| 41) Toxaphene... | 0.000 | 9.464f | 0 | 18870 | N.D. | 3.491 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 14:55
Operator : MJB
Sample : 0D17030-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 15:12
 Operator : MJB
 Sample : OD17030-CCB2
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1.

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

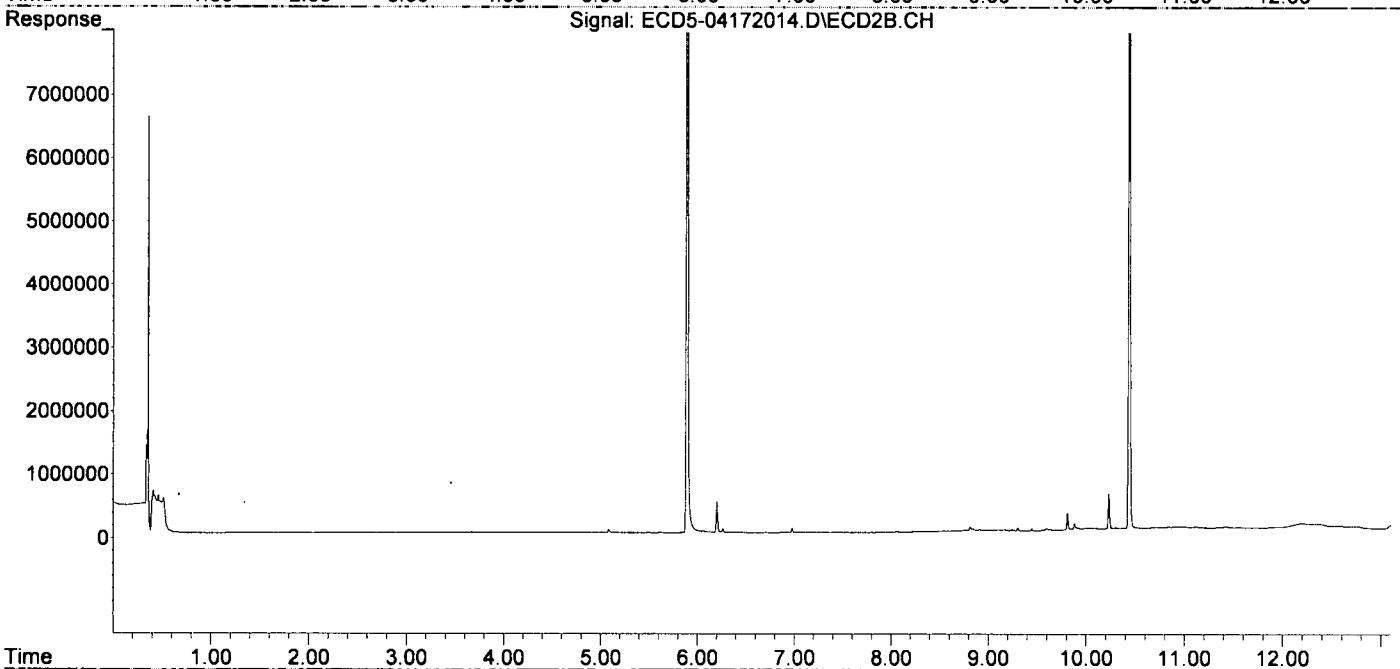
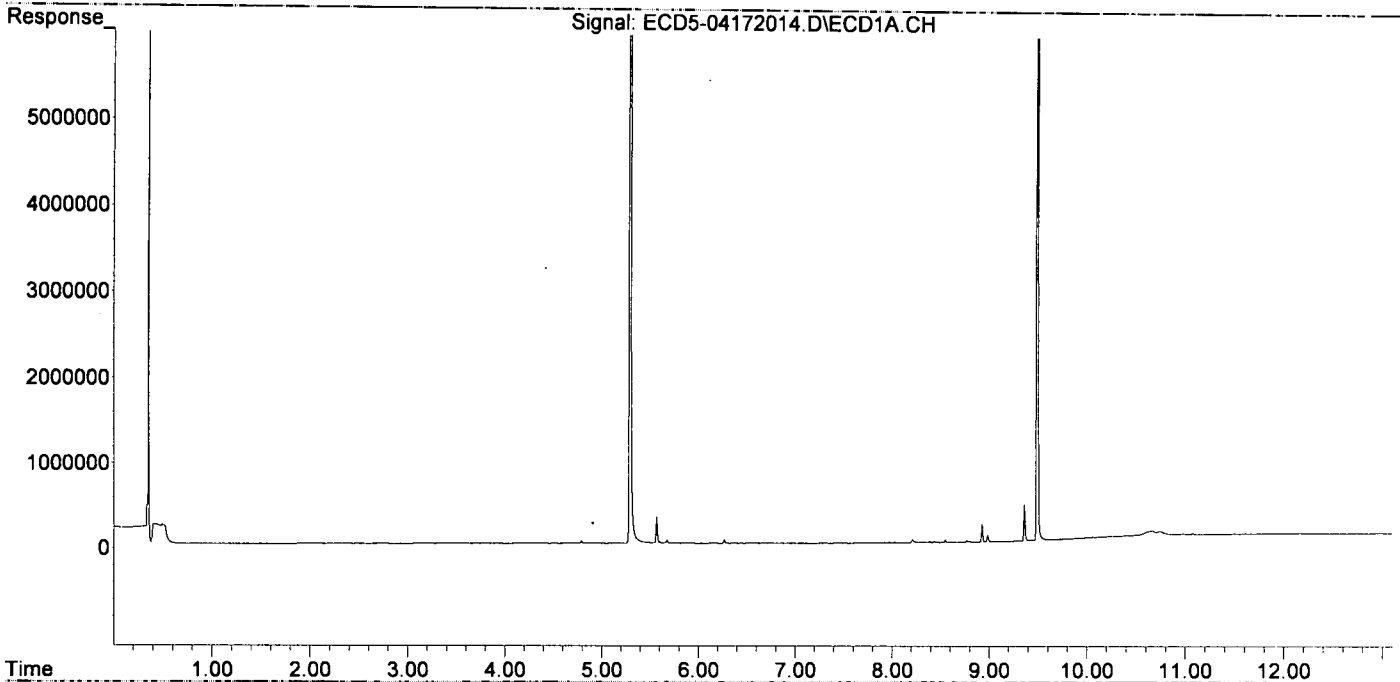
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.294 | 5.891 | 17172922 | 29795614 | 88.889 | 104.236 |
| 22) S DCBP (S) | 9.493 | 10.441 | 12902434 | 16709466 | 86.611 | 98.390 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.139 | 0 | 6210 | N.D. | 0.019 # |
| 7) Aldrin | 0.000 | 7.477 | 0 | 12005 | N.D. | 0.037 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.311 | 8.057 | 8619 | 11489 | 0.041 | 0.038 |
| 10) cis-Chlor... | 7.416 | 0.000 | 8648 | 0 | 0.042 | N.D. # |
| 11) Endosulfa... | 0.000 | 8.236f | 0 | 2124 | N.D. | 0.008 # |
| 12) 4,4'-DDE | 7.470 | 8.267 | 5228 | 4209 | 0.027 | 0.015 # |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 7.895f | 8.632 | 4475 | 6297 | 0.026 | 0.028 |
| 15) 4,4'-DDD | 7.895 | 8.632f | 4475 | 6297 | 0.027 | 0.026 |
| 16) Endosulfa... | 8.027 | 8.780 | 9049 | 11254 | 0.054 | 0.047 |
| 17) 4,4'-DDT | 0.000 | 8.915 | 0 | 12997 | N.D. | 0.135 # |
| 18) Endrin Al... | 8.302 | 9.007 | 7530 | 5612 | 0.051 | 0.027 # |
| 19) Endosulfa... | 8.603 | 9.174f | 6081 | 14688 | 0.037 | 0.065 # |
| 20) Methoxychlor | 8.439 | 0.000 | 12066 | 0 | 0.014 | N.D. # |
| 21) Endrin Ke... | 8.799 | 9.595 | 9256 | 25932 | 0.048 | 0.104 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.676 | 0.000 | 36494 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.057f | 0 | 11489 | N.D. | BelowCal |
| 27) trans-Non... | 7.416 | 0.000 | 8648 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.798 | 8.632 | 2964 | 6297 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.895 | 8.632f | 4475 | 6297 | BelowCal | BelowCal |
| 31) Mirex | 8.548 | 9.595 | 31195 | 25932 | 5765.119 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.057 | 0 | 11489 | N.D. | 0.292 # |
| 33) Chlordane... | 7.470 | 0.000 | 5228 | 0 | 0.197 | N.D. # |
| 34) Chlordane... | 8.027f | 8.839 | 9049 | 27742 | 1.245 | 2.711 # |
| 35) Chlordane... | 0.000 | 3.671f | 0 | 5971 | N.D. | NoCal |
| 36) Toxaphene... | 7.470 | 0.000 | 5228 | 0 | 5.031 | N.D. # |
| 37) Toxaphene... | 7.766 | 8.780 | 8473 | 11254 | 2.070 | 3.149 # |
| 38) Toxaphene... | 8.027f | 8.815 | 9049 | 56964 | 2.220 | 10.202 # |
| 39) Toxaphene... | 8.302 | 8.915f | 7530 | 12997 | 1.917 | BelowCal # |
| 40) Toxaphene... | 8.548 | 0.000 | 31195 | 0 | 10.170 | N.D. # |
| 41) Toxaphene... | 8.603 | 9.448 | 6081 | 38210 | 1.518 | 7.070 # |
| 42) Toxaphene... | 0.000 | 3.671 | 0 | 5971 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 15:12
Operator : MJB
Sample : 0D17030-CCB2
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 18:06
 Operator : MJB
 Sample : A0D0212-02RE2(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 15:01:36 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

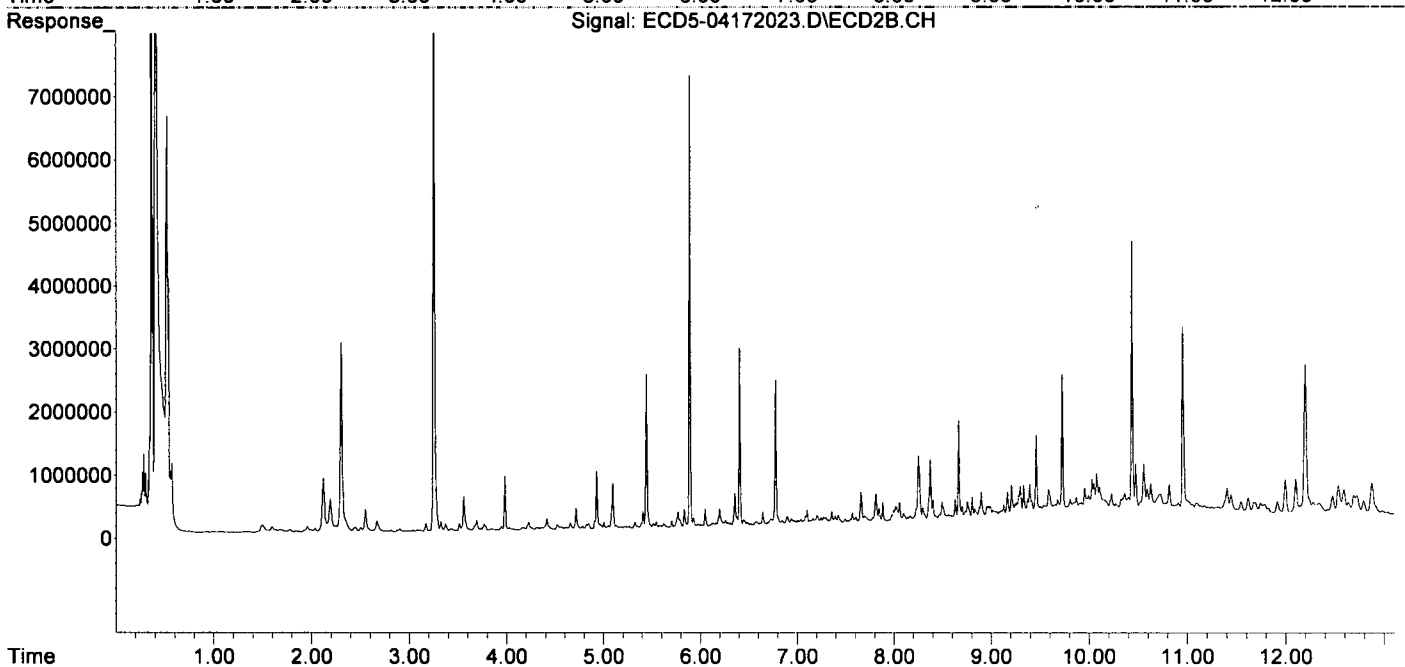
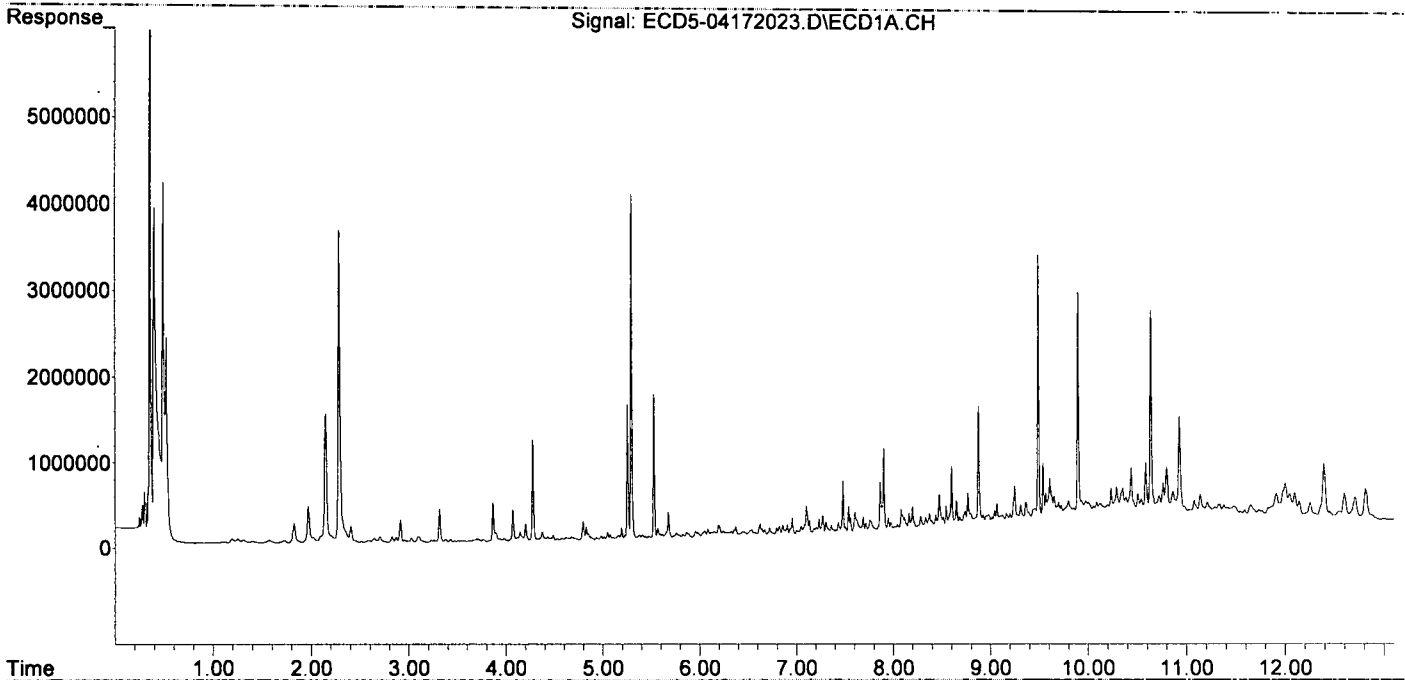
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|--------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.293 | 5.890 | 3992971 | 7122513 | 20.668 | 24.917 |
| 2) S DCBP (S) | 9.489 | 10.438 | 3197028 | 4368817 | 21.351 | 25.725 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.490 | 38633 | 47399 | 0.147 | 0.117 |
| 3) g-BHC | 6.116 | 6.848f | 50172 | 70876 | 0.219 | 0.200 |
| 4) b-BHC | 6.195 | 6.897 | 133763 | 133484 | 1.398 | 0.890 # |
| 5) Heptachlor | 6.537 | 7.206 | 68488 | 140748 | 0.307 | 0.420 # |
| 6) d-BHC | 6.324f | 7.133 | 61287 | 58239 | 0.314 | 0.178 # |
| 7) Aldrin | 6.793f | 7.495f | 89003 | 77114 | 0.401 | 0.237 # |
| 8) Heptachlo... | 7.230 | 7.884 | 172830 | 326426 | 0.843 | 1.097 # |
| 9) trans-Chl... | 7.302f | 8.028 | 141525 | 256735 | 0.679 | 0.847 |
| 10) cis-Chlor... | 7.431 | 8.143 | 126804 | 87515 | 0.619 | 0.302 # |
| 11) Endosulfa... | 7.537 | 8.166f | 314401 | 101638 | 1.626 | 0.374 # |
| 12) 4,4'-DDE | 7.478 | 8.251 | 617963 | 1060814 | 3.135 | 3.705 |
| 13) Dieldrin | 7.687 | 8.401 | 187540 | 357014 | 0.883 | 1.200 # |
| 14) Endrin | 7.863 | 8.629 | 590493 | 356696 | 3.455 | 1.558 # |
| 15) 4,4'-DDD | 7.900 | 8.666 | 981041 | 1589048 | 6.003 | 6.604 |
| 16) Endosulfa... | 8.008 | 8.755 | 63134 | 321173 | 0.377 | 1.339 # |
| 17) 4,4'-DDT | 8.114 | 8.897 | 171886 | 461747 | 1.390 | 2.900 # |
| 18) Endrin Al... | 8.281f | 9.019 | 182653 | 173001 | 1.248 | 0.832 # |
| 19) Endosulfa... | 8.598 | 9.208 | 751136 | 561347 | 4.568 | 2.465 # |
| 20) Methoxychlor | 8.434 | 9.373 | 197827 | 346045 | 2.901 | 4.044 # |
| 21) Endrin Ke... | 8.793 | 9.588 | 198768 | 487391 | 1.041 | 1.955 # |
| 23) Hexachlor... | 3.099 | 3.556f | 68557 | 549150 | 0.099 | 1.310 # |
| 24) Hexachlor... | 5.674 | 6.357 | 297194 | 519420 | 1.370 | 1.636 |
| 25) Oxychlordane | 7.179f | 7.813 | 70953 | 471122 | 0.163 | 1.670 # |
| 26) 2,4'-DDE | 7.230 | 8.028 | 172830 | 256735 | 1.222 | 1.204 |
| 27) trans-Non... | 7.404 | 8.097 | 42015 | 152003 | BelowCal | 0.320 |
| 28) 2,4'-DDD | 7.602 | 8.401 | 247679 | 357014 | 2.057 | 1.940 |
| 29) 2,4'-DDT | 7.775 | 8.629 | 105990 | 356696 | 0.866m | 2.372 # 1.01 |
| 30) cis-Nonac... | 7.900 | 8.666 | 981041 | 1589048 | 4.624 | 5.279 |
| 31) Mirex | 8.541 | 9.588 | 295229 | 487391 | 1.855 | 2.437 # |
| 32) Chlordane... | 7.357 | 8.057 | 99787 | 322876 | 4.275 | 8.194 # |
| 33) Chlordane... | 7.478f | 8.166 | 617963 | 101638 | 23.273 | 3.104 # |
| 34) Chlordane... | 8.008 | 8.832 | 63134 | 204806 | 8.685 | 20.014 # |
| 35) Chlordane... | 3.664 | 3.613f | 20679 | 29857 | NoCal | NoCal |
| 36) Toxaphene... | 7.478 | 8.427 | 617963 | 102956 | 594.657 | 36.608 # |
| 37) Toxaphene... | 7.755 | 8.755f | 149955 | 321173 | 77.666 | 89.860 |
| 38) Toxaphene... | 8.079 | 8.804 | 264113 | 388837 | 64.788 | 69.640 |
| 39) Toxaphene... | 8.281f | 8.878 | 182653 | 232162 | 46.499 | 24.142 # |
| 40) Toxaphene... | 8.541 | 9.057 | 295229 | 150526 | 96.245 | 30.461 # |
| 41) Toxaphene... | 8.598 | 9.461f | 751136 | 1344302 | 187.517 | 248.736 # |
| 42) Toxaphene... | 3.664 | 3.690f | 20679 | 158800 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 18:06
Operator : MJB
Sample : A0D0212-02RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 15:01:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

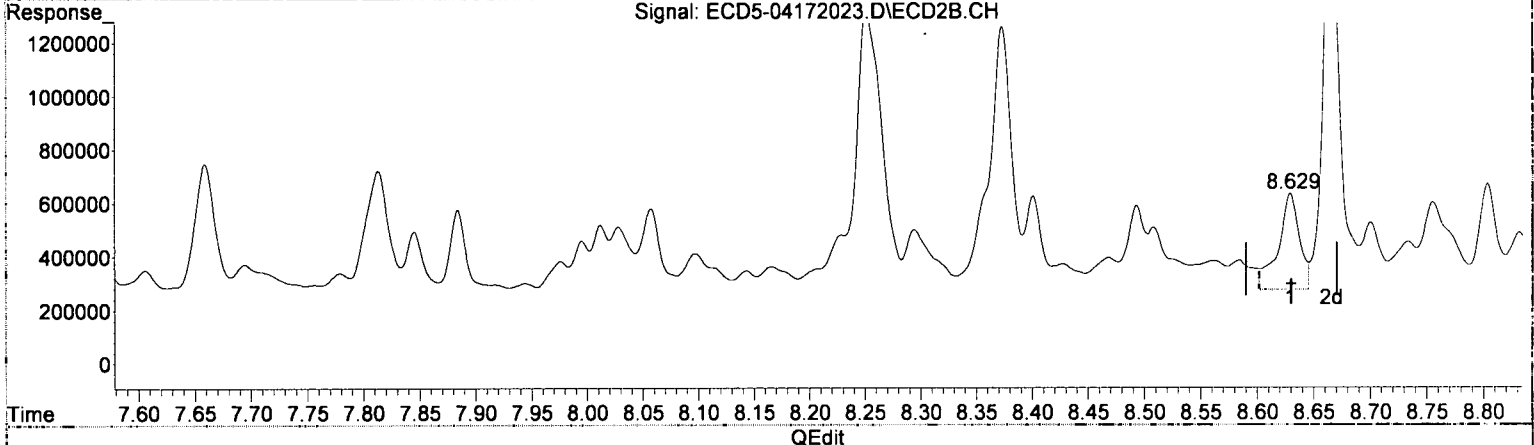
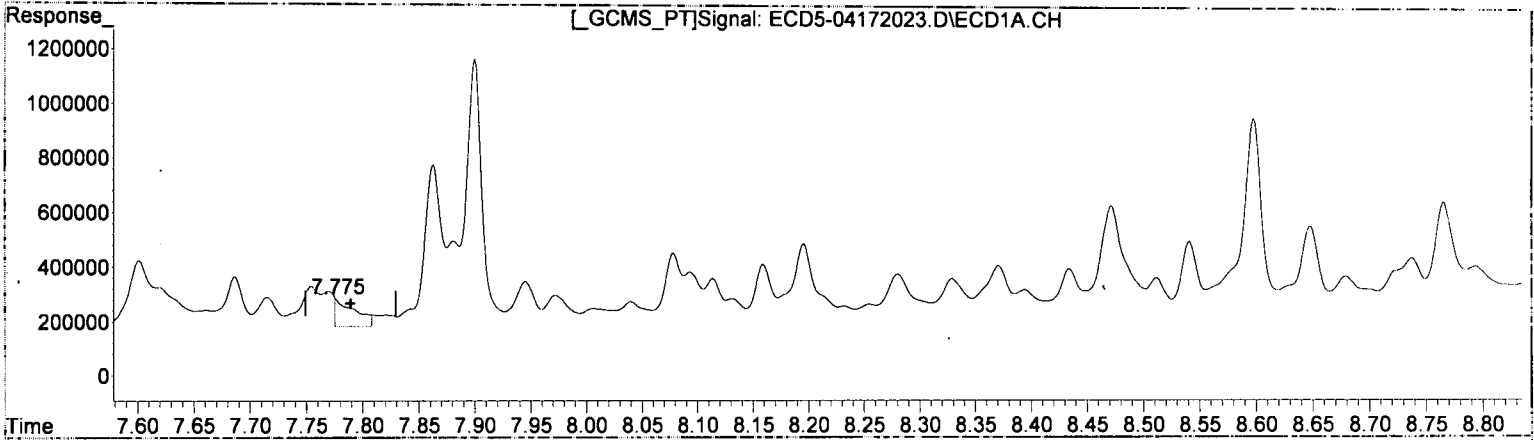


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 18:06
 Operator : MJB
 Sample : A0D0212-02RE2@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
 7.775min 0.866 ng/mL
 response 105990

MJB 4/2020

(29) 2,4'-DDT #2
 8.629min 2.372 ng/mL
 response 356696

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 18:06
 Operator : MJB
 Sample : A0D0212-02RE2@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

(MJB)
 MJB
 4/20/20

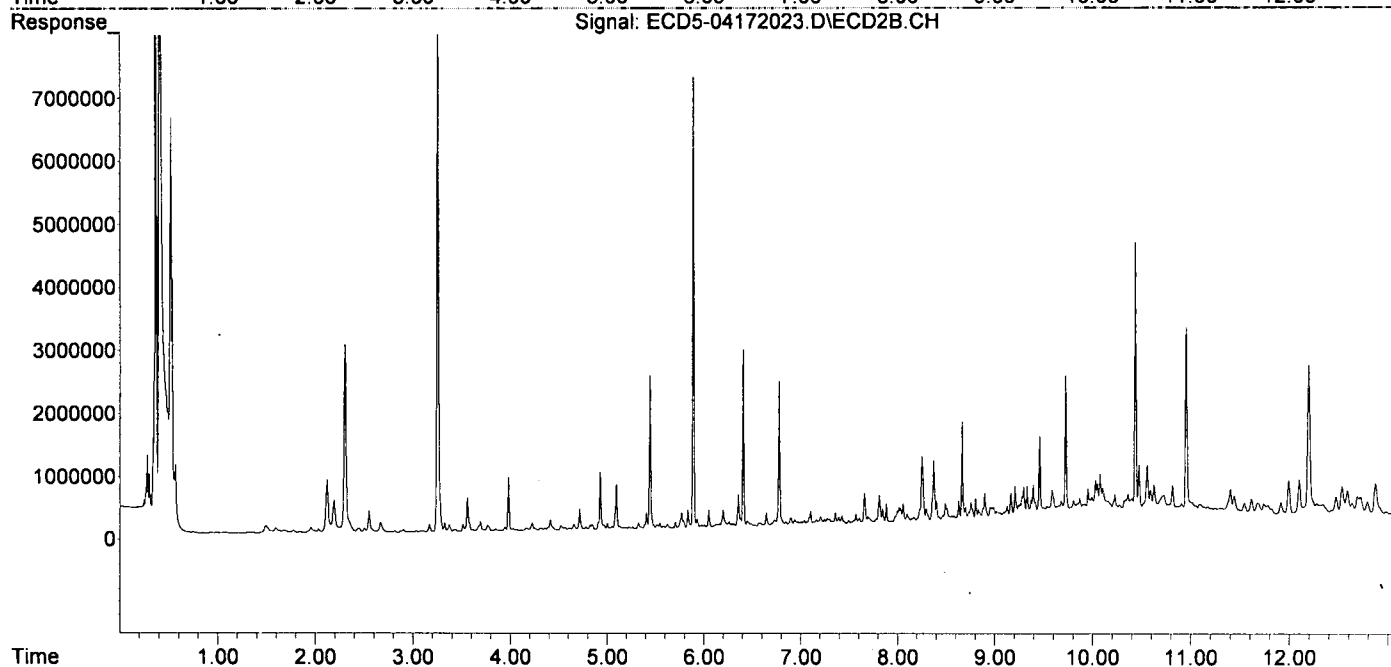
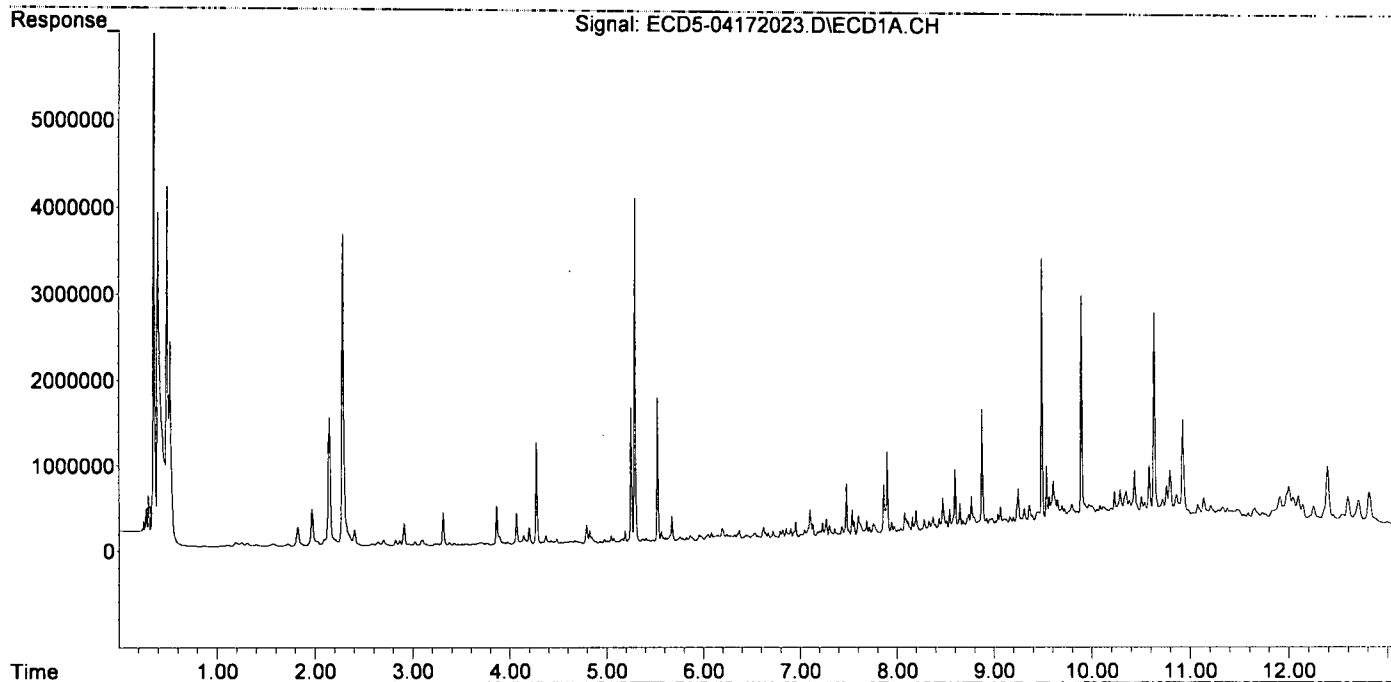
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.293 | 5.890 | 3992971 | 7122513 | 20.668 | 24.917 |
| 22) S DCBP (S) | 9.489 | 10.438 | 3197028 | 4368817 | 21.351 | 25.725 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.490 | 38633 | 47399 | 0.147 | 0.117 |
| 3) g-BHC | 6.116 | 6.848f | 50172 | 70876 | 0.219 | 0.200 |
| 4) b-BHC | 6.195 | 6.897 | 133763 | 133484 | 1.398 | 0.890 # |
| 5) Heptachlor | 6.537 | 7.206 | 68488 | 140748 | 0.307 | 0.420 # |
| 6) d-BHC | 6.324f | 7.133 | 61287 | 58239 | 0.314 | 0.178 # |
| 7) Aldrin | 6.793f | 7.495f | 89003 | 77114 | 0.401 | 0.237 # |
| 8) Heptachlo... | 7.230 | 7.884 | 172830 | 326426 | 0.843 | 1.097 # |
| 9) trans-Chl... | 7.302f | 8.028 | 141525 | 256735 | 0.679 | 0.847 |
| 10) cis-Chlor... | 7.431 | 8.143 | 126804 | 87515 | 0.619 | 0.302 # |
| 11) Endosulfa... | 7.537 | 8.166f | 314401 | 101638 | 1.626 | 0.374 # |
| 12) 4,4'-DDE | 7.478 | 8.251 | 617963 | 1060814 | 3.135 | 3.705 |
| 13) Dieldrin | 7.687 | 8.401 | 187540 | 357014 | 0.883 | 1.200 # |
| 14) Endrin | 7.863 | 8.629 | 590493 | 356696 | 3.455 | 1.558 # |
| 15) 4,4'-DDD | 7.900 | 8.666 | 981041 | 1589048 | 6.003 | 6.604 |
| 16) Endosulfa... | 8.008 | 8.755 | 63134 | 321173 | 0.377 | 1.339 # |
| 17) 4,4'-DDT | 8.114 | 8.897 | 171886 | 461747 | 1.390 | 2.900 # |
| 18) Endrin Al... | 8.281f | 9.019 | 182653 | 173001 | 1.248 | 0.832 # |
| 19) Endosulfa... | 8.598 | 9.208 | 751136 | 561347 | 4.568 | 2.465 # |
| 20) Methoxychlor | 8.434 | 9.373 | 197827 | 346045 | 2.901 | 4.044 # |
| 21) Endrin Ke... | 8.793 | 9.588 | 198768 | 487391 | 1.041 | 1.955 # |
| 23) Hexachlor... | 3.099 | 3.556f | 68557 | 549150 | 0.099 | 1.310 # |
| 24) Hexachlor... | 5.674 | 6.357 | 297194 | 519420 | 1.370 | 1.636 |
| 25) Oxychlorane | 7.179f | 7.813 | 70953 | 471122 | 0.163 | 1.670 # |
| 26) 2,4'-DDE | 7.230 | 8.028 | 172830 | 256735 | 1.222 | 1.204 |
| 27) trans-Non... | 7.404 | 8.097 | 42015 | 152003 | BelowCal | 0.320 |
| 28) 2,4'-DDD | 7.602 | 8.401 | 247679 | 357014 | 2.057 | 1.940 |
| 29) 2,4'-DDT | 7.755f | 8.629 | 149955 | 356696 | 1.308 | 2.372 # |
| 30) cis-Nonac... | 7.900 | 8.666 | 981041 | 1589048 | 4.624 | 5.279 |
| 31) Mirex | 8.541 | 9.588 | 295229 | 487391 | 1.855 | 2.437 # |
| 32) Chlordane... | 7.357 | 8.057 | 99787 | 322876 | 4.275 | 8.194 # |
| 33) Chlordane... | 7.478f | 8.166 | 617963 | 101638 | 23.273 | 3.104 # |
| 34) Chlordane... | 8.008 | 8.832 | 63134 | 204806 | 8.685 | 20.014 # |
| 35) Chlordane... | 3.664 | 3.613f | 20679 | 29857 | NoCal | NoCal |
| 36) Toxaphene... | 7.478 | 8.427 | 617963 | 102956 | 594.657 | 36.608 # |
| 37) Toxaphene... | 7.755 | 8.755f | 149955 | 321173 | 77.666 | 89.860 |
| 38) Toxaphene... | 8.079 | 8.804 | 264113 | 388837 | 64.788 | 69.640 |
| 39) Toxaphene... | 8.281f | 8.878 | 182653 | 232162 | 46.499 | 24.142 # |
| 40) Toxaphene... | 8.541 | 9.057 | 295229 | 150526 | 96.245 | 30.461 # |
| 41) Toxaphene... | 8.598 | 9.461f | 751136 | 1344302 | 187.517 | 248.736 # |
| 42) Toxaphene... | 3.664 | 3.690f | 20679 | 158800 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 18:06
Operator : MJB
Sample : A0D0212-02RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 18:44
 Operator : MJB
 Sample : 0D17030-CCV5
 Misc : A20C184, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

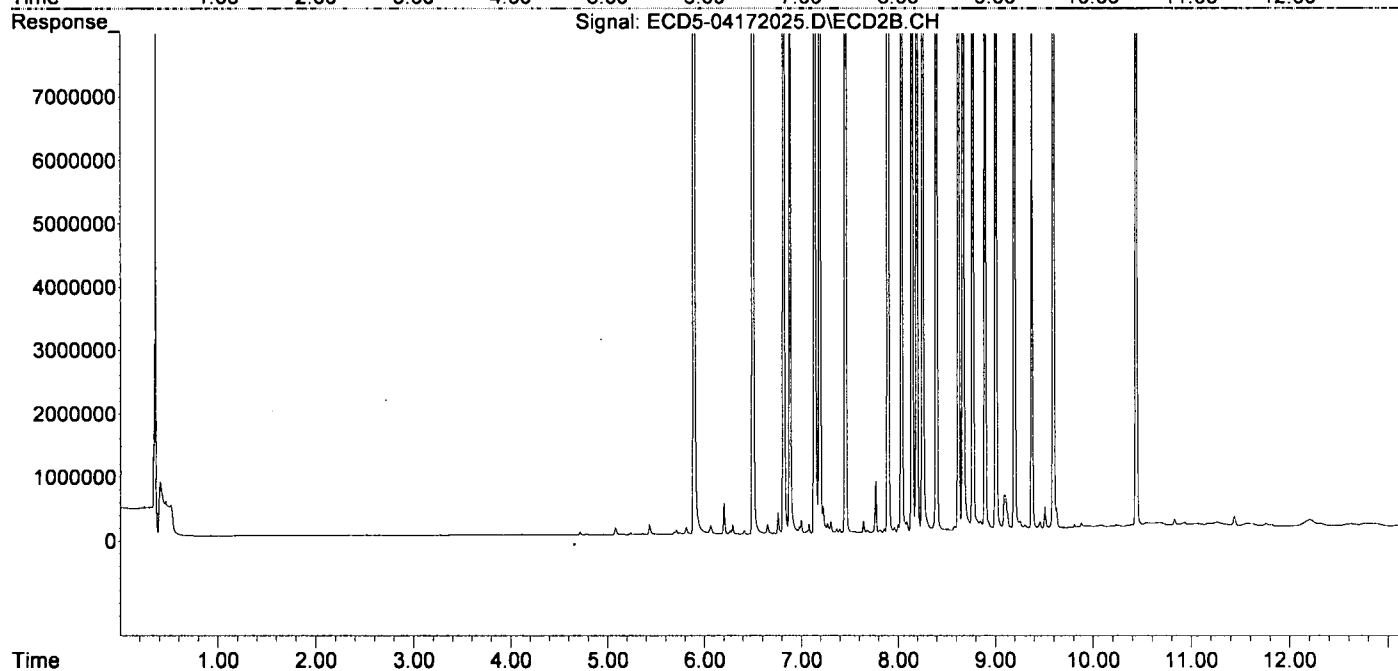
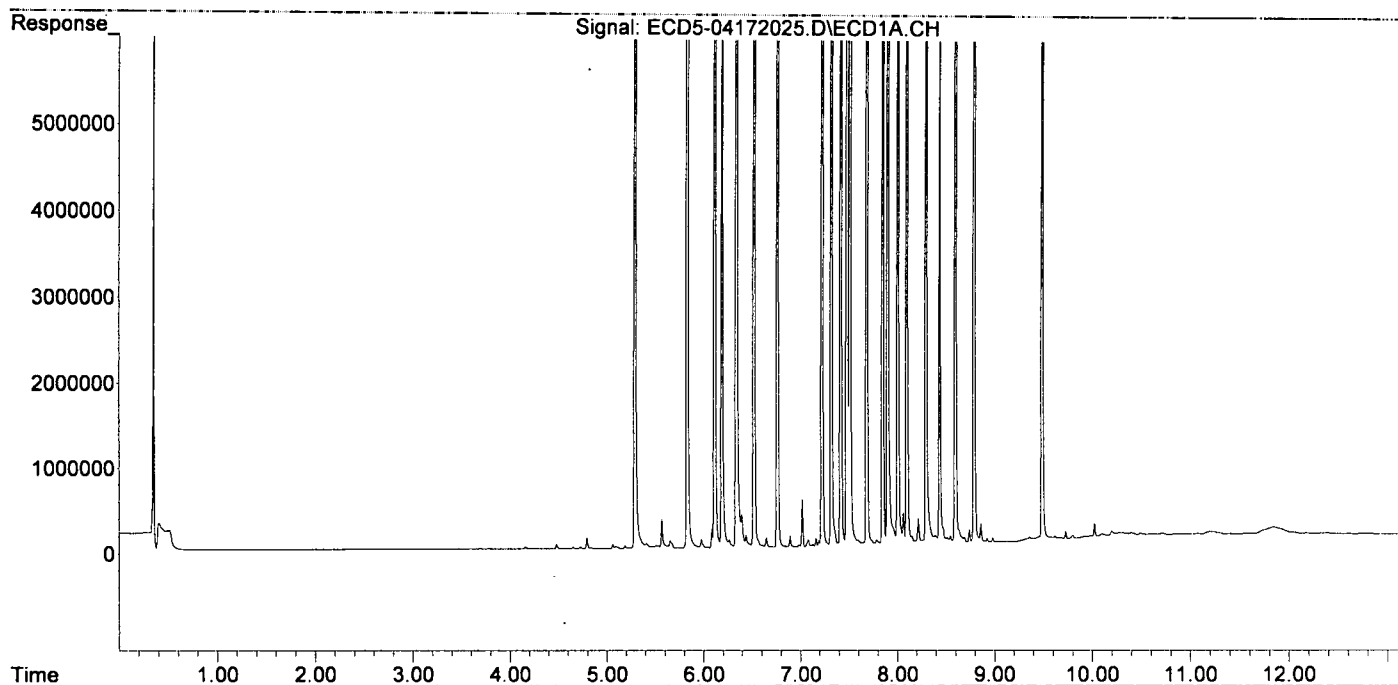
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.293 | 5.891 | 18373624 | 29903606 | 95.104 | 104.613 |
| 22) S DCBP (S) | 9.491 | 10.439 | 14954585 | 19362037 | 100.390 | 114.009 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.832 | 6.500 | 26309675 | 45855310 | 99.966 | 113.166 |
| 3) g-BHC | 6.115 | 6.818 | 22414111 | 40443939 | 97.987 | 114.324 |
| 4) b-BHC | 6.191 | 6.882 | 8919305 | 15210994 | 93.230 | 101.384 |
| 5) Heptachlor | 6.523 | 7.191 | 21628556 | 37246208 | 97.083 | 111.134 |
| 6) d-BHC | 6.339 | 7.137 | 19755970 | 36146425 | 101.248 | 110.691 |
| 7) Aldrin | 6.764 | 7.456 | 22239920 | 37312491 | 100.169 | 114.498 |
| 8) Heptachlo... | 7.226 | 7.895 | 19708781 | 32851148 | 96.164 | 110.369 |
| 9) trans-Chl... | 7.320 | 8.035 | 20515670 | 33231326 | 98.415 | 109.693 |
| 10) cis-Chlor... | 7.418 | 8.143 | 19705030 | 32193701 | 96.223 | 110.946 |
| 11) Endosulfa... | 7.515 | 8.192 | 18493869 | 30473395 | 95.655 | 112.151 |
| 12) 4,4'-DDE | 7.482 | 8.253 | 20152091 | 33353366 | 102.237 | 116.481 |
| 13) Dieldrin | 7.687 | 8.394 | 20981363 | 35081786 | 98.754 | 117.917 |
| 14) Endrin | 7.851 | 8.621 | 17051366 | 25536684 | 99.756 | 111.523 |
| 15) 4,4'-DDD | 7.903 | 8.668 | 15921926 | 27785469 | 97.423 | 115.477 |
| 16) Endosulfa... | 8.007 | 8.768 | 15967564 | 25862766 | 95.302 | 107.806 |
| 17) 4,4'-DDT | 8.100 | 8.894 | 13806911 | 21455961 | 96.811 | 101.383 |
| 18) Endrin Al... | 8.298 | 9.005 | 13225710 | 22100787 | 90.357 | 106.252 |
| 19) Endosulfa... | 8.600 | 9.196 | 15396146 | 24167004 | 93.631 | 106.138 |
| 20) Methoxychlor | 8.438 | 9.374 | 6635047 | 10336203 | 93.297 | 100.675 |
| 21) Endrin Ke... | 8.793 | 9.594 | 18423840 | 28162082 | 96.476 | 112.956 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.656f | 0.000 | 88552 | 0 | 0.213 | N.D. # |
| 25) Oxychlorane | 7.161 | 7.824 | 95958 | 28350 | 0.311 | BelowCal # |
| 26) 2,4'-DDE | 7.226 | 8.035 | 19708781 | 33231326 | 155.491 | 157.609 |
| 27) trans-Non... | 7.418 | 8.089 | 19705030 | 154852 | 103.361 | 0.330 # |
| 28) 2,4'-DDD | 0.000 | 8.394 | 0 | 35081786 | N.D. | 186.349 # |
| 29) 2,4'-DDT | 7.786 | 8.621 | 62389 | 25536684 | 0.426 | 141.026 # |
| 30) cis-Nonac... | 7.903f | 8.668 | 15921926 | 27785469 | 77.189 | 88.190 |
| 31) Mirex | 8.547 | 9.594 | 87627 | 28162082 | 0.268 | 150.274 # |
| 32) Chlordane... | 0.000 | 8.089 | 0 | 154852 | N.D. | 3.930 # |
| 33) Chlordane... | 7.482f | 8.192 | 20152091 | 30473395 | 758.957 | 930.521 |
| 34) Chlordane... | 8.007 | 8.846 | 15967564 | 136506 | 2196.467 | 13.339 # |
| 35) Chlordane... | 3.695f | 0.000 | 5238 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.482f | 8.394f | 20152091 | 35081786 | 19392.094 | 12474.026 # |
| 37) Toxaphene... | 7.786f | 8.768 | 62389 | 25862766 | 30.797 | 7236.109 # |
| 38) Toxaphene... | 8.063 | 8.846f | 373744 | 136506 | 91.681 | 24.448 # |
| 39) Toxaphene... | 8.298 | 8.894 | 13225710 | 21455961 | 3366.921 | 2272.309 # |
| 40) Toxaphene... | 8.547 | 9.092f | 87627 | 546905 | 28.566 | 110.672 # |
| 41) Toxaphene... | 8.600 | 9.458 | 15396146 | 106517 | 3843.562 | 19.709 # |
| 42) Toxaphene... | 3.695f | 0.000 | 5238 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 18:44
Operator : MJB
Sample : 0D17030-CCV5
Misc : A20C184, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 19:01
 Operator : MJB
 Sample : 0D17030-CCV6
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:41 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

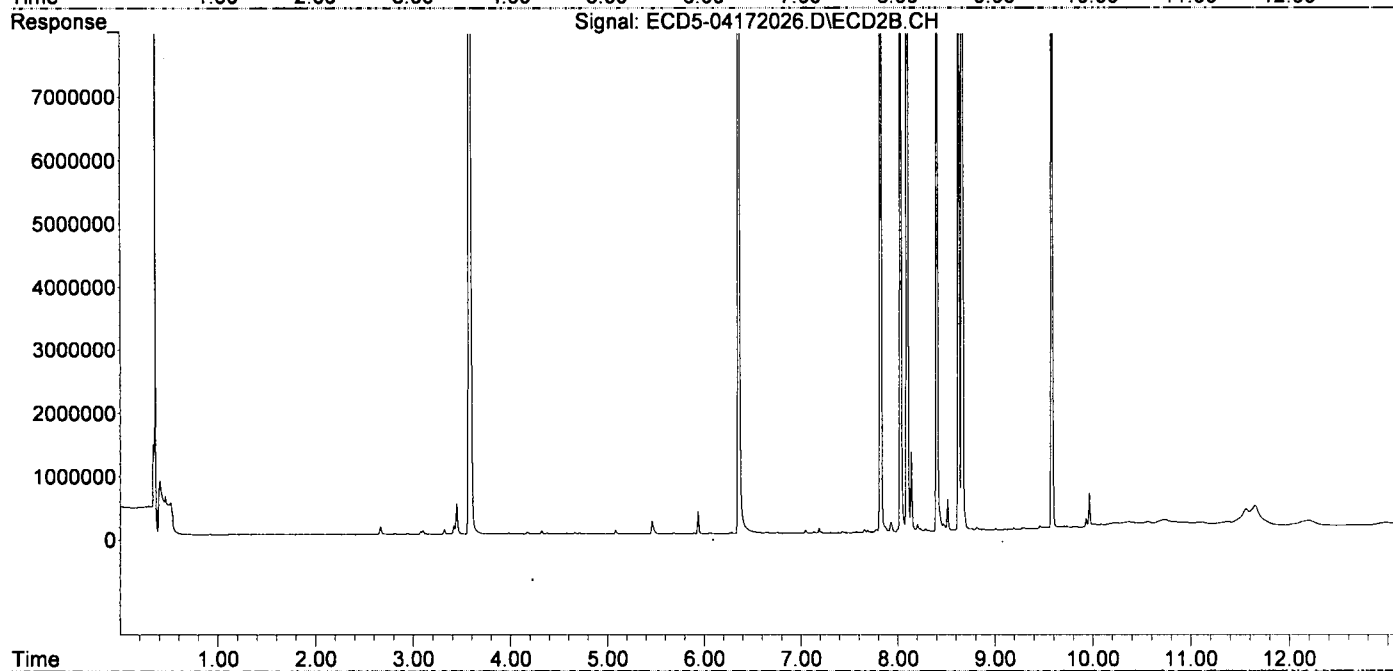
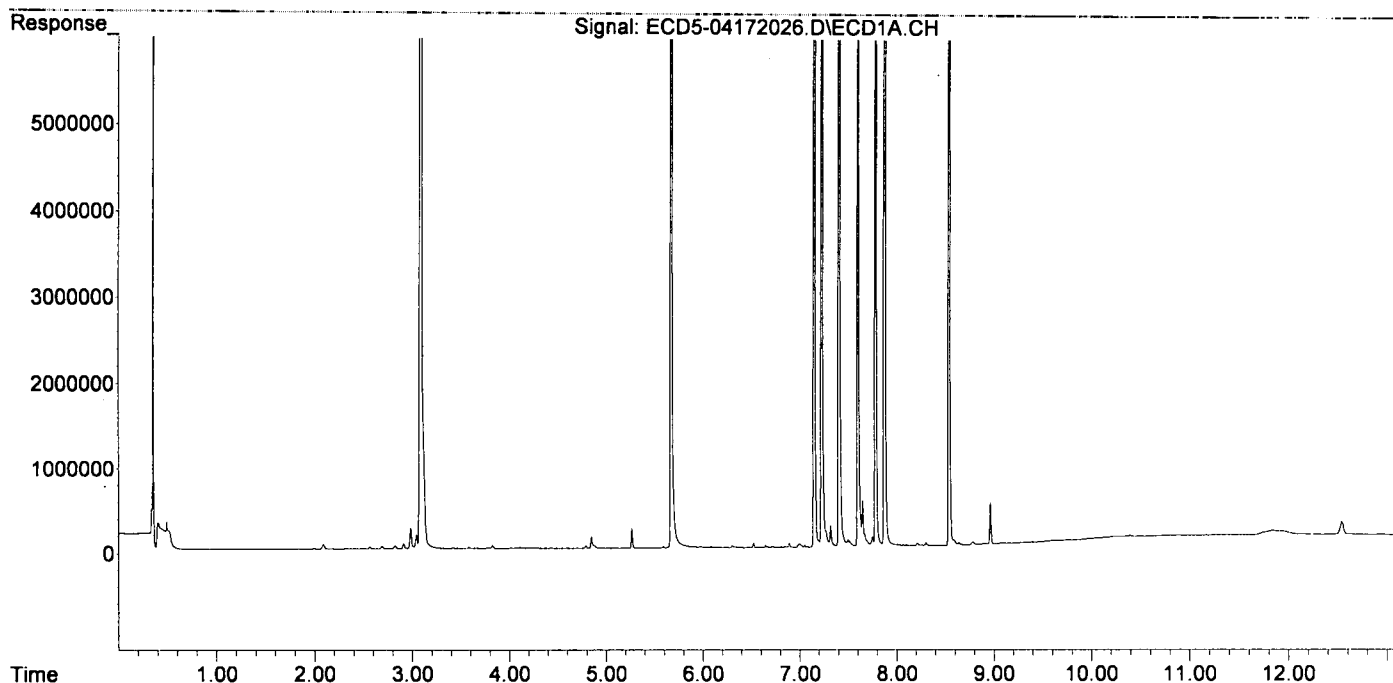
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.265f | 5.897 | 237534 | 9286 | 1.230 | 0.032 # |
| 22) | S DCBP (S) | 0.000 | 10.449 | 0 | 32296 | N.D. | 0.190 # |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) | g-BHC | 6.085f | 6.853f | 17763 | 6134 | 0.078 | 0.017 # |
| 4) | b-BHC | 6.166f | 6.853f | 7169 | 6134 | 0.075 | 0.041 # |
| 5) | Heptachlor | 6.522 | 7.189 | 56419 | 84732 | 0.253 | 0.253 |
| 6) | d-BHC | 6.340 | 7.137 | 12487 | 27003 | 0.064 | 0.083 # |
| 7) | Aldrin | 0.000 | 7.476 | 0 | 7621 | N.D. | 0.023 # |
| 8) | Heptachlo... | 7.230 | 7.874f | 12281112 | 85329 | 59.923 | 0.287 # |
| 9) | trans-Chl... | 7.320 | 8.029 | 251771 | 21248613 | 1.208 | 70.139 # |
| 10) | cis-Chlor... | 7.408 | 8.141 | 19486112 | 1252512 | 95.154 | 4.316 # |
| 11) | Endosulfa... | 7.497f | 8.204 | 85728 | 118524 | 0.443 | 0.436 |
| 12) | 4,4'-DDE | 7.497 | 8.285f | 85728 | 37493 | 0.435 | 0.131 # |
| 13) | Dieldrin | 0.000 | 8.403 | 0 | 18788630 | N.D. | 63.152 # |
| 14) | Endrin | 7.879f | 8.627 | 20715540 | 17445847 | 121.193 | 76.189 # |
| 15) | 4,4'-DDD | 7.879f | 8.664 | 20715540 | 34603649 | 126.754 | 143.813 |
| 16) | Endosulfa... | 8.008 | 8.767 | 19563 | 28487 | 0.117 | 0.119 |
| 17) | 4,4'-DDT | 8.101 | 8.893 | 12203 | 14395 | 0.082 | 0.144 # |
| 18) | Endrin Al... | 8.303 | 9.006 | 31416 | 28246 | 0.215 | 0.136 # |
| 19) | Endosulfa... | 8.644f | 9.195 | 32386 | 29826 | 0.197 | 0.131 # |
| 20) | Methoxychlor | 0.000 | 9.374 | 0 | 5051 | N.D. | BelowCal |
| 21) | Endrin Ke... | 8.788 | 9.585 | 28031 | 19308962 | 0.147 | 77.447 # |
| 23) | Hexachlor... | 3.088 | 3.577 | 19311891 | 41714405 | 103.712 | 111.000 |
| 24) | Hexachlor... | 5.674 | 6.358 | 18188877 | 30955193 | 99.074 | 103.285 |
| 25) | Oxychlorane | 7.153 | 7.824 | 16757364 | 28113608 | 98.709 | 104.857 |
| 26) | 2,4'-DDE | 7.230 | 8.029 | 12281112 | 21248613 | 98.613 | 105.644 |
| 27) | trans-Non... | 7.408 | 8.098 | 19486112 | 32194867 | 102.226 | 106.934 |
| 28) | 2,4'-DDD | 7.603 | 8.403 | 11043794 | 18788630 | 101.455 | 106.316 |
| 29) | 2,4'-DDT | 7.785 | 8.627 | 10708589 | 17445847 | 97.789 | 102.791 |
| 30) | cis-Nonac... | 7.879 | 8.664 | 20715540 | 34603649 | 99.951 | 107.839 |
| 31) | Mirex | 8.543 | 9.585 | 13002175 | 19308962 | 100.687 | 105.954 |
| 32) | Chlordane... | 0.000 | 8.098f | 0 | 32194867 | N.D. | 817.042 # |
| 33) | Chlordane... | 7.497f | 8.204f | 85728 | 118524 | 3.229 | 3.619 |
| 34) | Chlordane... | 8.008 | 8.849 | 19563 | 18390 | 2.691 | 1.797 # |
| 35) | Chlordane... | 3.664 | 0.000 | 4870 | 0 | NoCal | N.D. |
| 36) | Toxaphene... | 7.497f | 8.403f | 85728 | 18788630 | 82.495 | 6680.670 # |
| 37) | Toxaphene... | 7.751 | 8.767 | 113118 | 28487 | 57.917 | 7.970 # |
| 38) | Toxaphene... | 8.069 | 8.815 | 13132 | 48883 | 3.221 | 8.755 # |
| 39) | Toxaphene... | 8.303 | 8.875 | 31416 | 17535 | 7.998 | BelowCal # |
| 40) | Toxaphene... | 8.543 | 0.000 | 13002175 | 0 | 4238.711 | N.D. # |
| 41) | Toxaphene... | 0.000 | 9.463f | 0 | 44733 | N.D. | 8.277 # |
| 42) | Toxaphene... | 3.664 | 0.000 | 4870 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 19:01
Operator : MJB
Sample : 0D17030-CCV6
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:41 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
 Data File : ECD5-04172027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Apr 2020 19:18
 Operator : MJB
 Sample : OD17030-CCB3
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 11:54:45 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/20/20

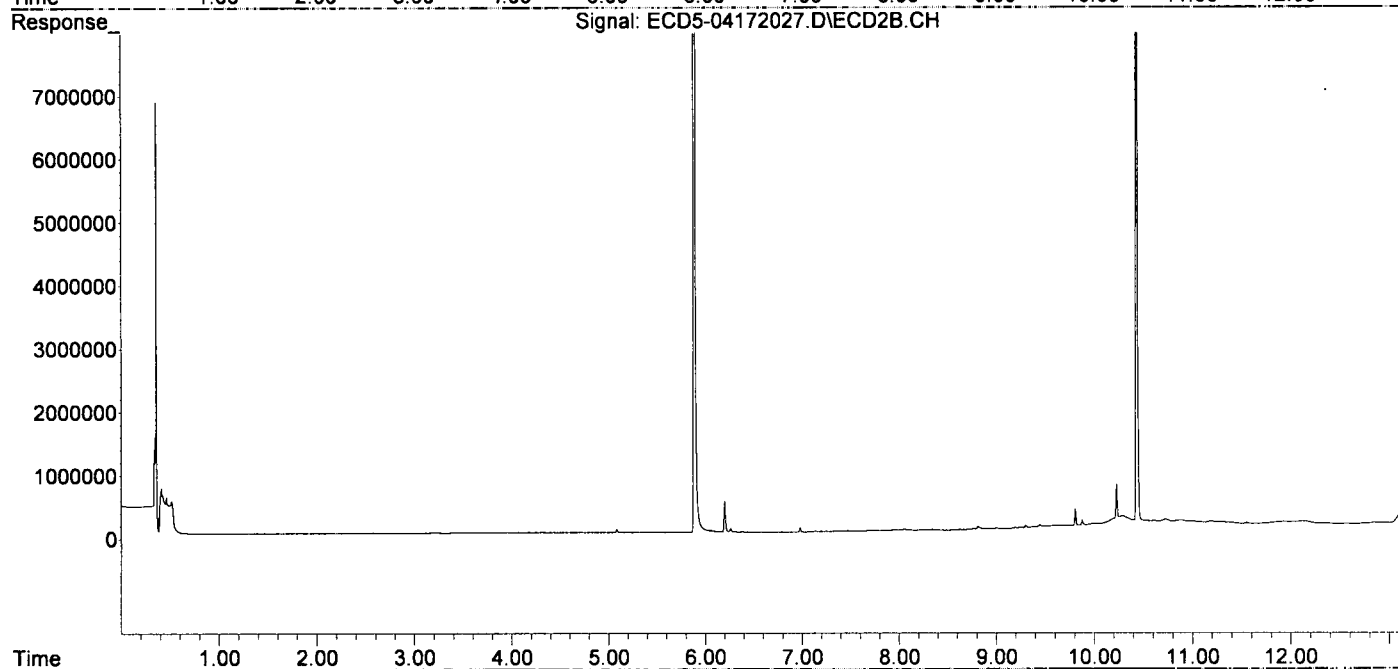
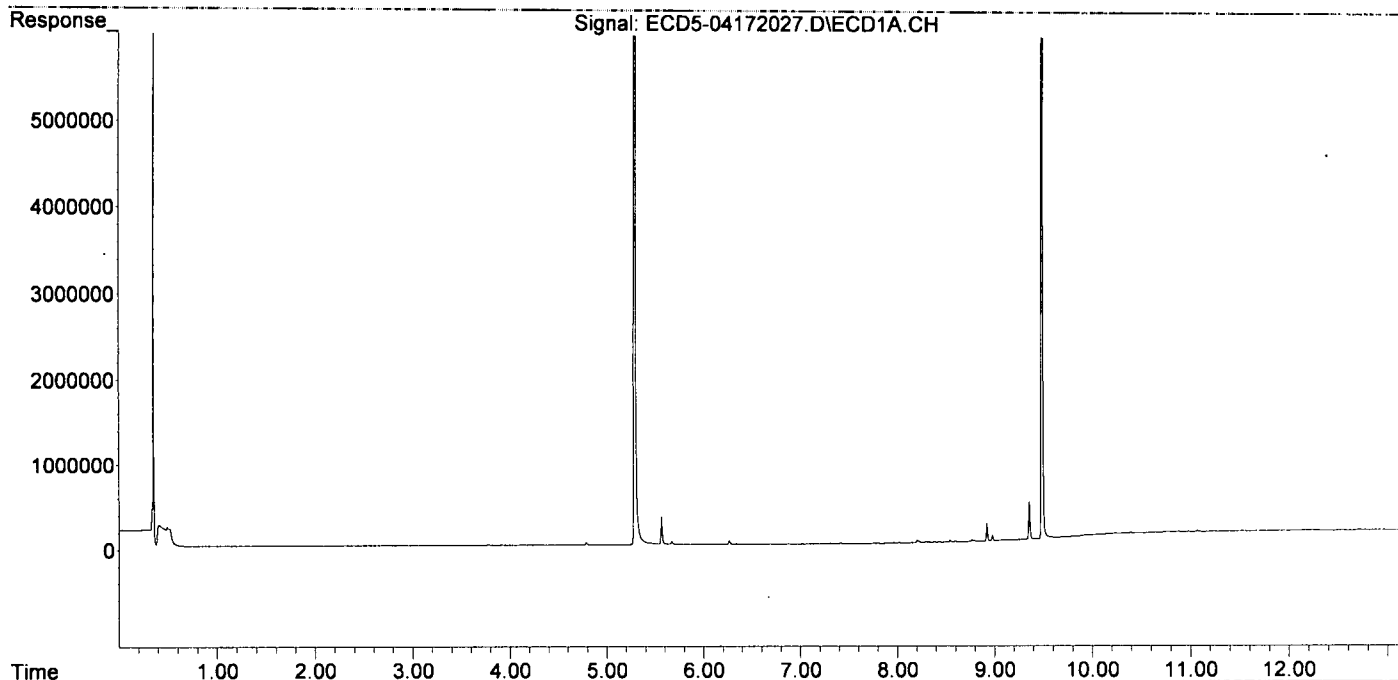
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 17800560 | 30172387 | 92.138 | 105.554 |
| 22) S DCBP (S) | 9.491 | 10.438 | 13317457 | 17853434 | 89.398 | 105.126 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.341 | 7.138 | 4992 | 11016 | 0.026 | 0.034 # |
| 7) Aldrin | 0.000 | 7.475 | 0 | 11110 | N.D. | 0.034 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.310 | 8.056 | 8956 | 14828 | 0.043 | 0.049 |
| 10) cis-Chlor... | 7.414 | 0.000 | 7835 | 0 | 0.038 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.468 | 0.000 | 5201 | 0 | 0.026 | N.D. # |
| 13) Dieldrin | 7.689 | 0.000 | 2488 | 0 | 0.012 | N.D. # |
| 14) Endrin | 7.893f | 8.633 | 3502 | 6050 | 0.020 | 0.026 # |
| 15) 4,4'-DDD | 7.918 | 8.665 | 6855 | 2635 | 0.042 | 0.011 # |
| 16) Endosulfa... | 8.024 | 8.774 | 6527 | 12043 | 0.039 | 0.050 # |
| 17) 4,4'-DDT | 8.103 | 8.913 | 919 | 5938 | BelowCal | 0.091 |
| 18) Endrin Al... | 8.299 | 9.004 | 11490 | 13385 | 0.078 | 0.064 |
| 19) Endosulfa... | 8.601 | 9.195 | 13728 | 13733 | 0.083 | 0.060 # |
| 20) Methoxychlor | 8.438 | 9.378 | 11183 | 4047 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.795 | 9.591 | 12838 | 13834 | 0.067 | 0.055 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.674 | 0.000 | 36981 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.056f | 0 | 14828 | N.D. | BelowCal |
| 27) trans-Non... | 7.414 | 8.095 | 7835 | 5544 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.807 | 8.633 | 2188 | 6050 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.893 | 8.665 | 3502 | 2635 | BelowCal | BelowCal |
| 31) Mirex | 8.546 | 9.591 | 25027 | 13834 | 5765.166 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.056 | 0 | 14828 | N.D. | 0.376 # |
| 33) Chlordane... | 7.468 | 0.000 | 5201 | 0 | 0.196 | N.D. # |
| 34) Chlordane... | 8.024 | 8.837 | 6527 | 21567 | 0.898 | 2.108 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.468 | 0.000 | 5201 | 0 | 5.005 | N.D. # |
| 37) Toxaphene... | 7.763 | 8.774 | 6157 | 12043 | 0.838 | 3.369 # |
| 38) Toxaphene... | 8.024f | 8.813 | 6527 | 47059 | 1.601 | 8.428 # |
| 39) Toxaphene... | 8.299 | 8.913f | 11490 | 5938 | 2.925 | BelowCal # |
| 40) Toxaphene... | 8.546 | 0.000 | 25027 | 0 | 8.159 | N.D. # |
| 41) Toxaphene... | 8.601 | 9.445 | 13728 | 33843 | 3.427 | 6.262 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D17030\
Data File : ECD5-04172027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Apr 2020 19:18
Operator : MJB
Sample : 0D17030-CCB3
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 11:54:45 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Sequence 0D14043 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D14043**
Date: **04/14/20 11:14**

Instrument: **DUALECD5**
Calibration: **A0C2504**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D14043-BKD1 | Sediment | QC | QC | | | | A20C091 |
| 2 | 0D14043-CCV1 | Sediment | QC | QC | | | | A20C183 |
| 3 | 0D14043-CCV2 | Sediment | QC | QC | | | | A20C358 |
| 4 | 0D14043-CCB1 | Sediment | QC | QC | | | | A20C404 |
| 5 | 0040379-BLK1 | Sediment | QC | QC | | 0040379 | | |
| 6 | 0040379-BS1 | Sediment | QC | QC | | 0040379 | | |
| 7 | A0D0196-01RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 8 | 0040379-DUP1 | Sediment | QC | QC | | 0040379 | | |
| 9 | 0040379-MS1 | Sediment | QC | QC | | 0040379 | | |
| 10 | 0040379-MSD1 | Sediment | QC | QC | | 0040379 | | |
| 11 | 0D14043-CCV3 | Sediment | QC | QC | | | | A20C184 |
| 12 | 0D14043-CCV4 | Sediment | QC | QC | | | | A20C359 |
| 13 | 0D14043-CCB2 | Sediment | QC | QC | | | | A20C404 |
| 14 | A0D0196-02RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 15 | A0D0196-03RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 16 | A0D0196-04RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 17 | A0D0205-01RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 18 | A0D0205-02RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 19 | A0D0205-03RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 20 | A0D0205-04RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040379 | | |
| 21 | 0D14043-CCV5 | Sediment | QC | QC | | | | A20C183 |
| 22 | 0D14043-CCV6 | Sediment | QC | QC | | | | A20C358 |
| 23 | 0D14043-CCB3 | Sediment | QC | QC | | | | A20C404 |
| 24 | 0D14043-IBL1 | Sediment | QC | QC | | | | |
| 25 | 0D14043-IBL2 | Sediment | QC | QC | | | | |

Data Entered By: MJB 4/15/20

Comments:

Data Reviewed By: MJB 4/15/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D14043 BKD1
Data File: ECD5-04142003.D

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|-----------|-------------------|------|
| DDE | 1374051 | | |
| DDD | 13470032 | | |
| DDT | 125830014 | 10.55 | PASS |
| Endrin | 78461744 | 13.39 | PASS |
| Endrin Aldehyde | 3374441 | | |
| Endrin Ketone | 8757833 | | |

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|-----------|-------------------|------|
| DDE | 1462268 | | |
| DDD | 14505441 | | |
| DDT | 189544504 | 7.77 | PASS |
| Endrin | 111826856 | 10.44 | PASS |
| Endrin Aldehyde | 3786142 | | |
| Endrin Ketone | 9252208 | | |

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

*MB
4/14/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 12:05
 Operator : MJB
 Sample : 0D14043-BKD1
 Misc : A20C091
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 12:19:10 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|-----------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.525 | 1374051 | NoCal | ng/mL |
| 2) Endrin | 7.893 | 78461744 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.945 | 13470032 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.140 | 125830014 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.340 | 3374441 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.834 | 8757833 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.291 | 1462268 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.661 | 111826856 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.707 | 14505441 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.044 | 3786142 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.933 | 189544504 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.634 | 9252208 | NoCal | ng/mL |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

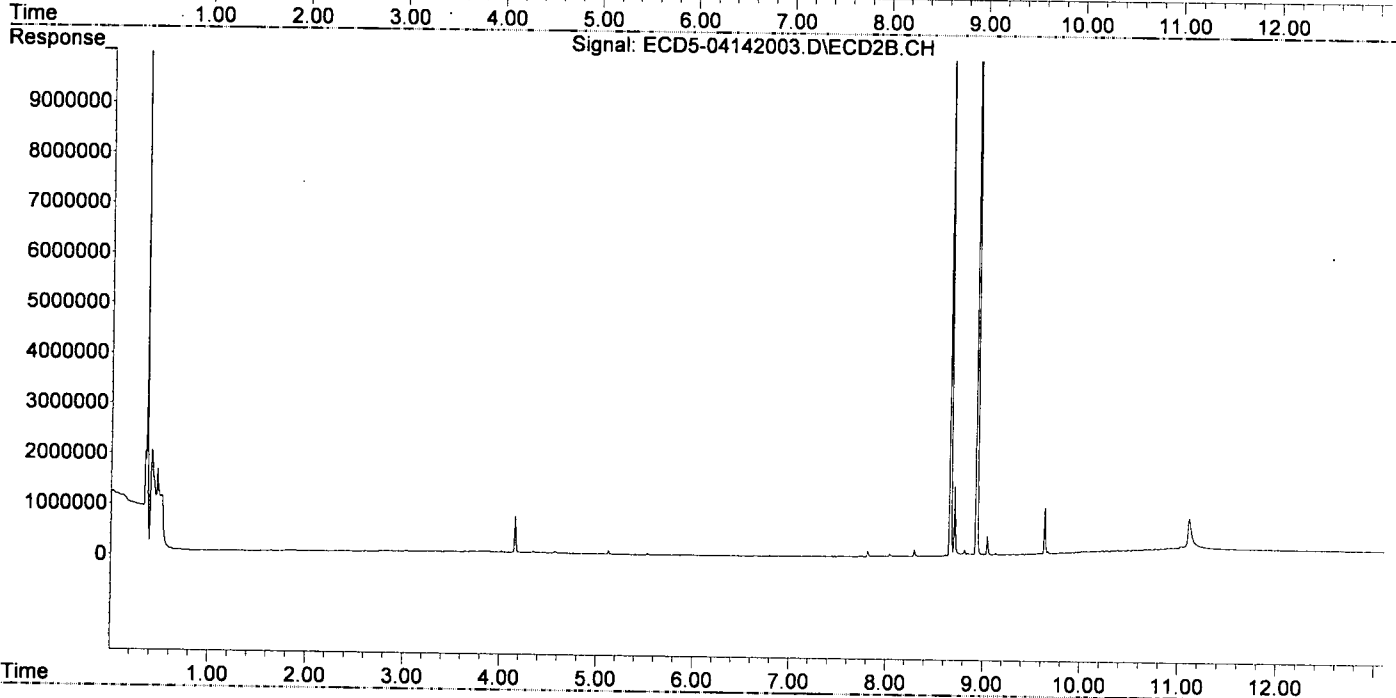
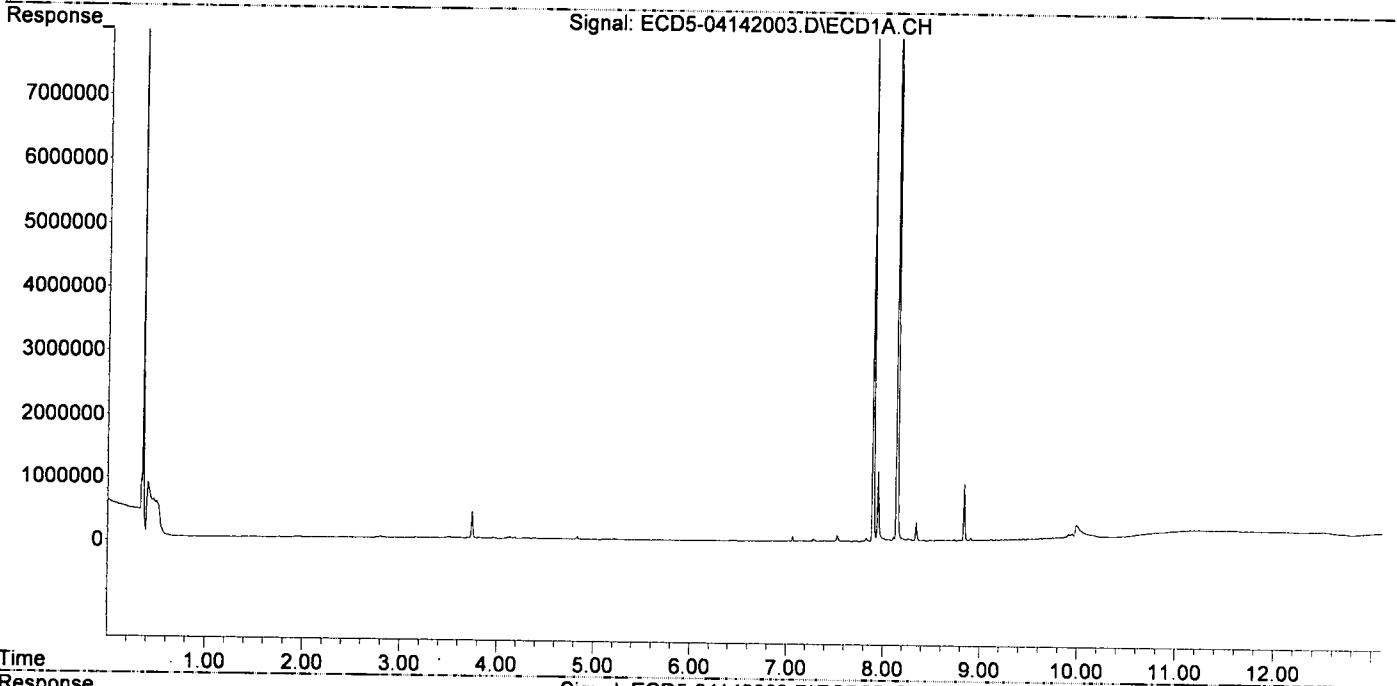
MJB
4/14/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:05
Operator : MJB
Sample : 0D14043-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 12:19:10 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 12:22
 Operator : MJB
 Sample : OD14043-CCV1
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 14:26:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/14/20

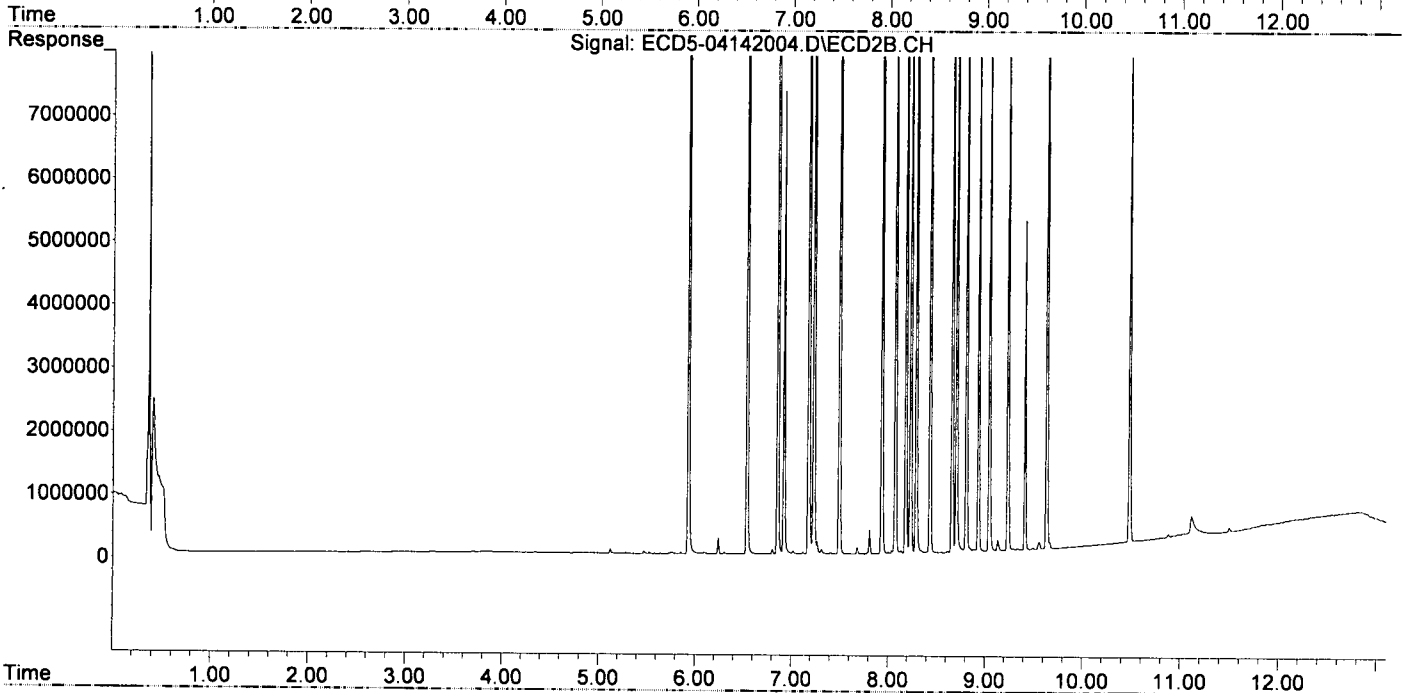
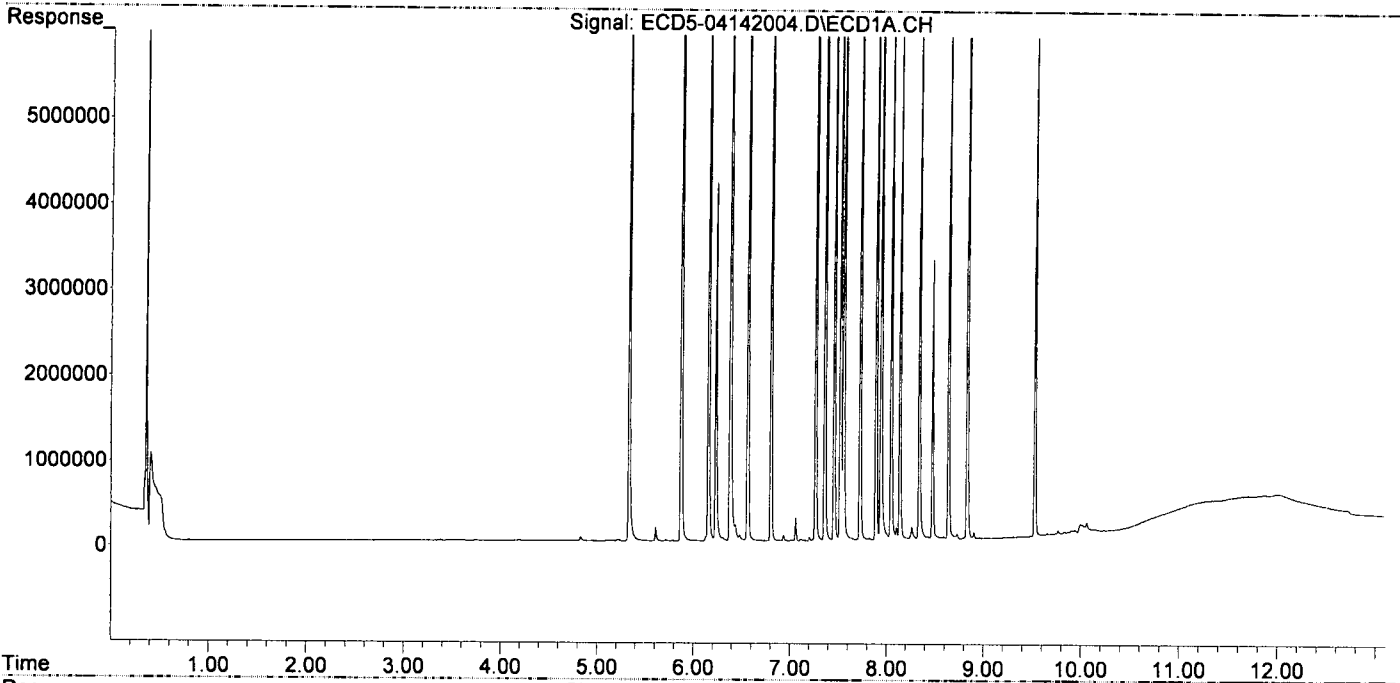
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.334 | 5.930 | 9022692 | 14175221 | 46.703 | 49.590 |
| 22) S DCBP (S) | 9.530 | 10.483 | 6898455 | 8753618 | 46.257 | 51.544 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.873 | 6.538 | 13000995 | 21573169 | 49.399 | 53.240 |
| 3) g-BHC | 6.156 | 6.856 | 11245999 | 18953121 | 49.164 | 53.575 |
| 4) b-BHC | 6.232 | 6.921 | 4179213 | 7322230 | 43.684 | 48.804 |
| 5) Heptachlor | 6.564 | 7.230 | 11038397 | 17974544 | 49.548 | 53.632 |
| 6) d-BHC | 6.381 | 7.175 | 8909558 | 17449302 | 45.661 | 53.435 |
| 7) Aldrin | 6.804 | 7.495 | 11019033 | 17225234 | 49.630 | 52.858 |
| 8) Heptachlo... | 7.266 | 7.934 | 9998003 | 14990816 | 48.783 | 50.364 |
| 9) trans-Chl... | 7.361 | 8.074 | 10400033 | 15570760 | 49.889 | 51.397 |
| 10) cis-Chlor... | 7.458 | 8.182 | 10017396 | 14528851 | 48.917 | 50.070 |
| 11) Endosulfa... | 7.556 | 8.231 | 9260752 | 13799610 | 47.899 | 50.787 |
| 12) 4,4'-DDE | 7.521 | 8.289 | 9586383 | 15551306 | 48.634 | 54.310 |
| 13) Dieldrin | 7.727 | 8.432 | 10577741 | 16121737 | 49.787 | 54.188 |
| 14) Endrin | 7.892 | 8.660 | 8411081 | 12237165 | 49.208 | 53.442 |
| 15) 4,4'-DDD | 7.943 | 8.705 | 8323984 | 13076934 | 50.933 | 54.348 |
| 16) Endosulfa... | 8.048 | 8.807 | 7866887 | 11928541 | 46.953 | 49.723 |
| 17) 4,4'-DDT | 8.139 | 8.931 | 6235208 | 9988267 | 47.241 | 53.303 |
| 18) Endrin Al... | 8.339 | 9.044 | 6950267 | 10279863 | 47.483 | 49.422 |
| 19) Endosulfa... | 8.641 | 9.234 | 7591286 | 11605857 | 46.166 | 50.971 |
| 20) Methoxychlor | 8.475 | 9.411 | 3265333 | 5198194 | 48.095 | 55.345 |
| 21) Endrin Ke... | 8.834 | 9.634 | 9160625 | 13780288 | 47.969 | 55.272 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.715 | 6.416 | 19037 | 5087 | BelowCal | BelowCal |
| 25) Oxychlordan | 7.202 | 7.896f | 46478 | 8394 | 0.018 | BelowCal # |
| 26) 2,4'-DDE | 7.266 | 8.074 | 9998003 | 15570760 | 80.714 | 79.331 |
| 27) trans-Non... | 7.458 | 8.134 | 10017396 | 43827 | 52.787 | BelowCal # |
| 28) 2,4'-DDD | 7.641 | 8.432 | 30426 | 16121737 | 0.006 | 92.266 # |
| 29) 2,4'-DDT | 7.824 | 8.660 | 25016 | 12237165 | 0.050 | 75.673 # |
| 30) cis-Nonac... | 7.943f | 8.705 | 8323984 | 13076934 | 40.602 | 43.272 |
| 31) Mirex | 8.590 | 9.634 | 29134 | 13780288 | 5765.134 | 76.988 # |
| 32) Chlordane... | 7.361 | 8.074 | 10400033 | 15570760 | 445.548 | 395.155 |
| 33) Chlordane... | 7.458 | 8.182 | 10017396 | 14528851 | 377.270 | 443.646 |
| 34) Chlordane... | 8.048f | 8.889f | 7866887 | 38746 | 1082.154 | 3.786 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.458 | 8.432 | 10017396 | 16121737 | 9639.609 | 5732.404 # |
| 37) Toxaphene... | 7.727f | 8.807 | 10577741 | 11928541 | BelowCal | 3337.471 |
| 38) Toxaphene... | 8.048f | 8.807f | 7866887 | 11928541 | 1929.790 | 2136.383 |
| 39) Toxaphene... | 8.339f | 8.889 | 6950267 | 38746 | 1769.357 | 0.413 # |
| 40) Toxaphene... | 8.558 | 9.044f | 23471 | 10279863 | 7.651 | 2080.239 # |
| 41) Toxaphene... | 8.590f | 0.000 | 29134 | 0 | 7.273 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:22
Operator : MJB
Sample : 0D14043-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 12:39
 Operator : MJB
 Sample : OD14043-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 14:26:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/14/20

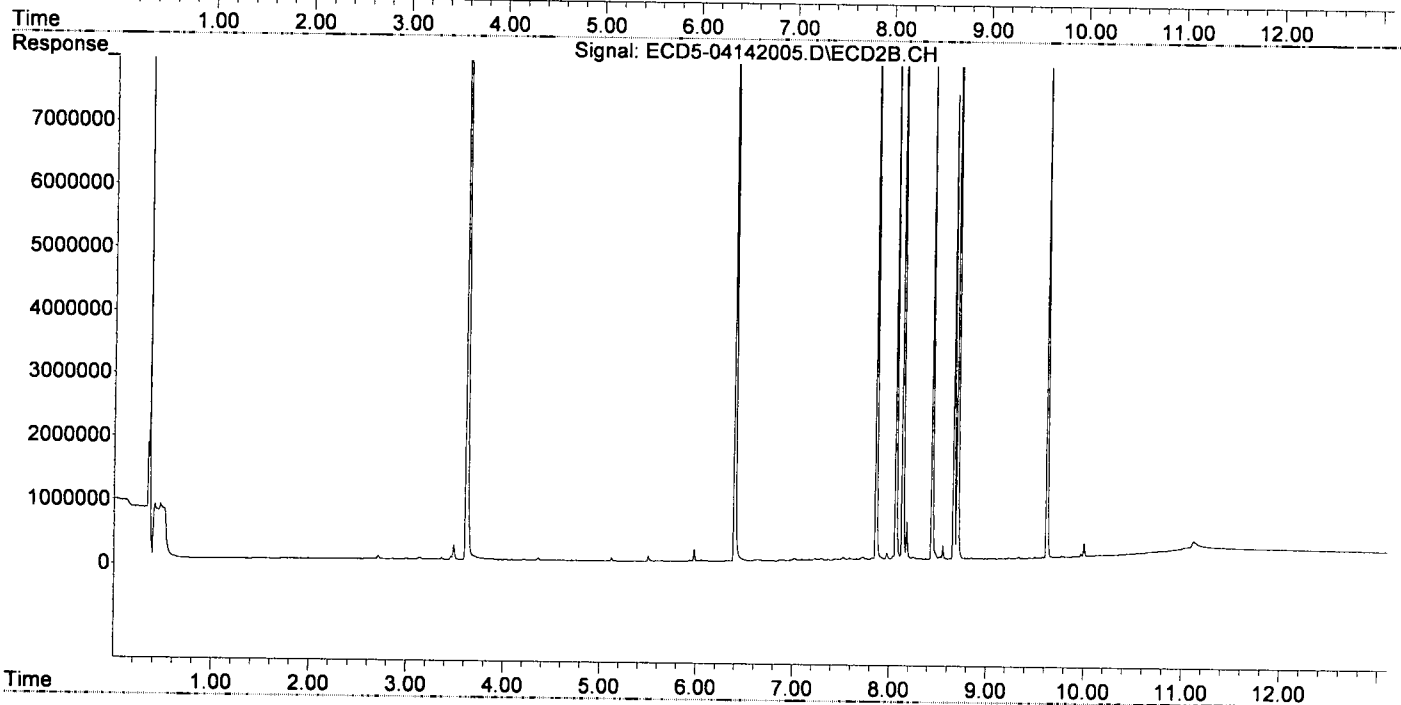
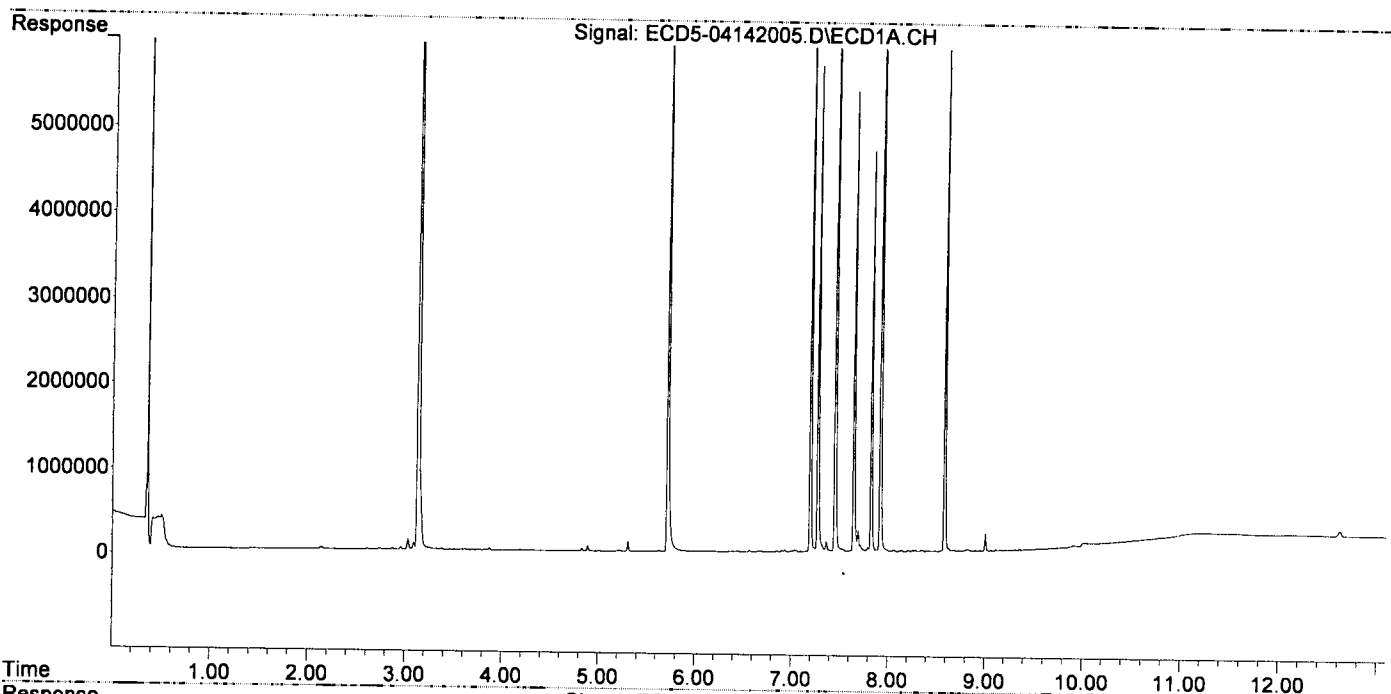
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.307f | 5.937 | 120283 | 18316 | 0.623 | 0.064 # |
| 22) S DCBP (S) | 9.534 | 10.495 | 7457 | 9621 | BelowCal | 0.057 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.175 | 6.891f | 7108 | 19815 | 0.031 | 0.056 # |
| 4) b-BHC | 0.000 | 6.891f | 0 | 19815 | N.D. | 0.132 # |
| 5) Heptachlor | 6.565 | 7.231 | 22848 | 42965 | 0.103 | 0.128 # |
| 6) d-BHC | 6.387 | 7.177 | 5630 | 21582 | 0.029 | 0.066 # |
| 7) Aldrin | 0.000 | 7.525f | 0 | 46586 | N.D. | 0.143 # |
| 8) Heptachlo... | 7.272 | 0.000 | 5687674 | 0 | 27.752 | N.D. # |
| 9) trans-Chl... | 7.362 | 8.069 | 121488 | 9857876 | 0.583 | 32.540 # |
| 10) cis-Chlor... | 7.451 | 8.182 | 9201418 | 601683 | 44.932 | 2.074 # |
| 11) Endosulfa... | 7.583f | 8.245 | 11690 | 43510 | 0.060 | 0.160 # |
| 12) 4,4'-DDE | 0.000 | 8.303 | 0 | 23684 | N.D. | 0.083 # |
| 13) Dieldrin | 7.691f | 8.442 | 241791 | 8571631 | 1.138 | 28.811 # |
| 14) Endrin | 7.921f | 8.666 | 10130291 | 7338747 | 59.266 | 32.049 # |
| 15) 4,4'-DDD | 7.921f | 8.704 | 10130291 | 15209889 | 61.985 | 63.213 |
| 16) Endosulfa... | 8.059 | 8.811 | 16179 | 20953 | 0.097 | 0.087 |
| 17) 4,4'-DDT | 8.140 | 8.917 | 14578 | 13155 | 0.102 | 0.136 # |
| 18) Endrin Al... | 8.351 | 9.046 | 17807 | 13746 | 0.122 | 0.066 # |
| 19) Endosulfa... | 0.000 | 9.234 | 0 | 18177 | N.D. | 0.080 # |
| 20) Methoxychlor | 8.488 | 9.415 | 10047 | 5007 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.810f | 9.626 | 20750 | 8596230 | 0.109 | 34.479 # |
| 23) Hexachlor... | 3.132 | 3.620 | 9365953 | 18255364 | 49.915 | 49.690 |
| 24) Hexachlor... | 5.716 | 6.399 | 8098741 | 13964871 | 44.332 | 48.459 |
| 25) Oxychlordan | 7.195 | 7.864 | 8250415 | 12574806 | 48.561 | 49.205 |
| 26) 2,4'-DDE | 7.272 | 8.069 | 5687674 | 9857876 | 46.350 | 51.536 |
| 27) trans-Non... | 7.451 | 8.138 | 9201418 | 14274309 | 48.495 | 49.903 |
| 28) 2,4'-DDD | 7.645 | 8.442 | 5384455 | 8571631 | 49.950 | 50.706 |
| 29) 2,4'-DDT | 7.826 | 8.666 | 4674172 | 7338747 | 44.841 | 47.785 |
| 30) cis-Nonac... | 7.921 | 8.704 | 10130291 | 15209889 | 49.358 | 50.024 |
| 31) Mirex | 8.585 | 9.626 | 6362517 | 8596230 | 48.615 | 48.803 |
| 32) Chlordane... | 7.362 | 8.069 | 121488 | 9857876 | 5.205 | 250.173 # |
| 33) Chlordane... | 7.451 | 8.182 | 9201418 | 601683 | 346.539 | 18.373 # |
| 34) Chlordane... | 0.000 | 8.849 | 0 | 28113 | N.D. | 2.747 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.451f | 8.442 | 9201418 | 8571631 | 8854.405 | 3047.813 # |
| 37) Toxaphene... | 0.000 | 8.811 | 0 | 20953 | N.D. | 5.862 # |
| 38) Toxaphene... | 8.059 | 8.811 | 16179 | 20953 | 3.969 | 3.753 |
| 39) Toxaphene... | 8.284f | 8.917f | 13330 | 13155 | 3.394 | BelowCal # |
| 40) Toxaphene... | 0.000 | 9.076 | 0 | 11162 | N.D. | 2.259 # |
| 41) Toxaphene... | 8.585f | 9.442 | 6362517 | 9351 | 1588.367 | 1.730 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:39
Operator : MJB
Sample : 0D14043-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 12:56
 Operator : MJB
 Sample : 0D14043-CCB1
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 14:26:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 4/14/20

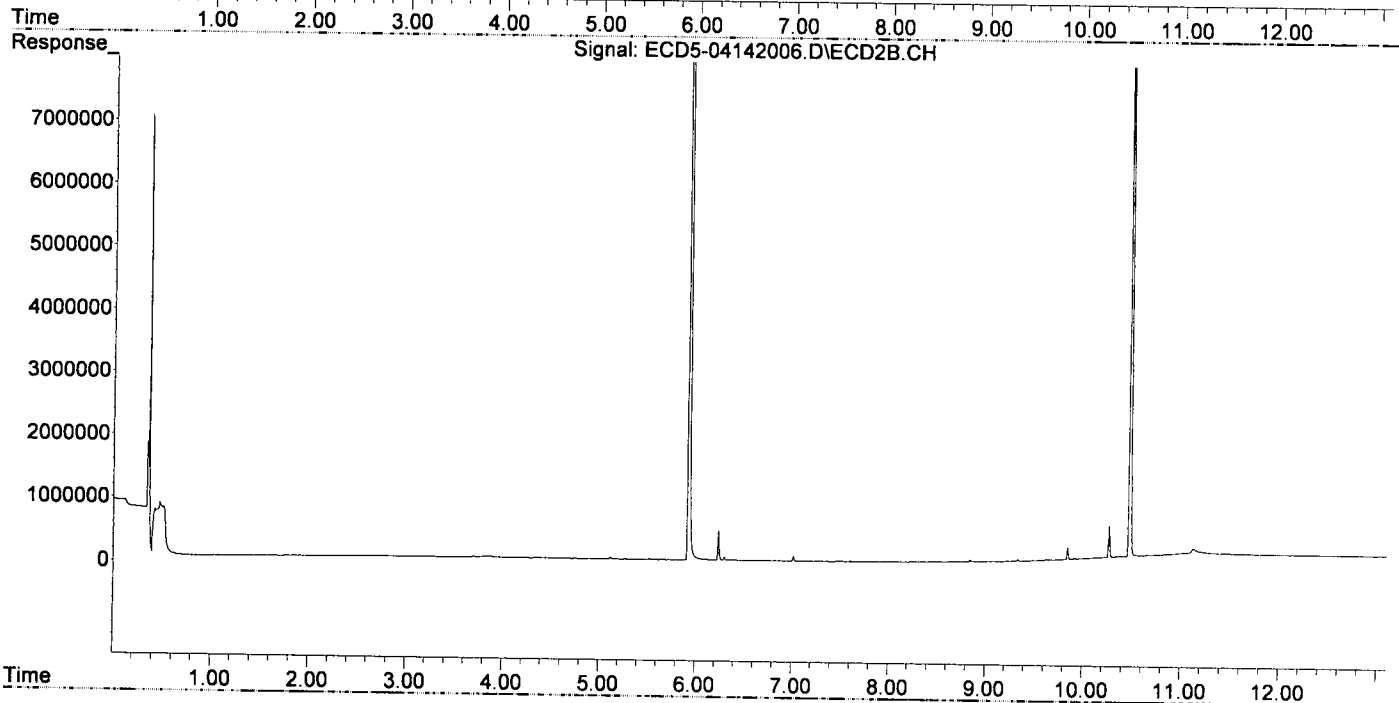
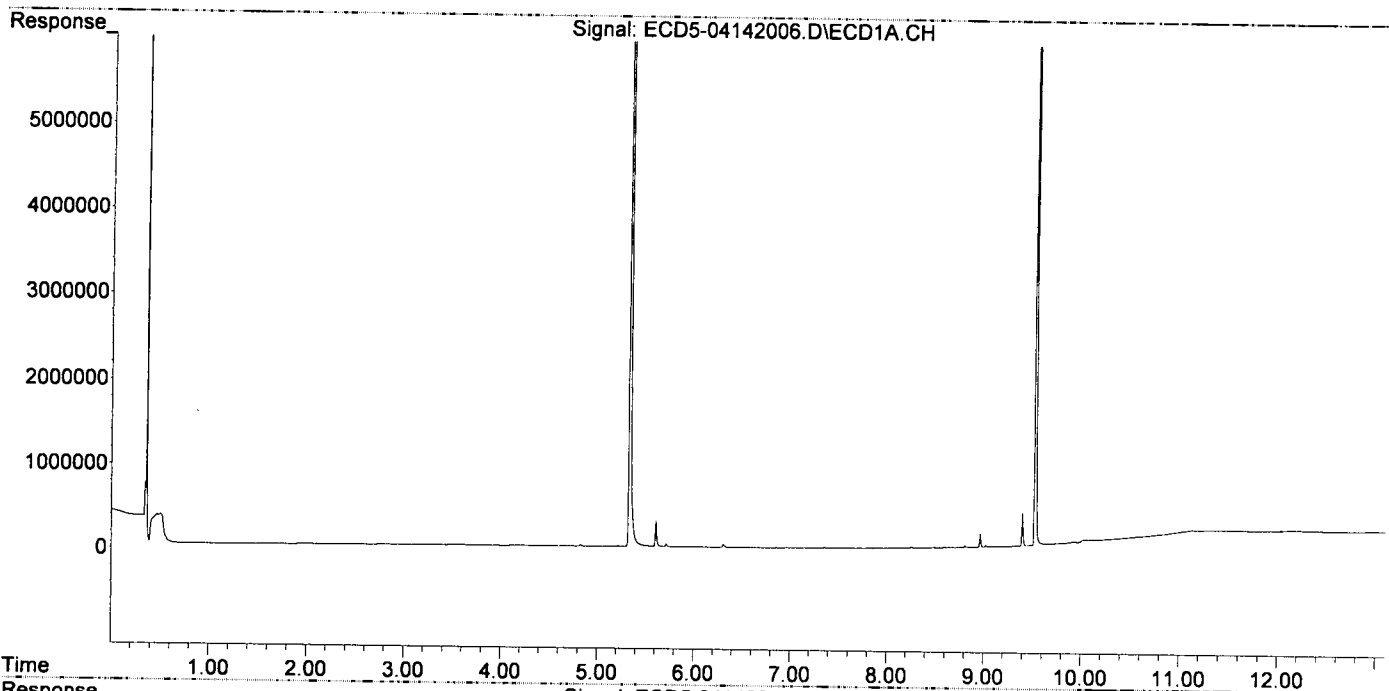
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.333 | 5.929 | 17305611 | 28693902 | 89.576 | 100.381 |
| 22) S DCBP (S) | 9.529 | 10.482 | 12794209 | 15935244 | 85.884 | 93.831 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.511 | 0 | 11370 | N.D. | 0.035 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.350 | 8.087 | 6101 | 5682 | 0.029 | 0.019 # |
| 10) cis-Chlor... | 7.463 | 0.000 | 1949 | 0 | 0.010 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.708 | 8.434 | 3448 | 2317 | 0.016 | 0.008 # |
| 14) Endrin | 7.896 | 8.666 | 1724 | 1181 | 0.010 | 0.005 # |
| 15) 4,4'-DDD | 0.000 | 8.666f | 0 | 1181 | N.D. | 0.005 # |
| 16) Endosulfa... | 8.057 | 0.000 | 2929 | 0 | 0.017 | N.D. # |
| 17) 4,4'-DDT | 8.142 | 0.000 | 1501 | 0 | BelowCal | N.D. |
| 18) Endrin Al... | 8.342 | 9.041 | 4024 | 5279 | 0.027 | 0.025 |
| 19) Endosulfa... | 8.641 | 9.234 | 4269 | 7954 | 0.026 | 0.035 # |
| 20) Methoxychlor | 8.488 | 9.410 | 4073 | 3635 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.841 | 9.626 | 4953 | 9831 | 0.026 | 0.039 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.714 | 0.000 | 34711 | 0 | BelowCal | N.D. |
| 25) Oxychlordane | 7.155f | 0.000 | 3499 | 0 | BelowCal | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.087 | 0 | 5682 | N.D. | BelowCal |
| 27) trans-Non... | 7.463 | 0.000 | 1949 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 8.434 | 0 | 2317 | N.D. | BelowCal |
| 29) 2,4'-DDT | 7.808 | 8.666 | 2214 | 1181 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.896f | 8.666f | 1724 | 1181 | BelowCal | BelowCal |
| 31) Mirex | 8.590 | 9.626 | 4174 | 9831 | 5765.325 | BelowCal # |
| 32) Chlordane... | 7.350f | 8.087 | 6101 | 5682 | 0.261 | 0.144 # |
| 33) Chlordane... | 7.463 | 0.000 | 1949 | 0 | 0.073 | N.D. # |
| 34) Chlordane... | 7.985f | 8.847 | 2171 | 24112 | 0.299 | 2.356 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.463 | 8.434 | 1949 | 2317 | 1.876 | 0.824 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.057 | 8.847 | 2929 | 24112 | 0.719 | 4.318 # |
| 39) Toxaphene... | 8.320 | 0.000 | 3217 | 0 | 0.819 | N.D. # |
| 40) Toxaphene... | 8.552 | 9.041f | 2111 | 5279 | 0.688 | 1.068 # |
| 41) Toxaphene... | 8.590f | 9.485f | 4174 | 4446 | 1.042 | 0.823 |
| 42) Toxaphene... | 0.000 | 3.707f | 0 | 18122 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:56
Operator : MJB
Sample : 0D14043-CCB1
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 13:13
 Operator : MJB
 Sample : 0040379-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 14:26:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/14/20

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

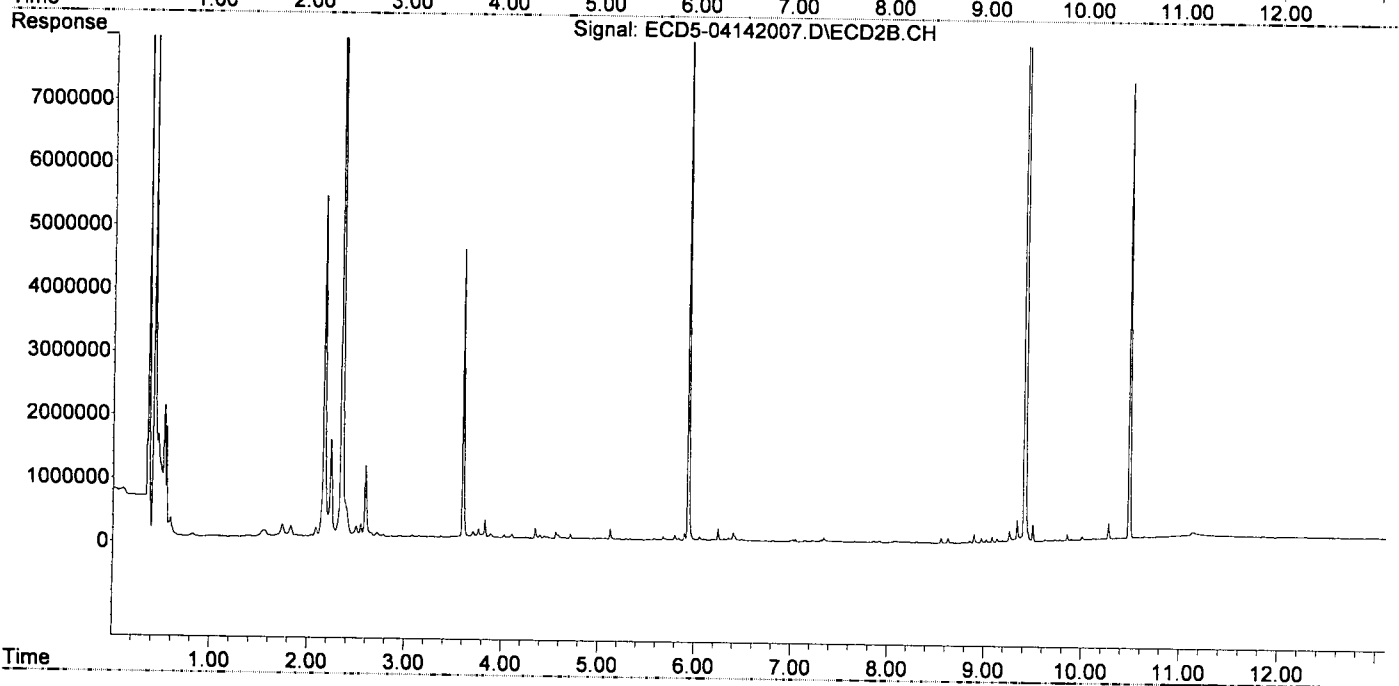
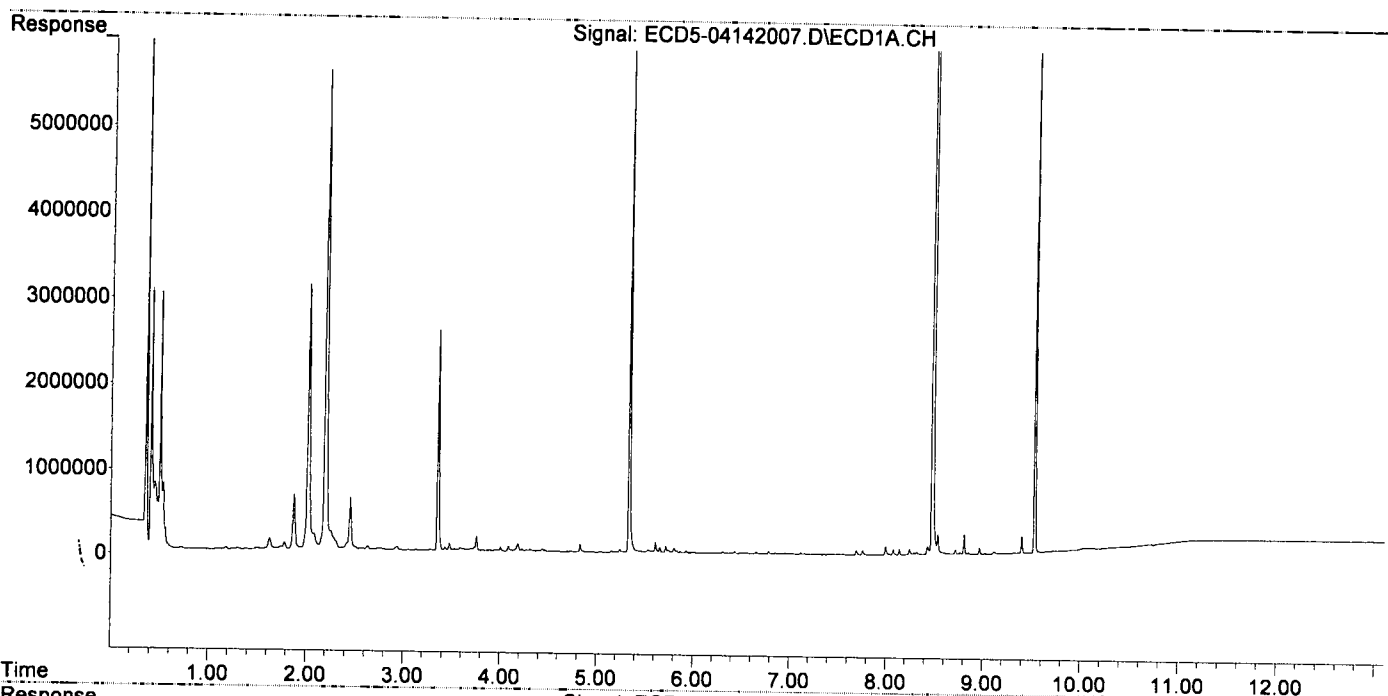
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.333 | 5.930 | 5806906 | 9719415 | 30.057 | 34.002 |
| 22) S DCBP (S) | 9.528 | 10.482 | 6179396 | 7199729 | 41.421 | 42.394 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.867 | 0.000 | 17981 | 0 | 0.068 | N.D. # |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 6.221 | 0.000 | 6047 | 0 | 0.063 | N.D. # |
| 5) Heptachlor | 6.551 | 7.229 | 4545 | 16475 | 0.020 | 0.049 # |
| 6) d-BHC | 6.352f | 7.173 | 2179 | 7831 | 0.011 | 0.024 # |
| 7) Aldrin | 6.783f | 0.000 | 30572 | 0 | 0.138 | N.D. # |
| 8) Heptachlo... | 7.267 | 7.916 | 6076 | 25548 | 0.030 | 0.086 # |
| 9) trans-Chl... | 7.398f | 8.084 | 3469 | 17595 | 0.017 | 0.058 # |
| 10) cis-Chlor... | 7.451 | 8.209f | 4111 | 19987 | 0.020 | 0.069 # |
| 11) Endosulfa... | 7.555 | 8.209f | 8494 | 19987 | 0.044 | 0.074 # |
| 12) 4,4'-DDE | 7.503 | 8.301 | 10525 | 16394 | 0.053 | 0.057 # |
| 13) Dieldrin | 7.756f | 8.428 | 50756 | 8323 | 0.239 | 0.028 # |
| 14) Endrin | 7.925f | 8.622f | 1829 | 77170 | 0.011 | 0.337 # |
| 15) 4,4'-DDD | 7.925 | 0.000 | 1829 | 0 | 0.011 | N.D. # |
| 16) Endosulfa... | 8.072f | 8.798 | 65478 | 5763 | 0.391 | 0.024 # |
| 17) 4,4'-DDT | 8.135 | 8.927 | 66921 | 6722 | 0.531 | 0.096 # |
| 18) Endrin Al... | 8.315f | 9.047 | 30492 | 6020 | 0.208 | 0.029 # |
| 19) Endosulfa... | 0.000 | 9.254f | 0 | 167944 | N.D. | 0.738 # |
| 20) Methoxychlor | 8.475 | 9.412 | 45188365 | 77391465 | 460.478 | 452.647 |
| 21) Endrin Ke... | 8.852 | 9.622 | 21366 | 20940 | 0.112 | 0.084 |
| 23) Hexachlor... | 3.131 | 3.595f | 14990 | 4536395 | 11064.628 | 12.376 # |
| 24) Hexachlor... | 5.715 | 6.398 | 81833 | 131186 | 0.176 | 0.231 # |
| 25) Oxychlorane | 0.000 | 7.854 | 0 | 18592 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.267 | 8.061 | 6076 | 16995 | BelowCal | BelowCal |
| 27) trans-Non... | 7.451 | 8.149 | 4111 | 14365 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 8.428 | 0 | 8323 | N.D. | BelowCal |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 7.925 | 0.000 | 1829 | 0 | BelowCal | N.D. |
| 31) Mirex | 0.000 | 9.622 | 0 | 20940 | N.D. | BelowCal |
| 32) Chlordane... | 7.398f | 8.084 | 3469 | 17595 | 0.149 | 0.447 # |
| 33) Chlordane... | 7.451 | 8.209 | 4111 | 19987 | 0.155 | 0.610 # |
| 34) Chlordane... | 7.993f | 8.845 | 100578 | 31260 | 13.835 | 3.055 # |
| 35) Chlordane... | 3.705f | 3.700f | 33558 | 96153 | NoCal | NoCal |
| 86) Toxaphene... | 7.451f | 8.428 | 4111 | 8323 | 3.956 | 2.959 # |
| 37) Toxaphene... | 7.756 | 8.798 | 50756 | 5763 | 24.591 | 1.612 # |
| 38) Toxaphene... | 8.072 | 8.845 | 65478 | 31260 | 16.062 | 5.599 # |
| 39) Toxaphene... | 8.315 | 8.891 | 30492 | 136144 | 7.762 | 12.372 # |
| 40) Toxaphene... | 8.532 | 9.077 | 241300 | 92008 | 78.664 | 18.619 # |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 42) Toxaphene... | 3.705f | 3.700f | 33558 | 96153 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:13
Operator : MJB
Sample : 0040379-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 13:30
 Operator : MJB
 Sample : 0040379-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 14:26:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 4/14/20

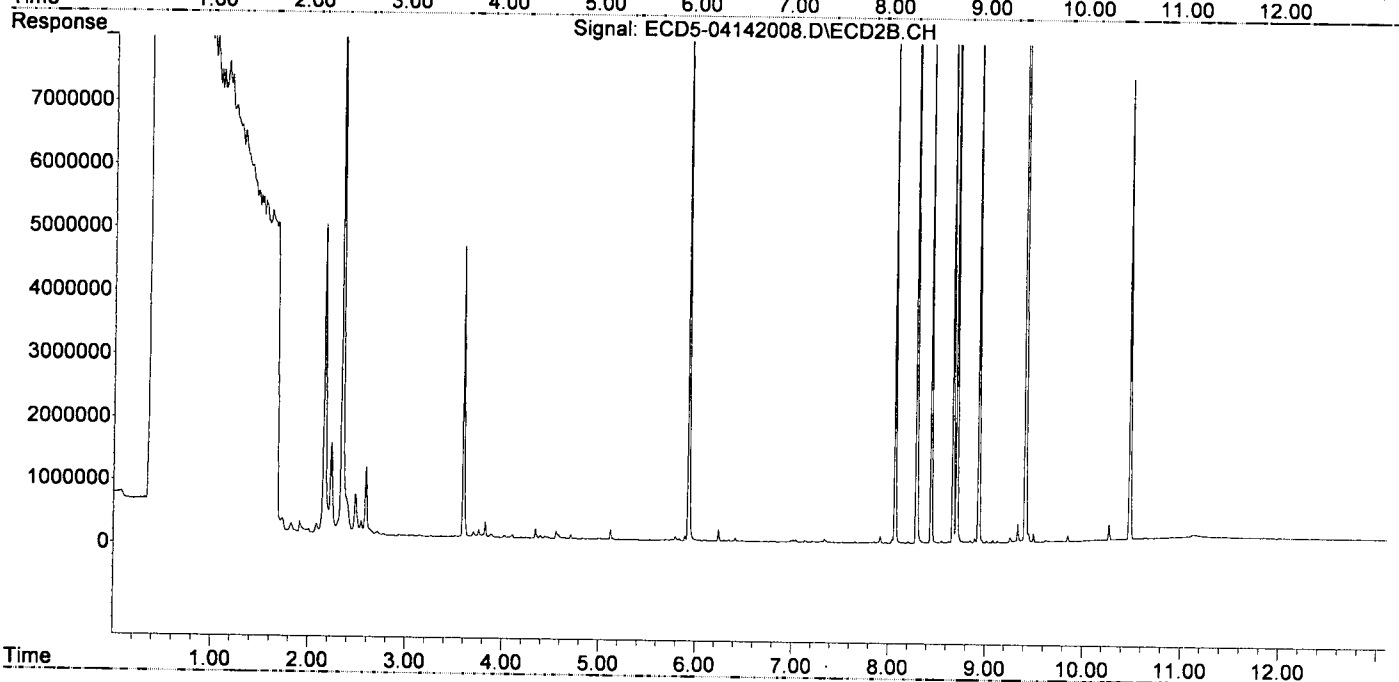
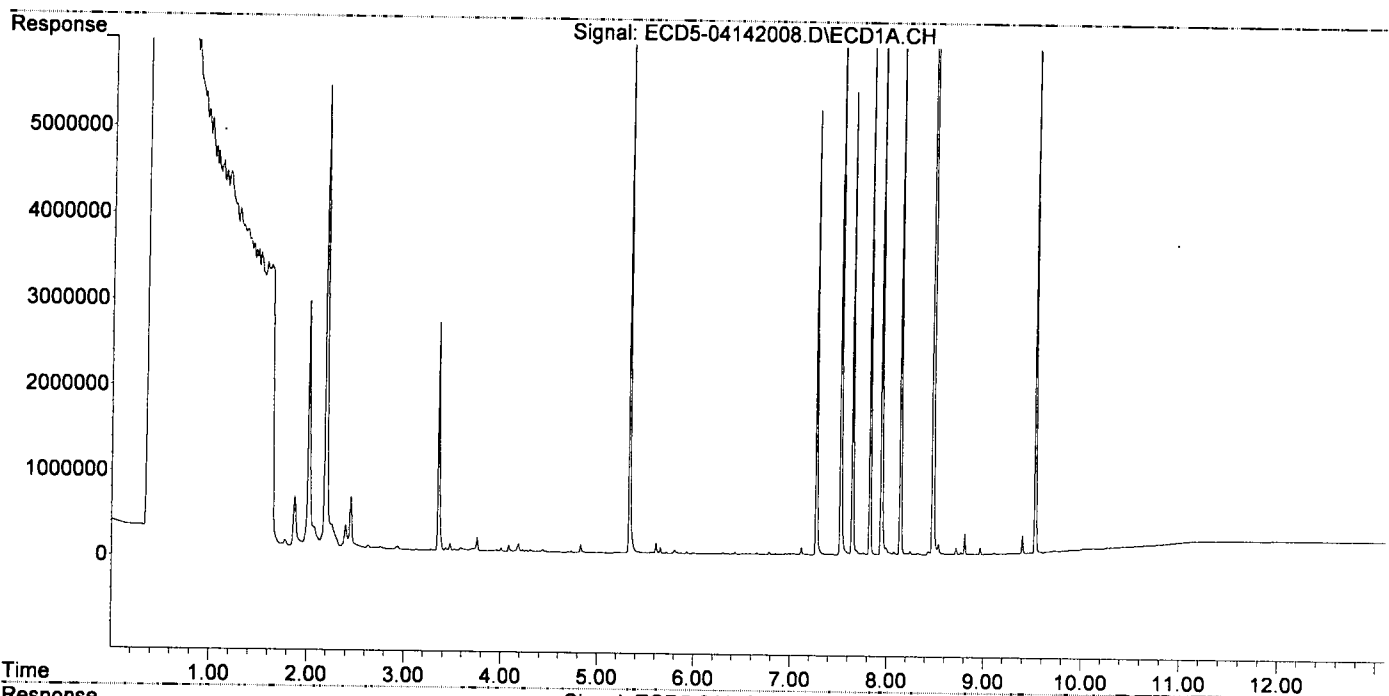
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.331 | 5.928 | 6099669 | 9937052 | 31.573 | 34.763 |
| 22) S DCBP (S) | 9.527 | 10.480 | 6373571 | 7243616 | 42.727 | 42.652 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.865 | 0.000 | 14873 | 0 | 0.057 | N.D. # |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 6.219 | 0.000 | 6453 | 0 | 0.067 | N.D. # |
| 5) Heptachlor | 6.548 | 7.212 | 7141 | 11616 | 0.032 | 0.035 |
| 6) d-BHC | 6.346f | 7.212f | 7848 | 11616 | 0.040 | 0.036 |
| 7) Aldrin | 6.780f | 7.511 | 32298 | 6596 | 0.145 | 0.020 # |
| 8) Heptachlo... | 7.268 | 7.914 | 5158724 | 112912 | 25.171 | 0.379 # |
| 9) trans-Chl... | 7.381 | 8.066 | 9499 | 8262900 | 0.046 | 27.275 # |
| 10) cis-Chlor... | 7.422f | 8.203f | 8999 | 32279 | 0.044 | 0.111 # |
| 11) Endosulfa... | 7.518f | 8.203f | 8556433 | 32279 | 44.256 | 0.119 # |
| 12) 4,4'-DDE | 7.518 | 8.287 | 8556433 | 13740064 | 43.409 | 47.985 |
| 13) Dieldrin | 7.755f | 8.439 | 25768 | 8159261 | 0.121 | 27.425 # |
| 14) Endrin | 0.000 | 8.663 | 0 | 8941461 | N.D. | 39.049 # |
| 15) 4,4'-DDD | 7.940 | 8.703 | 7580211 | 11667691 | 46.382 | 48.491 |
| 16) Endosulfa... | 8.070f | 8.843f | 37699 | 37055 | 0.225 | 0.154 # |
| 17) 4,4'-DDT | 8.137 | 8.930 | 7158523 | 11207494 | 53.677 | 58.917 |
| 18) Endrin Al... | 8.318f | 9.052 | 18625 | 10263 | 0.127 | 0.049 # |
| 19) Endosulfa... | 8.641 | 9.253 | 7508 | 83989 | 0.046 | 0.369 # |
| 20) Methoxychlor | 8.472 | 9.409 | 22212928 | 36432521 | 265.268 | 269.170 |
| 21) Endrin Ke... | 8.849 | 9.619 | 9133 | 31771 | 0.048 | 0.127 # |
| 23) Hexachlor... | 3.129 | 3.593f | 5897 | 4585476 | 11064.677 | 12.511 # |
| 24) Hexachlor... | 5.713 | 6.414 | 16482 | 51325 | BelowCal | BelowCal |
| 25) Oxychlorane | 0.000 | 7.848 | 0 | 16509 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.268 | 8.066 | 5158724 | 8262900 | 42.080 | 43.512 |
| 27) trans-Non... | 7.422f | 8.145 | 8999 | 14311 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.640 | 8.439 | 5344719 | 8159261 | 49.584 | 48.353 |
| 29) 2,4'-DDT | 7.822 | 8.663 | 6144286 | 8941461 | 58.224 | 57.206 |
| 30) cis-Nonac... | 7.940 | 8.703 | 7580211 | 11667691 | 36.986 | 38.762 |
| 31) Mirex | 0.000 | 9.619 | 0 | 31771 | N.D. | BelowCal |
| 32) Chlordane... | 7.381 | 8.066f | 9499 | 8262900 | 0.407 | 209.696 # |
| 33) Chlordane... | 0.000 | 8.203 | 0 | 32279 | N.D. | 0.986 # |
| 34) Chlordane... | 7.991f | 8.843 | 87331 | 37055 | 12.013 | 3.621 # |
| 35) Chlordane... | 3.702f | 3.698f | 30325 | 90396 | NoCal | NoCal |
| 36) Toxaphene... | 0.000 | 8.439 | 0 | 8159261 | N.D. | 2901.187 # |
| 37) Toxaphene... | 7.755 | 0.000 | 25768 | 0 | 11.275 | N.D. # |
| 38) Toxaphene... | 8.070 | 8.843 | 37699 | 37055 | 9.248 | 6.637 # |
| 39) Toxaphene... | 8.318 | 8.890 | 18625 | 69893 | 4.741 | 4.239 |
| 40) Toxaphene... | 8.530 | 9.076 | 126770 | 43580 | 41.327 | 8.819 # |
| 41) Toxaphene... | 8.641f | 9.443 | 7508 | 140224 | 1.874 | 25.946 # |
| 42) Toxaphene... | 3.702f | 3.698f | 30325 | 90396 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:30
Operator : MJB
Sample : 0040379-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 14:39
 Operator : MJB
 Sample : 0040379-MSD1A *MJB 4/14/20*
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 15:38:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
4/14/20*

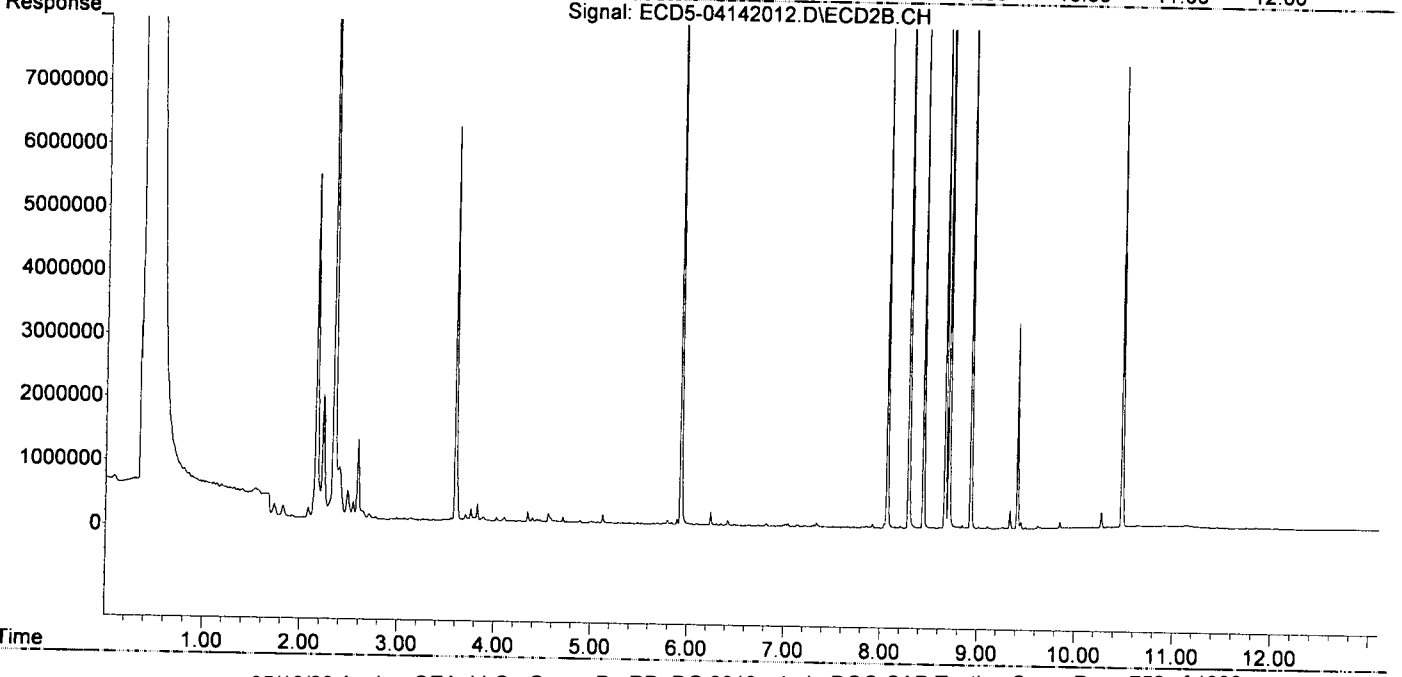
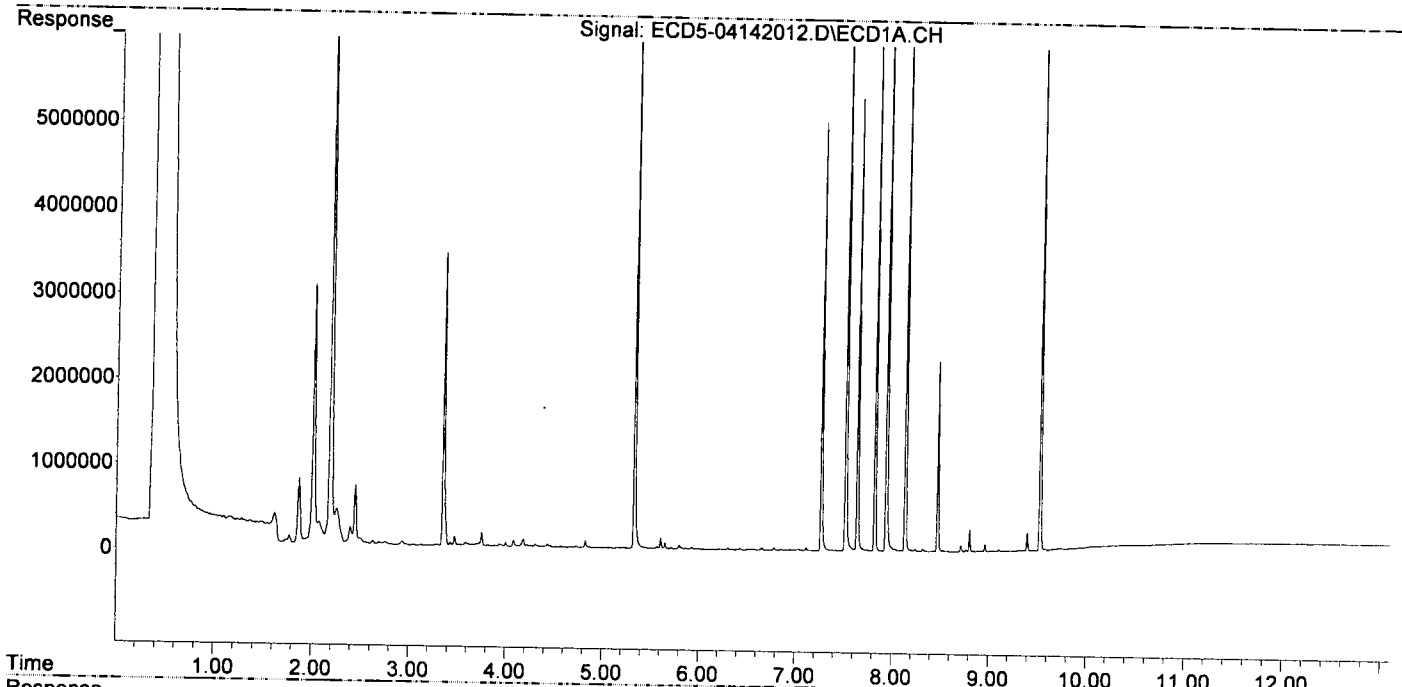
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.330 | 5.927 | 6426275 | 10650922 | 33.263 | 37.261 |
| 22) S DCBP (S) | 9.527 | 10.480 | 6111524 | 7273522 | 40.964 | 42.829 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.864 | 0.000 | 13847 | 0 | 0.053 | N.D. # |
| 3) g-BHC | 0.000 | 6.817f | 0 | 37798 | N.D. | 0.107 # |
| 4) b-BHC | 6.217 | 0.000 | 5542 | 0 | 0.058 | N.D. # |
| 5) Heptachlor | 6.576 | 7.210 | 5927 | 10651 | 0.027 | 0.032 # |
| 6) d-BHC | 6.344f | 7.210f | 4431 | 10651 | 0.023 | 0.033 # |
| 7) Aldrin | 6.780f | 7.512 | 33202 | 6366 | 0.150 | 0.020 # |
| 8) Heptachlo... | 7.268 | 7.914 | 4979034 | 54137 | 24.294 | 0.182 # |
| 9) trans-Chl... | 7.381f | 8.066 | 10396 | 7872435 | 0.050 | 25.986 # |
| 10) cis-Chlor... | 7.422f | 8.204f | 9025 | 28367 | 0.044 | 0.098 # |
| 11) Endosulfa... | 7.519f | 8.204f | 8094786 | 28367 | 41.868 | 0.104 # |
| 12) 4,4'-DDE | 7.519 | 8.287 | 8094786 | 13320933 | 41.067 | 46.521 # |
| 13) Dieldrin | 0.000 | 8.439 | 0 | 8100976 | N.D. | 27.229 # |
| 14) Endrin | 0.000 | 8.663 | 0 | 8932693 | N.D. | 39.010 # |
| 15) 4,4'-DDD | 7.940 | 8.703 | 7514336 | 11673610 | 45.979 | 48.516 # |
| 16) Endosulfa... | 8.069f | 8.843f | 13417 | 45097 | 0.080 | 0.188 # |
| 17) 4,4'-DDT | 8.137 | 8.929 | 7212118 | 11179908 | 54.046 | 58.792 # |
| 18) Endrin Al... | 8.320 | 9.052 | 33957 | 12265 | 0.232 | 0.059 # |
| 19) Endosulfa... | 0.000 | 9.254 | 0 | 22676 | N.D. | 0.100 # |
| 20) Methoxychlor | 8.472 | 9.408 | 2224372 | 3231218 | 33.249 | 35.823 # |
| 21) Endrin Ke... | 8.849 | 9.619 | 7679 | 34895 | 0.040 | 0.140 # |
| 23) Hexachlor... | 3.127 | 3.592f | 6593 | 6204976 | 11064.673 | 16.976 # |
| 24) Hexachlor... | 5.712 | 6.416 | 16330 | 74252 | BelowCal | 0.025 # |
| 25) Oxychlordane | 0.000 | 7.849 | 0 | 19258 | N.D. | BelowCal # |
| 26) 2,4'-DDE | 7.268 | 8.066 | 4979034 | 7872435 | 40.626 | 41.528 # |
| 27) trans-Non... | 7.422f | 0.000 | 9025 | 0 | BelowCal | N.D. # |
| 28) 2,4'-DDD | 7.640 | 8.439 | 5242080 | 8100976 | 48.638 | 48.020 # |
| 29) 2,4'-DDT | 7.822 | 8.663 | 5928034 | 8932693 | 56.277 | 57.155 # |
| 30) cis-Nonac... | 7.940 | 8.703 | 7514336 | 11673610 | 36.666 | 38.781 # |
| 31) Mirex | 8.582 | 9.619 | 5288 | 34895 | 5765.317 | BelowCal # |
| 32) Chlordane... | 7.381 | 8.066f | 10396 | 7872435 | 0.445 | 199.787 # |
| 33) Chlordane... | 0.000 | 8.204 | 0 | 28367 | N.D. | 0.866 # |
| 34) Chlordane... | 0.000 | 8.843 | 0 | 45097 | N.D. | 4.407 # |
| 35) Chlordane... | 3.701f | 3.698f | 32298 | 95513 | NoCal | NoCal # |
| 36) Toxaphene... | 0.000 | 8.439 | 0 | 8100976 | N.D. | 2880.463 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. # |
| 38) Toxaphene... | 8.069 | 8.843 | 13417 | 45097 | 3.291 | 8.077 # |
| 39) Toxaphene... | 8.320 | 8.890 | 33957 | 17845 | 8.645 | BelowCal # |
| 40) Toxaphene... | 8.530 | 9.052 | 16512 | 12265 | 5.383 | 2.482 # |
| 41) Toxaphene... | 8.582f | 9.444 | 5288 | 106750 | 1.320 | 19.752 # |
| 42) Toxaphene... | 3.701f | 3.698f | 32298 | 95513 | NoCal | NoCal # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:39
Operator : MJB
Sample : 0040379-MSD1 *MJB 4/14/20*
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 14:56
 Operator : MJB
 Sample : 0D14043-CCV3
 Misc : A20C184, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 15:38:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/14/20

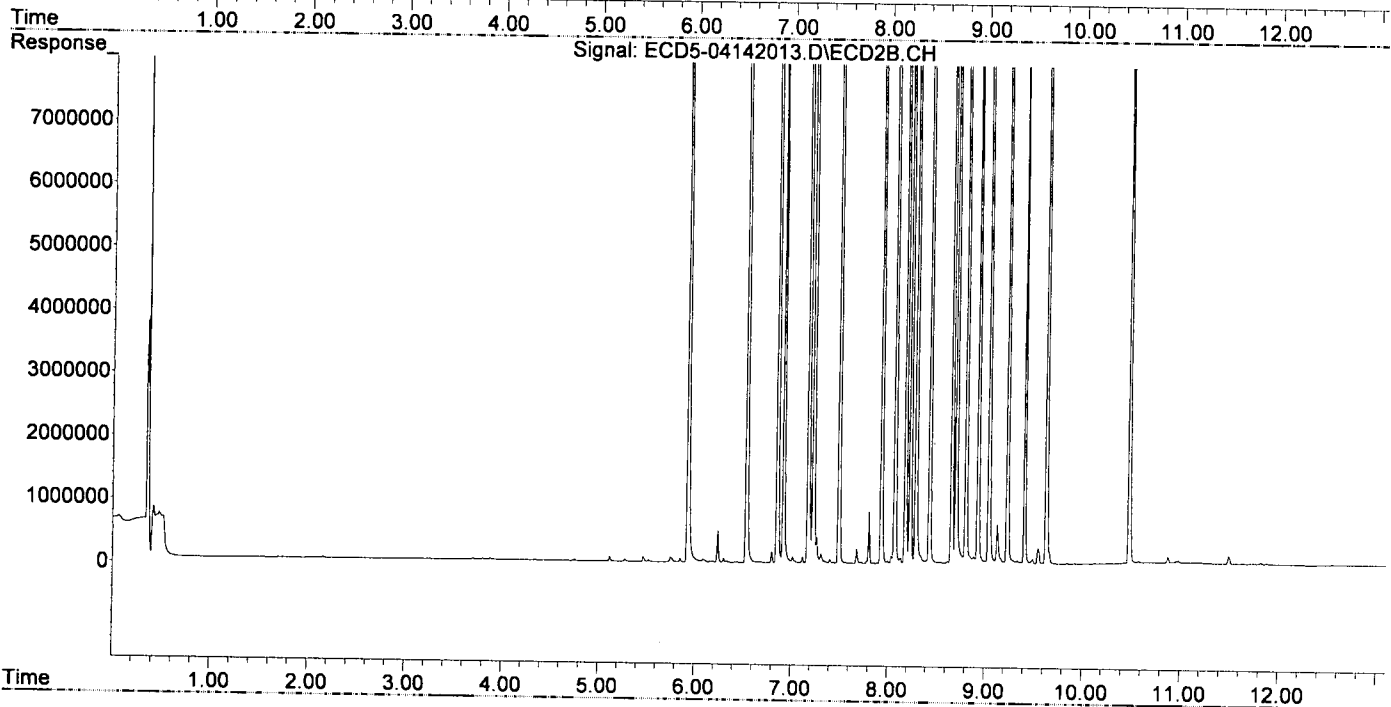
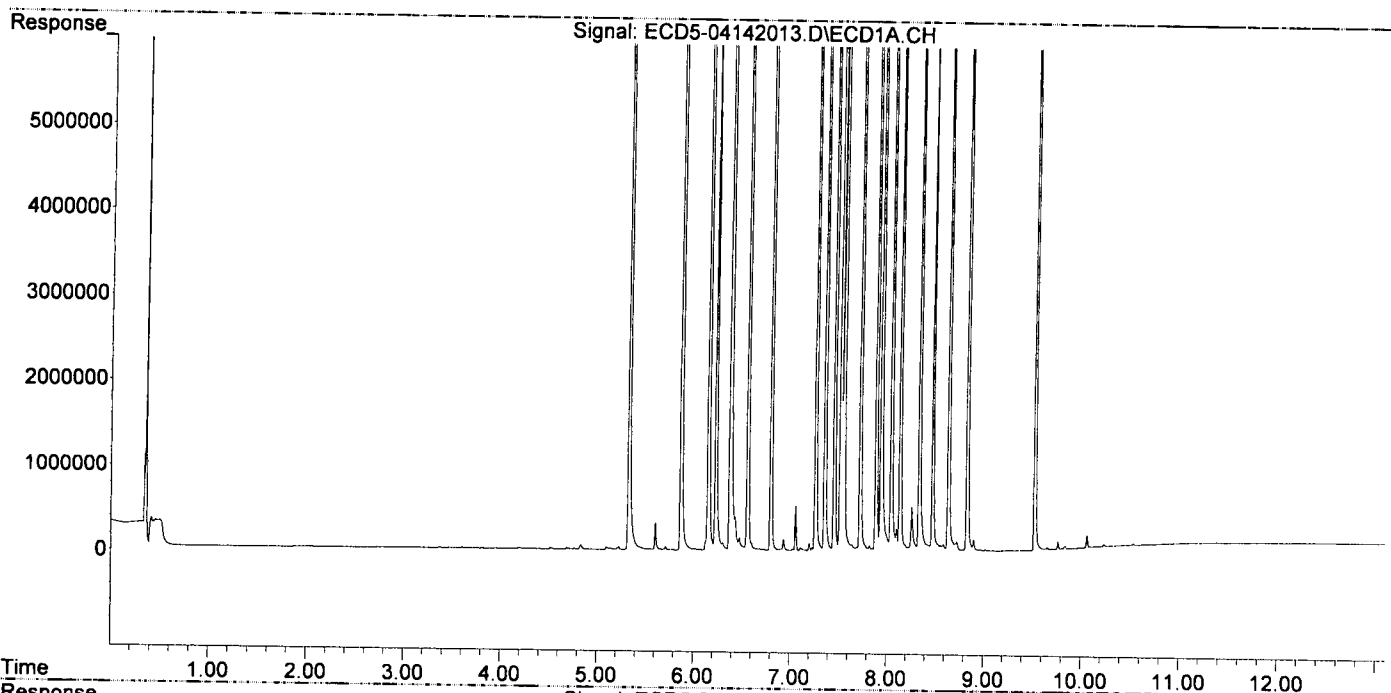
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.330 | 5.928 | 17471597 | 30119639 | 90.435 | 105.369 |
| 22) S DCBP (S) | 9.528 | 10.480 | 15081269 | 18797160 | 101.241 | 110.683 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.870 | 6.536 | 25621402 | 46601476 | 97.351 | 115.008 |
| 3) g-BHC | 6.153 | 6.855 | 21814331 | 40213606 | 95.365 | 113.673 |
| 4) b-BHC | 6.229 | 6.918 | 8393553 | 15973376 | 87.735 | 106.465 |
| 5) Heptachlor | 6.561 | 7.228 | 22001360 | 38948601 | 98.757 | 116.214 |
| 6) d-BHC | 6.378 | 7.174 | 18227078 | 39161483 | 93.413 | 119.924 # |
| 7) Aldrin | 6.801 | 7.493 | 22262630 | 37792553 | 100.272 | 115.971 |
| 8) Heptachlo... | 7.264 | 7.932 | 20150041 | 32262646 | 98.317 | 108.392 |
| 9) trans-Chl... | 7.359 | 8.072 | 20617200 | 33543063 | 98.902 | 110.722 |
| 10) cis-Chlor... | 7.456 | 8.180 | 19694967 | 31813425 | 96.174 | 109.636 |
| 11) Endosulfa... | 7.554 | 8.230 | 18856975 | 30093711 | 97.533 | 110.754 |
| 12) 4,4'-DDE | 7.520 | 8.288 | 18903646 | 33320542 | 95.904 | 116.367 |
| 13) Dieldrin | 7.725 | 8.430 | 21456551 | 34382040 | 100.990 | 115.565 |
| 14) Endrin | 7.889 | 8.658 | 16245988 | 26474255 | 95.045 | 115.617 |
| 15) 4,4'-DDD | 7.941 | 8.703 | 16154202 | 28186994 | 98.844 | 117.146 |
| 16) Endosulfa... | 8.047 | 8.805 | 15781482 | 26082694 | 94.192 | 108.723 |
| 17) 4,4'-DDT | 8.138 | 8.929 | 13542301 | 23394535 | 95.189 | 108.662 |
| 18) Endrin Al... | 8.337 | 9.042 | 14395562 | 22081372 | 98.349 | 106.159 |
| 19) Endosulfa... | 8.638 | 9.232 | 15411077 | 25224961 | 93.721 | 110.784 |
| 20) Methoxychlor | 8.474 | 9.408 | 6590272 | 11459087 | 92.722 | 109.736 |
| 21) Endrin Ke... | 8.832 | 9.632 | 19057994 | 29004409 | 99.796 | 116.334 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.712 | 6.414 | 39768 | 7148 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.200 | 7.858 | 91347 | 15125 | 0.284 | BelowCal # |
| 26) 2,4'-DDE | 7.264 | 8.072 | 20150041 | 33543063 | 158.808 | 158.905 |
| 27) trans-Non... | 7.456 | 8.132 | 19694967 | 92566 | 103.309 | 0.101 # |
| 28) 2,4'-DDD | 7.640 | 8.430 | 76421 | 34382040 | 0.441 | 183.092 # |
| 29) 2,4'-DDT | 7.822 | 8.658 | 59560 | 26474255 | 0.398 | 145.207 # |
| 30) cis-Nonac... | 7.941f | 8.703 | 16154202 | 28186994 | 78.298 | 89.366 |
| 31) Mirex | 8.587 | 9.632 | 74473 | 29004409 | 0.168 | 154.371 # |
| 32) Chlordane... | 7.359 | 8.072 | 20617200 | 33543063 | 883.261 | 851.257 |
| 33) Chlordane... | 7.456 | 8.180 | 19694967 | 31813425 | 741.741 | 971.440 # |
| 34) Chlordane... | 8.047f | 8.888f | 15781482 | 112512 | 2170.870 | 10.995 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.456 | 8.430 | 19694967 | 34382040 | 18952.210 | 12225.217 # |
| 37) Toxaphene... | 7.725f | 8.805 | 21456551 | 26082694 | BelowCal | 7297.642 |
| 38) Toxaphene... | 8.101f | 8.805f | 260048 | 26082694 | 63.791 | 4671.369 # |
| 39) Toxaphene... | 8.337f | 8.888 | 14395562 | 112512 | 3664.734 | 9.472 # |
| 40) Toxaphene... | 8.556 | 9.042f | 65656 | 22081372 | 21.404 | 4468.398 # |
| 41) Toxaphene... | 8.587f | 0.000 | 74473 | 0 | 18.592 | N.D. # |
| 42) Toxaphene... | 0.000 | 3.705f | 0 | 12992 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:56
Operator : MJB
Sample : 0D14043-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 15:14
 Operator : MJB
 Sample : 0D14043-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 15:38:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/14/20

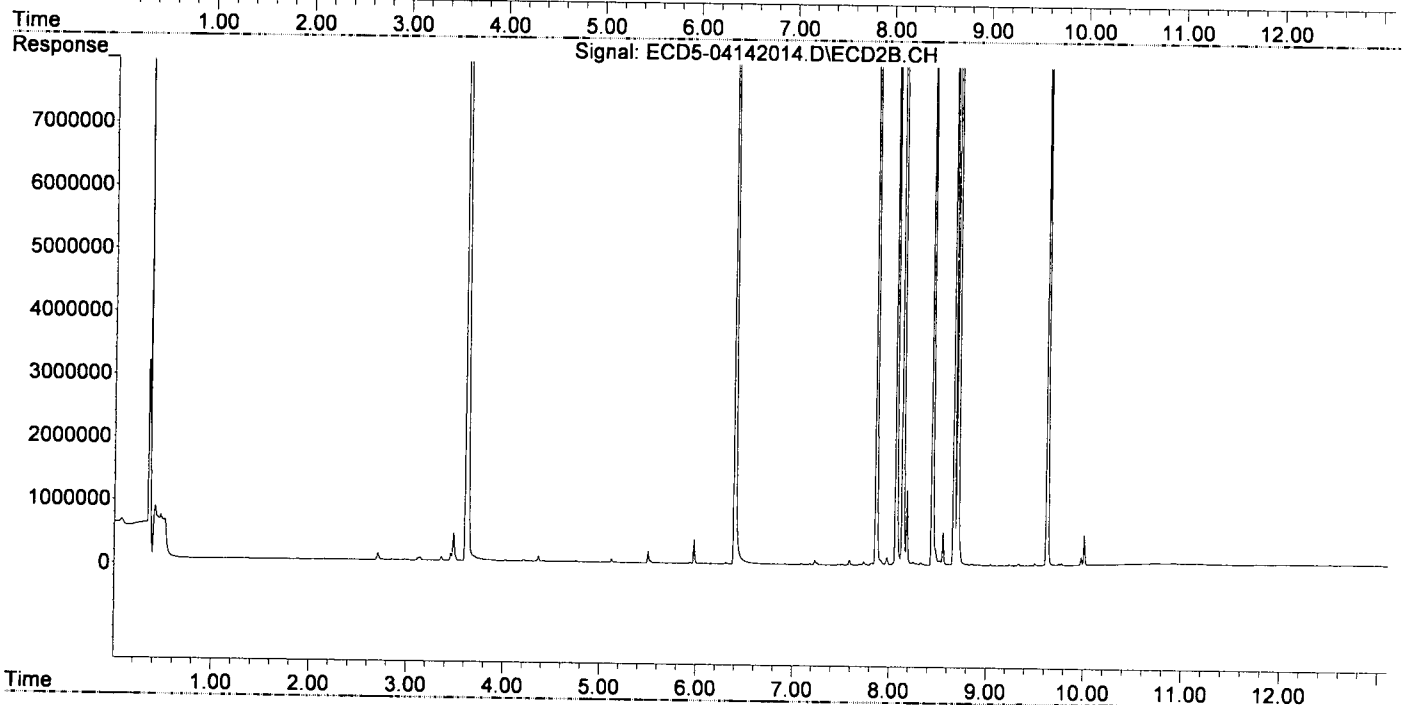
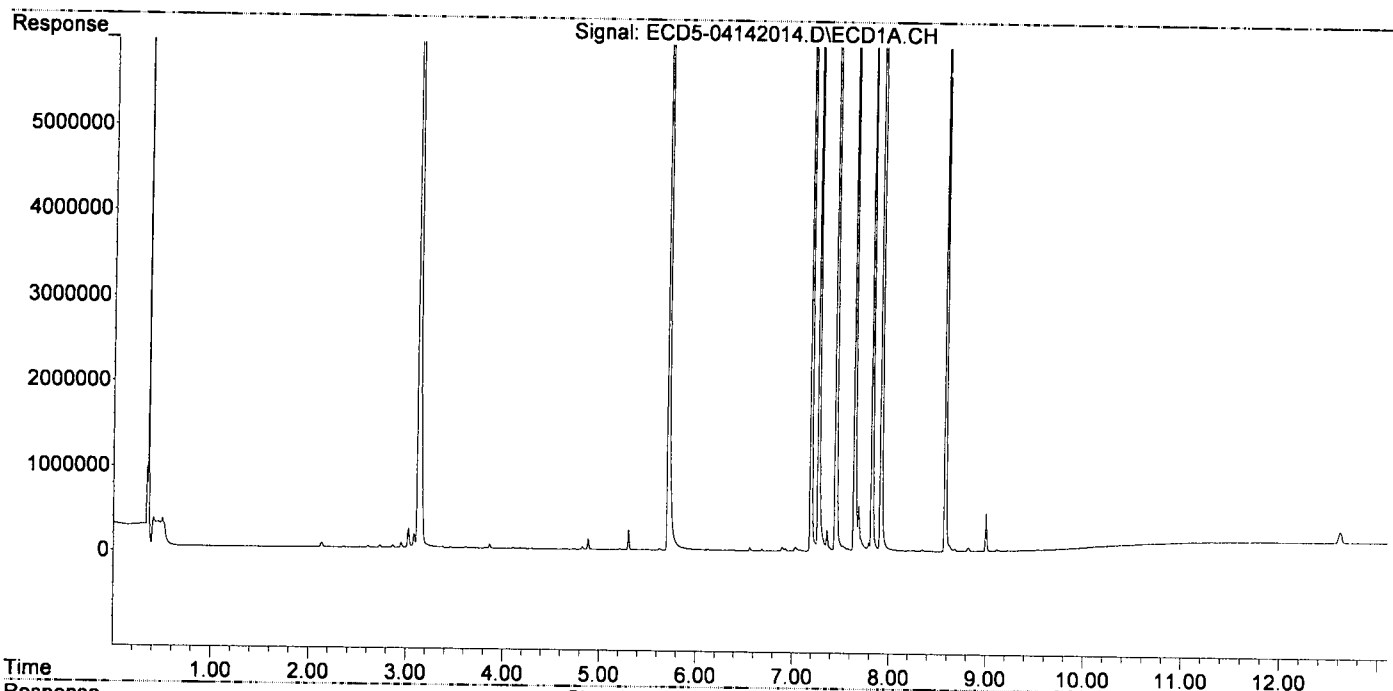
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.303f | 5.936 | 235162 | 19302 | 1.217 | 0.068 # |
| 22) S DCBP (S) | 9.527 | 0.000 | 5248 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.127f | 0.000 | 9649 | 0 | 0.042 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.561 | 7.227 | 43204 | 73654 | 0.194 | 0.220 |
| 6) d-BHC | 6.384 | 7.174 | 8114 | 16603 | 0.042 | 0.051 |
| 7) Aldrin | 0.000 | 7.511 | 0 | 12286 | N.D. | 0.038 # |
| 8) Heptachlo... | 7.269 | 7.910f | 11389532 | 74788 | 55.572 | 0.251 # |
| 9) trans-Chl... | 7.359 | 8.066 | 251505 | 20155851 | 1.206 | 66.532 # |
| 10) cis-Chlor... | 7.447 | 8.178 | 18461443 | 1177186 | 90.150 | 4.057 # |
| 11) Endosulfa... | 7.578f | 8.243 | 33721 | 43318 | 0.174 | 0.159 |
| 12) 4,4'-DDE | 0.000 | 8.322f | 0 | 32859 | N.D. | 0.115 # |
| 13) Dieldrin | 7.687f | 8.439 | 527672 | 17934614 | 2.484 | 60.282 # |
| 14) Endrin | 7.918f | 8.663 | 20354614 | 17534574 | 119.082 | 76.576 # |
| 15) 4,4'-DDD | 7.918f | 8.702 | 20354614 | 32624118 | 124.546 | 135.586 |
| 16) Endosulfa... | 0.000 | 8.805 | 0 | 25074 | N.D. | 0.105 # |
| 17) 4,4'-DDT | 8.137 | 8.928 | 14945 | 16253 | 0.105 | 0.155 # |
| 18) Endrin Al... | 8.344 | 9.043 | 19870 | 23153 | 0.136 | 0.111 # |
| 19) Endosulfa... | 0.000 | 9.232 | 0 | 23109 | N.D. | 0.101 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.822 | 9.623 | 41003 | 18314777 | 0.215 | 73.459 # |
| 23) Hexachlor... | 3.128 | 3.616 | 18654001 | 38453531 | 100.137 | 102.653 |
| 24) Hexachlor... | 5.712 | 6.396 | 16121332 | 30280911 | 87.931 | 101.189 |
| 25) Oxychlorane | 7.192 | 7.861 | 16694243 | 28100849 | 98.338 | 104.814 |
| 26) 2,4'-DDE | 7.269 | 8.066 | 11389532 | 20155851 | 91.648 | 100.673 |
| 27) trans-Non... | 7.447 | 8.135 | 18461443 | 30885431 | 96.908 | 102.953 |
| 28) 2,4'-DDD | 7.642 | 8.439 | 10152219 | 17934614 | 93.425 | 101.850 |
| 29) 2,4'-DDT | 7.823 | 8.663 | 10194791 | 17534574 | 93.473 | 103.233 |
| 30) cis-Nonac... | 7.918 | 8.702 | 20354614 | 32624118 | 98.246 | 102.203 |
| 31) Mirex | 8.582 | 9.623 | 13081984 | 18314777 | 101.319 | 100.823 |
| 32) Chlordane... | 7.359 | 8.066f | 251505 | 20155851 | 10.775 | 511.516 # |
| 33) Chlordane... | 7.447f | 8.178 | 18461443 | 1177186 | 695.285 | 35.946 # |
| 34) Chlordane... | 0.000 | 8.848 | 0 | 27765 | N.D. | 2.713 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.447f | 8.439 | 18461443 | 17934614 | 17765.206 | 6377.008 # |
| 37) Toxaphene... | 0.000 | 8.805 | 0 | 25074 | N.D. | 7.015 # |
| 38) Toxaphene... | 8.107f | 8.848f | 16181 | 27765 | 3.969 | 4.973 # |
| 39) Toxaphene... | 8.304 | 8.887 | 7251 | 14790 | 1.846 | BelowCal # |
| 40) Toxaphene... | 8.582f | 9.043f | 13081984 | 23153 | 4264.729 | 4.685 # |
| 41) Toxaphene... | 8.582f | 0.000 | 13081984 | 0 | 3265.844 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:14
Operator : MJB
Sample : 0D14043-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 15:31
 Operator : MJB
 Sample : 0D14043-CCB2
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 14 15:48:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/14/20

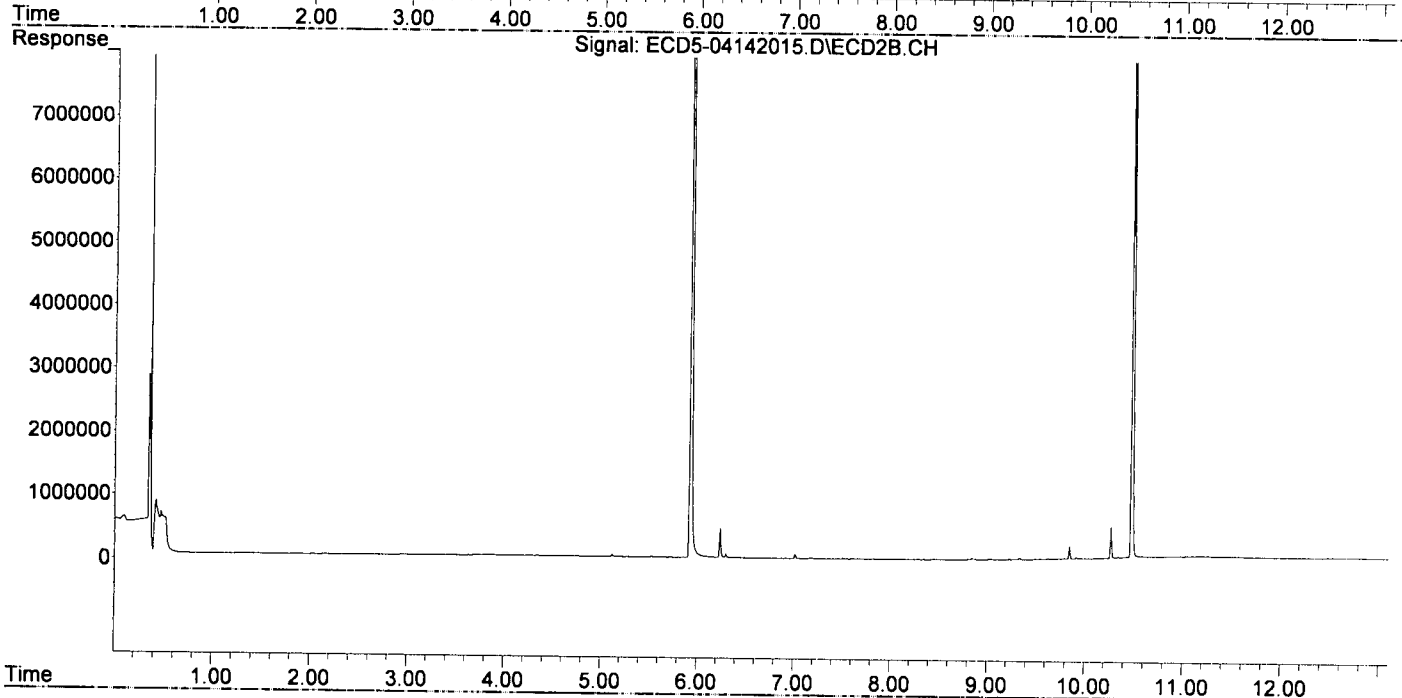
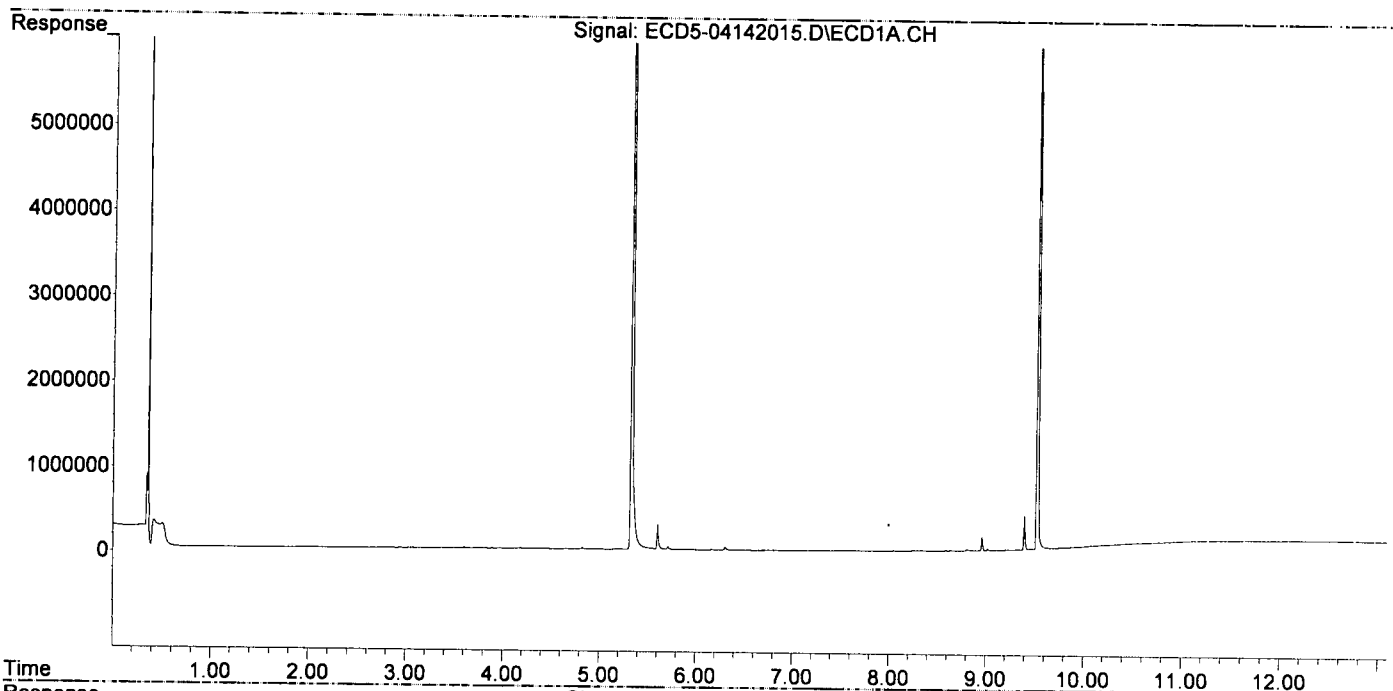
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.331 | 5.928 | 16827831 | 28580202 | 87.103 | 99.984 |
| 22) S DCBP (S) | 9.528 | 10.480 | 12791067 | 15832385 | 85.863 | 93.226 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 7.193f | 0 | 6082 | N.D. | 0.018 # |
| 6) d-BHC | 0.000 | 7.175 | 0 | 9577 | N.D. | 0.029 # |
| 7) Aldrin | 0.000 | 7.511 | 0 | 11896 | N.D. | 0.037 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.352 | 8.092 | 5662 | 4726 | 0.027 | 0.016 # |
| 10) cis-Chlor... | 7.472 | 0.000 | 2184 | 0 | 0.011 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.707 | 0.000 | 3434 | 0 | 0.016 | N.D. # |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.051 | 8.806 | 4401 | 7153 | 0.026 | 0.030 |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.339 | 9.042 | 8604 | 11429 | 0.059 | 0.055 |
| 19) Endosulfa... | 8.640 | 9.232 | 8120 | 13546 | 0.049 | 0.059 |
| 20) Methoxychlor | 8.481 | 0.000 | 2779 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.833 | 9.630 | 6719 | 11872 | 0.035 | 0.048 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.713 | 0.000 | 33001 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 7.835f | 0 | 4892 | N.D. | BelowCal |
| 26) 2,4'-DDE | 0.000 | 8.092f | 0 | 4726 | N.D. | BelowCal |
| 27) trans-Non... | 7.472f | 0.000 | 2184 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 8.586 | 9.630 | 4431 | 11872 | 5765.323 | BelowCal # |
| 32) Chlordane... | 7.352f | 8.092 | 5662 | 4726 | 0.243 | 0.120 # |
| 33) Chlordane... | 7.472 | 0.000 | 2184 | 0 | 0.082 | N.D. # |
| 34) Chlordane... | 8.051f | 8.849 | 4401 | 24245 | 0.605 | 2.369 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.472 | 0.000 | 2184 | 0 | 2.102 | N.D. # |
| 37) Toxaphene... | 0.000 | 8.806 | 0 | 7153 | N.D. | 2.001 # |
| 38) Toxaphene... | 8.051f | 8.806f | 4401 | 7153 | 1.080 | 1.281 |
| 39) Toxaphene... | 8.339f | 0.000 | 8604 | 0 | 2.190 | N.D. # |
| 40) Toxaphene... | 8.513f | 9.042f | 2188 | 11429 | 0.713 | 2.313 # |
| 41) Toxaphene... | 8.586f | 9.483f | 4431 | 4883 | 1.106 | 0.904 |
| 42) Toxaphene... | 0.000 | 3.706f | 0 | 10437 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:31
Operator : MJB
Sample : 0D14043-CCB2
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:48:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 17:48
 Operator : MJB
 Sample : 0D14043-CCV5
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 11:24:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJP
 4/15/20

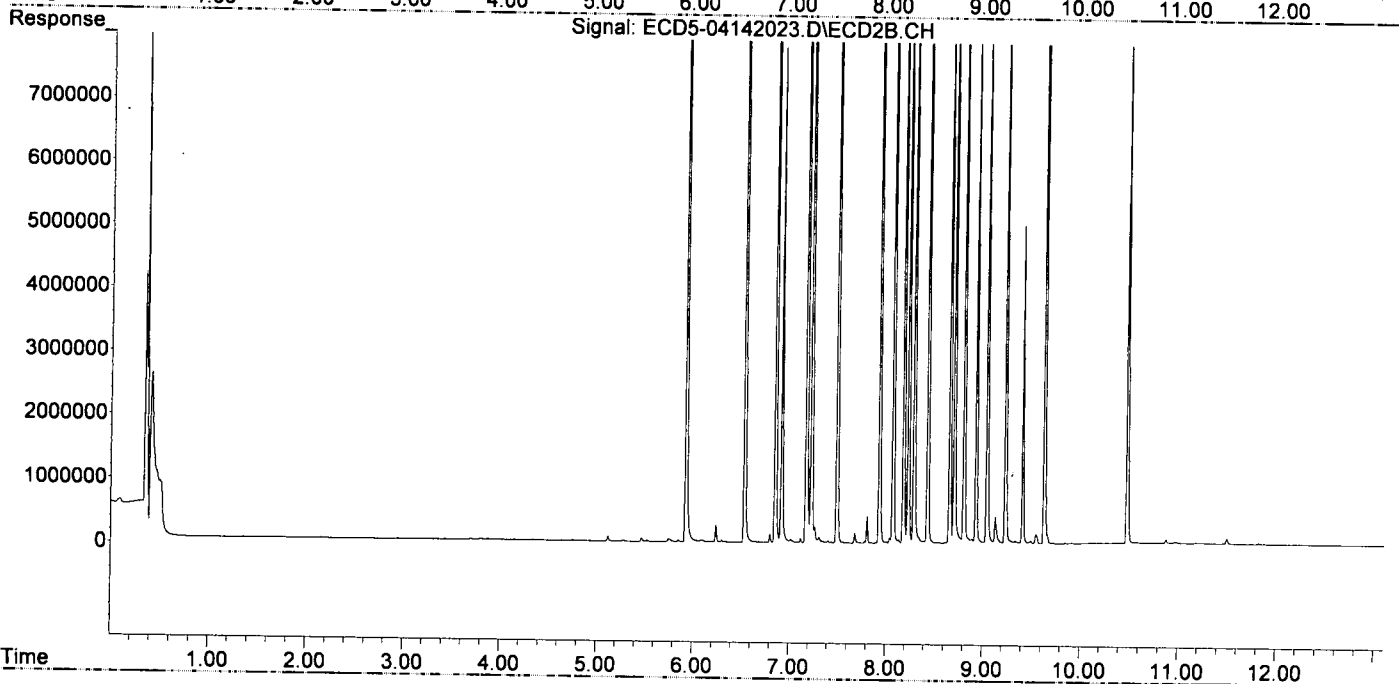
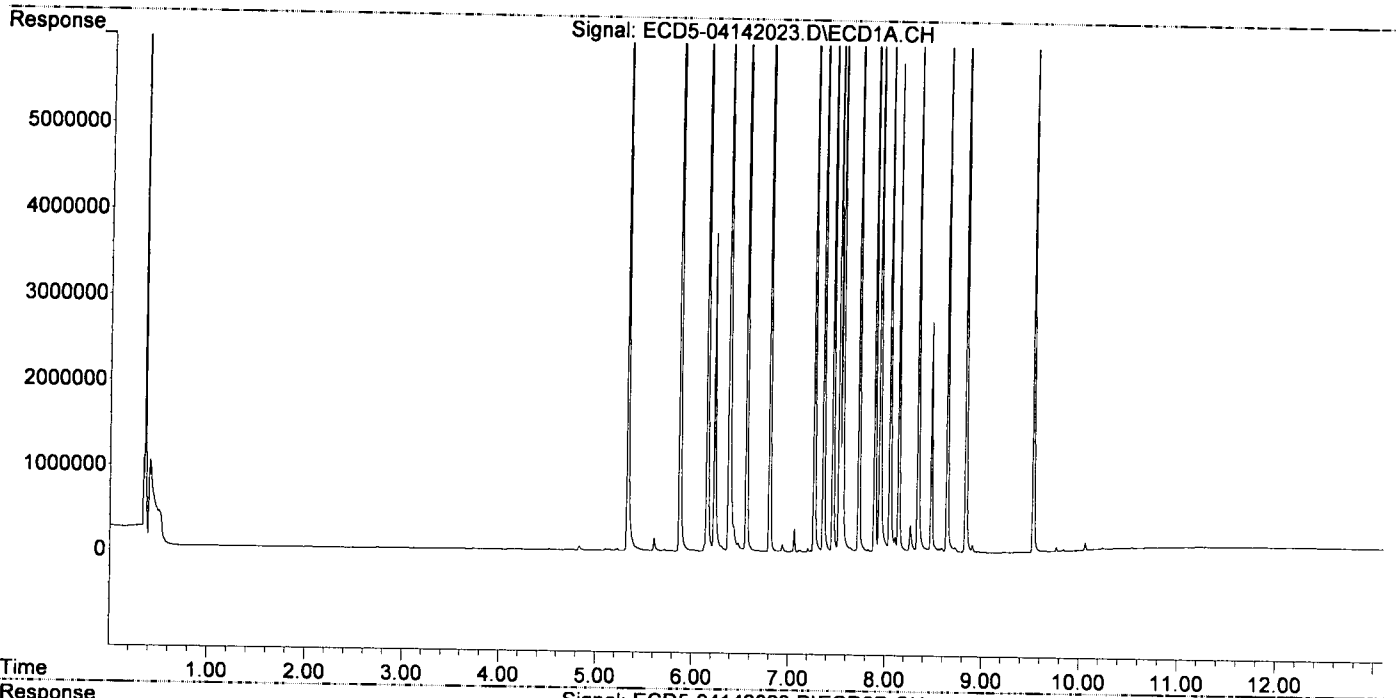
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.330 | 5.927 | 8543698 | 14485516 | 44.223 | 50.675 |
| 22) S DCBP (S) | 9.528 | 10.480 | 7232682 | 9215268 | 48.505 | 54.262 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.869 | 6.536 | 12630802 | 22702402 | 47.992 | 56.027 |
| 3) g-BHC | 6.152 | 6.854 | 10855739 | 19502552 | 47.458 | 55.128 |
| 4) b-BHC | 6.229 | 6.918 | 3723399 | 7777951 | 38.919 | 51.841 # |
| 5) Heptachlor | 6.561 | 7.227 | 10749557 | 18685497 | 48.251 | 55.753 |
| 6) d-BHC | 6.379 | 7.174 | 7570917 | 17991043 | 38.800 | 55.094 # |
| 7) Aldrin | 6.801 | 7.493 | 10919140 | 17848207 | 49.180 | 54.770 |
| 8) Heptachlo... | 7.263 | 7.932 | 9728018 | 15680432 | 47.466 | 52.681 |
| 9) trans-Chl... | 7.359 | 8.071 | 9968692 | 15960656 | 47.820 | 52.684 |
| 10) cis-Chlor... | 7.456 | 8.179 | 9717805 | 15775328 | 47.454 | 54.365 |
| 11) Endosulfa... | 7.553 | 8.229 | 9209809 | 14477295 | 47.636 | 53.281 |
| 12) 4,4'-DDE | 7.520 | 8.288 | 8603035 | 15813461 | 43.646 | 55.226 # |
| 13) Dieldrin | 7.725 | 8.430 | 10514897 | 16822268 | 49.491 | 56.543 |
| 14) Endrin | 7.889 | 8.657 | 7972514 | 12378948 | 46.642 | 54.061 |
| 15) 4,4'-DDD | 7.942 | 8.703 | 7498595 | 13584623 | 45.882 | 56.458 |
| 16) Endosulfa... | 8.046 | 8.805 | 7670950 | 12646595 | 45.784 | 52.716 |
| 17) 4,4'-DDT | 8.138 | 8.930 | 5691200 | 9978466 | 43.390 | 53.257 |
| 18) Endrin Al... | 8.337 | 9.042 | 6668276 | 10861545 | 45.557 | 52.218 |
| 19) Endosulfa... | 8.638 | 9.232 | 7578878 | 12311296 | 46.090 | 54.069 |
| 20) Methoxychlor | 8.475 | 9.409 | 2702583 | 4993288 | 40.127 | 53.378 # |
| 21) Endrin Ke... | 8.831 | 9.632 | 9300741 | 14584382 | 48.703 | 58.497 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.712 | 0.000 | 19864 | 0 | BelowCal | N.D. |
| 25) Oxychlordane | 7.199 | 7.894f | 48522 | 10378 | 0.030 | BelowCal # |
| 26) 2,4'-DDE | 7.263 | 8.071 | 9728018 | 15960656 | 78.584 | 81.177 |
| 27) trans-Non... | 7.456 | 8.132 | 9717805 | 57939 | 51.211 | BelowCal # |
| 28) 2,4'-DDD | 7.639 | 8.430 | 55119 | 16822268 | 0.240 | 95.986 # |
| 29) 2,4'-DDT | 7.822 | 8.657 | 35820 | 12378948 | 0.159 | 76.443 # |
| 30) cis-Nonac... | 7.942f | 8.703 | 7498595 | 13584623 | 36.589 | 44.887 |
| 31) Mirex | 8.587 | 9.632 | 53405 | 14584382 | 0.007 | 81.268 # |
| 32) Chlordane... | 7.359 | 8.071 | 9968692 | 15960656 | 427.069 | 405.050 |
| 33) Chlordane... | 7.456 | 8.179 | 9717805 | 15775328 | 365.987 | 481.708 # |
| 34) Chlordane... | 8.046f | 8.890f | 7670950 | 69342 | 1055.201 | 6.776 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.456 | 8.430 | 9717805 | 16822268 | 9351.317 | 5981.491 # |
| 37) Toxaphene... | 7.725f | 8.805 | 10514897 | 12646595 | BelowCal | 3538.374 |
| 38) Toxaphene... | 8.101f | 8.805f | 179425 | 12646595 | 44.014 | 2264.985 # |
| 39) Toxaphene... | 8.337 | 8.890 | 6668276 | 69342 | 1697.569 | 4.172 # |
| 40) Toxaphene... | 8.555 | 9.042f | 40020 | 10861545 | 13.047 | 2197.948 # |
| 41) Toxaphene... | 8.587f | 0.000 | 53405 | 0 | 13.332 | N.D. # |
| 42) Toxaphene... | 0.000 | 3.707f | 0 | 10502 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:48
Operator : MJB
Sample : 0D14043-CCV5
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:59 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 18:06
 Operator : MJB
 Sample : OD14043-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 11:25:03 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

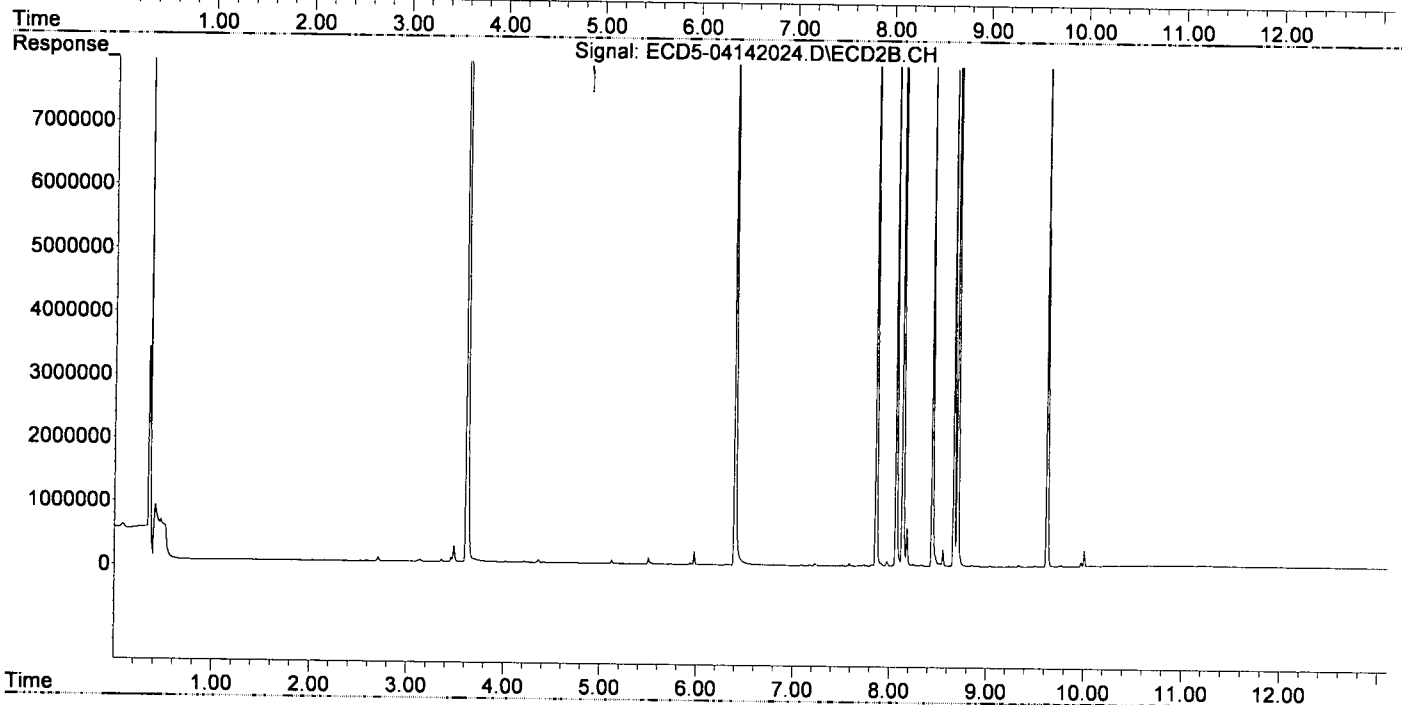
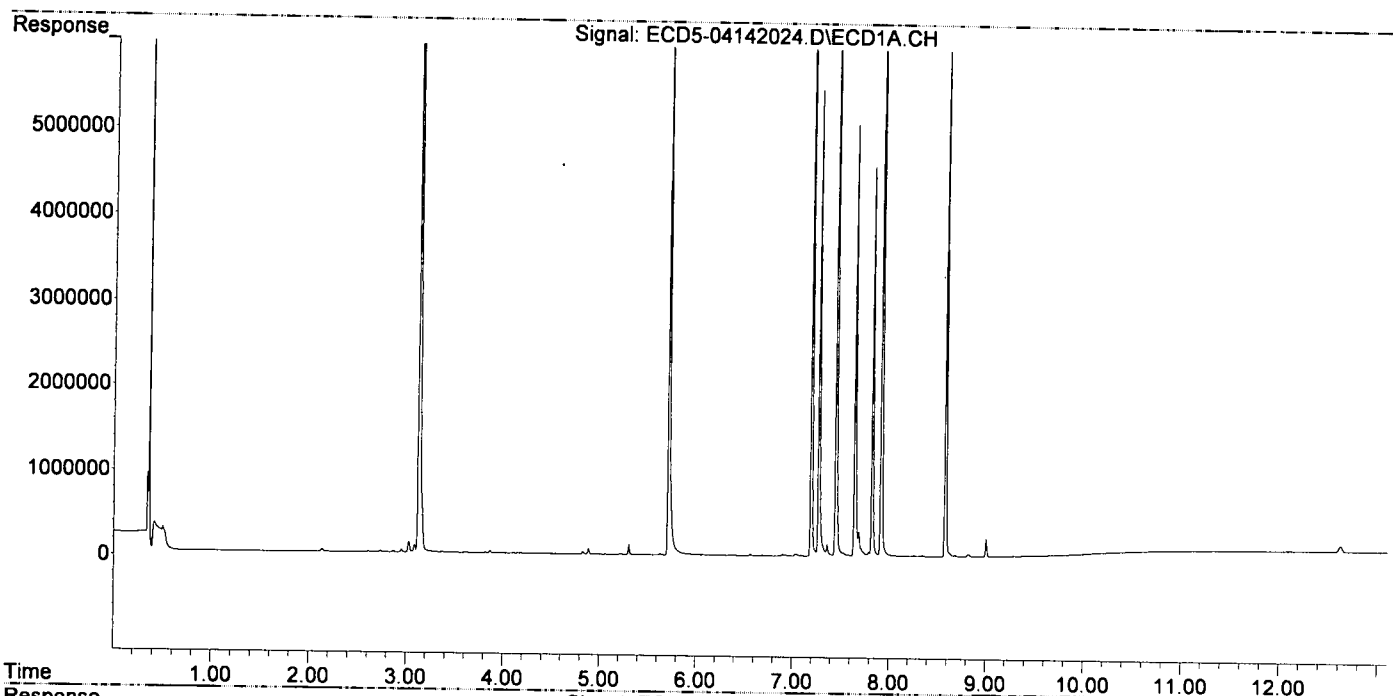
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.303f | 5.937 | 126140 | 20047 | 0.653 | 0.070 # |
| 22) S DCBP (S) | 9.528 | 10.479 | 7819 | 4252 | BelowCal | 0.025 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.126f | 0.000 | 3456 | 0 | 0.015 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.561 | 7.227 | 22554 | 39133 | 0.101 | 0.117 |
| 6) d-BHC | 6.387 | 7.175 | 4556 | 10908 | 0.023 | 0.033 # |
| 7) Aldrin | 0.000 | 7.511 | 0 | 15737 | N.D. | 0.048 # |
| 8) Heptachlo... | 7.269 | 7.973f | 5448256 | 75713 | 26.583 | 0.254 # |
| 9) trans-Chl... | 7.359 | 8.066 | 140787 | 9670549 | 0.675 | 31.921 # |
| 10) cis-Chlor... | 7.447 | 8.178 | 9228264 | 595737 | 45.063 | 2.053 # |
| 11) Endosulfa... | 7.578f | 8.243 | 18064 | 25352 | 0.093 | 0.093 |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.687f | 8.439 | 290054 | 8907726 | 1.365 | 29.941 # |
| 14) Endrin | 7.917f | 8.663 | 9687836 | 7841430 | 56.677 | 34.245 # |
| 15) 4,4'-DDD | 7.917f | 8.701 | 9687836 | 16038935 | 59.278 | 66.658 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.344 | 9.043 | 12155 | 15547 | 0.083 | 0.075 |
| 19) Endosulfa... | 0.000 | 9.232 | 0 | 15589 | N.D. | 0.068 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.822 | 9.622 | 29807 | 9256795 | 0.156 | 37.128 # |
| 23) Hexachlor... | 3.128 | 3.616 | 9780682 | 19453321 | 52.148 | 52.895 |
| 24) Hexachlor... | 5.712 | 6.395 | 7561235 | 13732597 | 41.390 | 47.678 |
| 25) Oxychlorane | 7.192 | 7.860 | 7983067 | 13223514 | 46.982 | 51.639 |
| 26) 2,4'-DDE | 7.269 | 8.066 | 5448256 | 9670549 | 44.419 | 50.600 |
| 27) trans-Non... | 7.447 | 8.135 | 9228264 | 14508960 | 48.636 | 50.688 |
| 28) 2,4'-DDD | 7.642 | 8.439 | 5025979 | 8907726 | 46.644 | 52.618 |
| 29) 2,4'-DDT | 7.823 | 8.663 | 4528858 | 7841430 | 43.500 | 50.773 |
| 30) cis-Nonac... | 7.917 | 8.701 | 9687836 | 16038935 | 47.217 | 52.625 |
| 31) Mirex | 8.582 | 9.622 | 6384670 | 9256795 | 48.787 | 52.454 |
| 32) Chlordane... | 7.359 | 8.066f | 140787 | 9670549 | 6.031 | 245.419 # |
| 33) Chlordane... | 7.447f | 8.178 | 9228264 | 595737 | 347.550 | 18.191 # |
| 34) Chlordane... | 0.000 | 8.850 | 0 | 17630 | N.D. | 1.723 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.447f | 8.439 | 9228264 | 8907726 | 8880.238 | 3167.319 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 0.000 | 8.850f | 0 | 17630 | N.D. | 3.158 # |
| 39) Toxaphene... | 8.344f | 0.000 | 12155 | 0 | 3.094 | N.D. # |
| 40) Toxaphene... | 8.582f | 9.043f | 6384670 | 15547 | 2081.403 | 3.146 # |
| 41) Toxaphene... | 8.582f | 0.000 | 6384670 | 0 | 1593.897 | N.D. # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:06
Operator : MJB
Sample : 0D14043-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:03 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
 Data File : ECD5-04142025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Apr 2020 18:23
 Operator : MJB
 Sample : 0D14043-CCB3
 Misc : A20C404
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 15 11:25:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/15/20

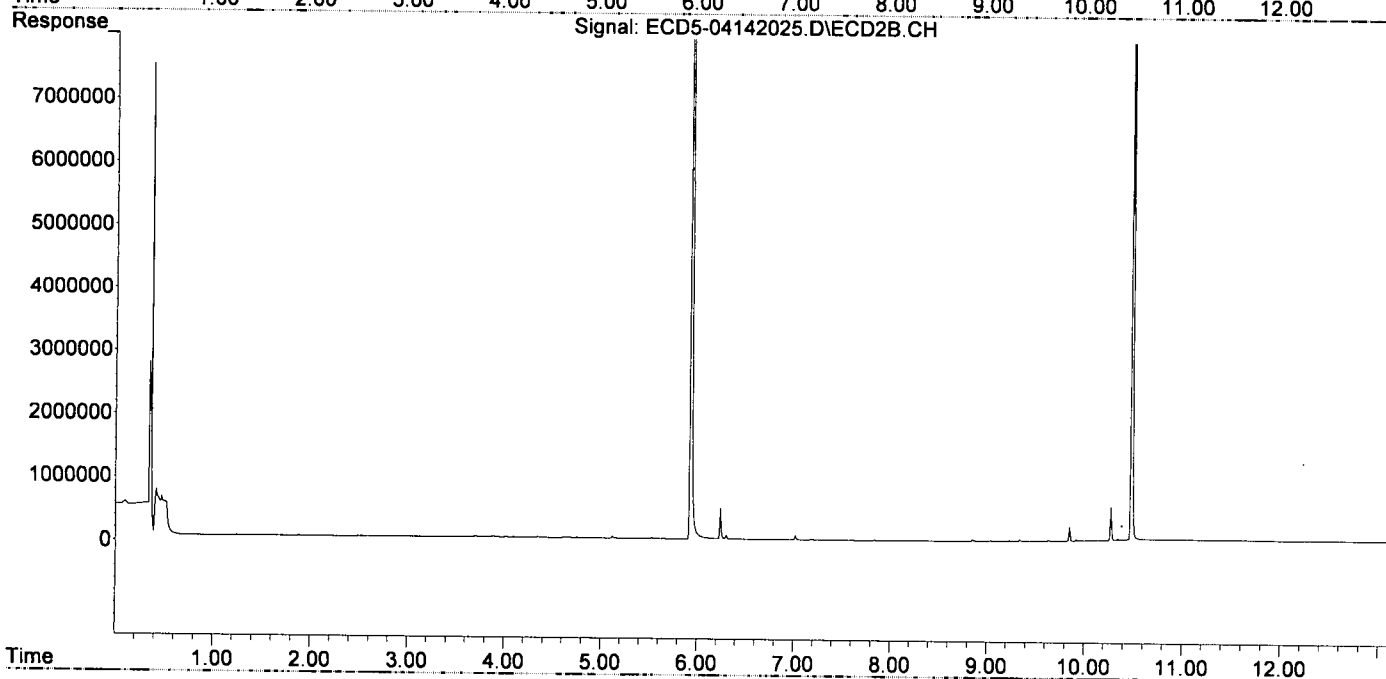
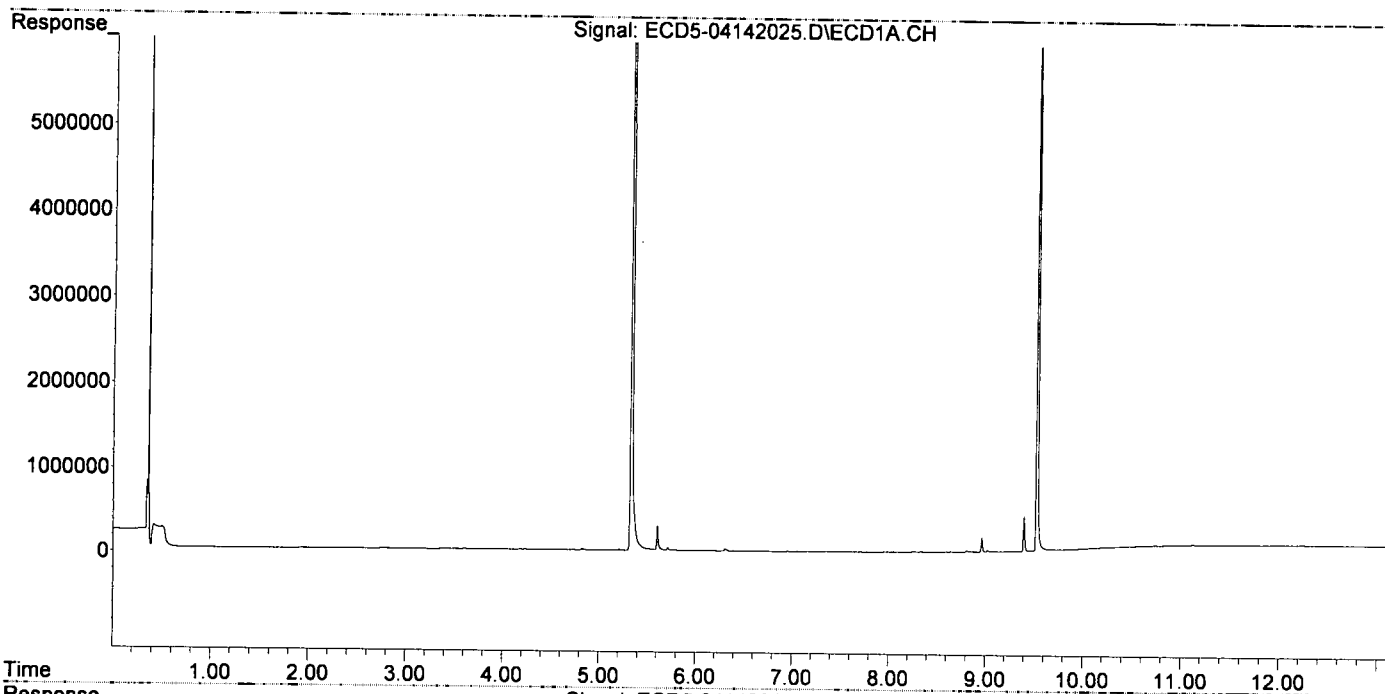
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.330 | 5.928 | 16649122 | 29737982 | 86.178 | 104.034 |
| 22) S DCBP (S) | 9.528 | 10.480 | 13126298 | 16459765 | 88.114 | 96.920 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 7.194f | 0 | 7714 | N.D. | 0.023 # |
| 6) d-BHC | 0.000 | 7.176 | 0 | 8461 | N.D. | 0.026 # |
| 7) Aldrin | 0.000 | 7.511 | 0 | 11704 | N.D. | 0.036 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.354 | 0.000 | 5193 | 0 | 0.025 | N.D. # |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.708 | 0.000 | 3137 | 0 | 0.015 | N.D. # |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.051 | 8.805 | 3381 | 6231 | 0.020 | 0.026 # |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.339 | 9.041 | 7195 | 9617 | 0.049 | 0.046 |
| 19) Endosulfa... | 8.641 | 9.232 | 5927 | 11009 | 0.036 | 0.048 # |
| 20) Methoxychlor | 8.485 | 0.000 | 2048 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.809f | 9.629 | 16629 | 10636 | 0.087 | 0.043 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.712 | 0.000 | 34354 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 7.836f | 0 | 5122 | N.D. | BelowCal |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 8.587 | 9.629 | 3383 | 10636 | 5765.331 | BelowCal # |
| 32) Chlordane... | 7.354f | 0.000 | 5193 | 0 | 0.222 | N.D. # |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 34) Chlordane... | 8.051f | 8.850 | 3381 | 21527 | 0.465 | 2.104 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 86) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 37) Toxaphene... | 0.000 | 8.805 | 0 | 6231 | N.D. | 1.743 # |
| 38) Toxaphene... | 8.051f | 8.805f | 3381 | 6231 | 0.829 | 1.116 # |
| 39) Toxaphene... | 8.339f | 0.000 | 7195 | 0 | 1.832 | N.D. # |
| 40) Toxaphene... | 8.515f | 9.041f | 2064 | 9617 | 0.673 | 1.946 # |
| 41) Toxaphene... | 8.587f | 9.482f | 3383 | 5692 | 0.845 | 1.053 |
| 42) Toxaphene... | 0.000 | 3.706f | 0 | 10557 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:23
Operator : MJB
Sample : 0D14043-CCB3
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Batch 0040473

Sequence 0D20044 (A0D0212-01RE1,04RE1,05RE1,06RE1,07RE1,
08RE1,09RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040473 (Sediment)

APR 24 2020

Prep Method: EPA 3546/3640A (GPC)

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|---|---------------|---------------------------------|----------------|-------------|------------|----------|---------------|----------|----------|--------------------------|------------------------------------|----|---|-----|
| | | | | | | | | | | | | <2 | 5 | >11 |
| | 0040473-BLK1 | QC | 04/10/20 08:43 | 11 | 10 | | | | 100 | | | | | |
| | 0040473-BS1 | QC | 04/10/20 08:43 | 10 | 10 | A20C413 | | 100 | 100 | | | | | |
| | A0D0212-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.32 | 10 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP, MDL. Use Custom Spike. | | | |
| | 0040473-DUP1 | QC | 04/10/20 08:43 | 10.5 | 10 | | A0D0212-01RE1 | | 100 | | | | | |
| | 0040473-MS1 | QC | 04/10/20 08:43 | 10.4 | 10 | A20C413 | A0D0212-01RE1 | 100 | 100 | | | | | |
| | 0040473-MSD1 | QC | 04/10/20 08:43 | 10.28 | 10 | A20C413 | A0D0212-01RE1 | 100 | 100 | | | | | |
| | A0D0212-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.34 | 10 | | | | 100 | PDI-077SC-A-06-07-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-05RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.17 | 10 | | | | 100 | PDI-077SC-A-07-08-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-06RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.61 | 10 | | | | 100 | PDI-077SC-A-08-09-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-07RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.31 | 10 | | | | 100 | PDI-077SC-A-09-10-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-08RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.66 | 10 | | | | 100 | PDI-077SC-A-10-11-191014 | MDL. Use Custom Spike. | | | |
| | A0D0212-09RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.26 | 10 | | | | 100 | PDI-077SC-A-11-12-191014 | MDL. Use Custom Spike. | | | |

Standards/Reagents

Reagent(s)

| Std ID | Exp. Date | Description |
|---------|-----------|-------------------------|
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US |

Analyte Spike(s)

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

Surrogate(s)

| Std ID | Exp. Date | Description |
|---------|-----------|--------------------------|
| A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |

From 0040366 on 4/14/2020 by gwh

Prepared By: _____ Date: _____

Reviewed By: MJB Date: 4/21/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040473 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

In Out

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | | |
|----|---------------|---------------------------------|----------------|-------------|------------|---------------|---------------|----------|----------|---------------------------|------------------------------------|-----|------|-----|-------|
| | | | | | | | | | | | | <2 | 2-11 | >11 | |
| 8 | 0040473-BLK1 | QC | 04/10/20 08:43 | 11 | 5/10 | | | | 100 | | 1ml | 2ml | | | |
| 9 | 0040473-BS1 | QC | 04/10/20 08:43 | 10 | 8/10 | A20C413 | | 100 | 100 | | 1ml | 2ml | | | |
| 10 | A0D0212-01RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.32 | 5/10 | | | | 100 | PDI-077SC-A-03 -04-191014 | MS/MSD/DUP, MDL. Use Custom Spike. | 1ml | 2ml | | |
| 11 | 0040473-DUPT | QC | 04/10/20 08:43 | 10.5 | 5/10 | A0D0212-01RE1 | | | 100 | | | 1ml | 2ml | | |
| 12 | 0040473-MS1 | QC | 04/10/20 08:43 | 10.4 | 5/10 | A20C413 | A0D0212-01RE1 | 100 | 100 | | | 1ml | 2ml | | |
| 13 | 0040473-MSD1 | QC | 04/10/20 08:43 | 10.28 | 5/10 | A20C413 | A0D0212-01RE1 | 100 | 100 | | | 1ml | 2ml | | |
| 14 | A0D0212-04RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.34 | 5/10 | | | | 100 | PDI-077SC-A-06 -07-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | (S) |
| 15 | A0D0212-05RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.17 | 5/10 | | | | 100 | PDI-077SC-A-07 -08-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | (S) P |
| 16 | A0D0212-06RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.61 | 5/10 | | | | 100 | PDI-077SC-A-08 -09-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 17 | A0D0212-07RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.31 | 5/10 | | | | 100 | PDI-077SC-A-09 -10-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 18 | A0D0212-08RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.66 | 5/10 | | | | 100 | PDI-077SC-A-10 -11-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | |
| 19 | A0D0212-09RE1 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10.26 | 5/10 | | | | 100 | PDI-077SC-A-11 -12-191014 | MDL. Use Custom Spike. | 1ml | 2ml | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|-------------------------|------------------|-----------|--------------------------------------|--------------|-----------|--------------------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A20A032 | 06/30/23 | n-Hexane Lot# 197051 | A20C413 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

From 0040366 on 4/14/2020 by gwh

on EPC #1

(S) = Staining on turbovap during solvent exchange.

P = precipitate formed during solvent exchange

Prepared By: AJT Date: 4-15-20

Reviewed By: SCG Date: 04/16/2020



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0040366 (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 | >11 | |
| 1 | 0040366-BLK1 | QC | 04/10/20 08:43 | 10 11.00 | 5 | | | | 100 | | | | | | |
| 2 | 0040366-BS1 | QC | 04/10/20 08:43 | 10 | 5 | A20C413 | | 100 | 100 | | | | | | |
| 3 | A0D0212-01 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.32 | 5 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP, MDL. Use Custom Spike. <i>mud</i> | | | | |
| 4 | 0040366-DUPE | QC | 04/10/20 08:43 | 10 10.50 | 5 | | A0D0212-01 | | 100 | | | | | | |
| 5 | 0040366-MS1 | QC | 04/10/20 08:43 | 10 10.40 | 5 | A20C413 | A0D0212-01 | 100 | 100 | | | | | | |
| 6 | 0040366-MSD1 | QC | 04/10/20 08:43 | 10 10.28 | 5 | A20C413 | A0D0212-01 | 100 | 100 | | | | | | |
| 7 | A0D0212-04 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.34 | 5 | | | | 100 | PDI-077SC-A-06-07-191014 | MDL. Use Custom Spike. <i>mud</i> | | | | |
| 8 | A0D0212-05 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.17 | 5 | | | | 100 | PDI-077SC-A-07-08-191014 | MDL. Use Custom Spike. <i>mud</i> | | | | |
| 9 | A0D0212-06 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.61 | 5 | | | | 100 | PDI-077SC-A-08-09-191014 | MDL. Use Custom Spike. <i>mud</i> | | | | |
| 10 | A0D0212-07 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.31 | 5 | | | | 100 | PDI-077SC-A-09-10-191014 | MDL. Use Custom Spike. <i>Sand</i> | | | | |
| 11 | A0D0212-08 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.60 | 5 | | | | 100 | PDI-077SC-A-10-11-191014 | MDL. Use Custom Spike. <i>Sand</i> | | | | |
| 12 | A0D0212-09 | A 8081B 2,4+4,4-DDx Only (+Add) | 04/10/20 08:43 | 10 10.20 | 5 | | | | 100 | PDI-077SC-A-11-12-191014 | MDL. Use Custom Spike. <i>Sand</i> | | | | |

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 | A20C413 | 09/25/20 | 2,4 + 4,4 DDx Pesticide Matrix Spike | A20C363 | 09/20/20 | 8082 PCB Surrogate Spike |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A19K010 | 10/29/25 | Sodium Sulfate Lot # 188777 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved. *yes*
 Initial: *ASJ*

Witness: *JAG*

Prepared By: *ASJ* Date: *4-10-20*

Reviewed By: *Cas* Date: *04/10/2020*



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D20044
Date: 04/20/20 11:40

Instrument: DUALECD5
Calibration: A0C2504

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|-------------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D20044-BKD1 | Sediment | QC | QC | | | | |
| 2 | 0D20044-CCV1 | Sediment | QC | QC | | | | A20C091 |
| 3 | 0D20044-CCV2 | Sediment | QC | QC | | | | A20C183 |
| 4 | 0D20044-CCB1 | Sediment | QC | QC | | | | A20C358 |
| 5 | 0040473-BLK1 | Sediment | QC | QC | | | | A20C404 |
| 6 | 0040473-BS1 | Sediment | QC | QC | | 0040473 | | |
| 7 | A0D0212-08RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 8 | A0D0212-09RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 9 | A0D0212-01RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 10 | 0D20044-IBL1 | Sediment | QC | QC | | | | |
| 11 | 0040473-DUP1 | Sediment | QC | QC | | 0040473 | | |
| 12 | 0D20044-IBL2 | Sediment | QC | QC | | | | |
| 13 | 0040473-MS1 | Sediment | QC | QC | | 0040473 | | |
| 14 | 0D20044-IBL3 | Sediment | QC | QC | | | | |
| 15 | 0040473-MSD1 | Sediment | QC | QC | | 0040473 | | |
| 16 | 0D20044-IBL4 | Sediment | QC | QC | | | | |
| 17 | 0D20044-CCV3 | Sediment | QC | QC | | | | A20C184 |
| 18 | 0D20044-CCV4 | Sediment | QC | QC | | | | A20C359 |
| 19 | 0D20044-CCB2 | Sediment | QC | QC | | | | A20C404 |
| 20 | A0D0212-04RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 21 | 0D20044-IBL5 | Sediment | QC | QC | | | | |
| 22 | A0D0212-05RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 23 | 0D20044-IBL6 | Sediment | QC | QC | | | | |
| 24 | A0D0212-06RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 25 | 0D20044-IBL7 | Sediment | QC | QC | | | | |
| 26 | A0D0212-07RE1 | Sediment | 8081B 2,4+4,4-DDx Only (+Add) | Anchor QEA, LLC | 04/22/20 | 0040473 | | |
| 27 | 0D20044-IBL8 | Sediment | QC | QC | | | | |
| 28 | 0D20044-CCV5 | Sediment | QC | QC | | | | A20C183 |
| 29 | 0D20044-CCV6 | Sediment | QC | QC | | | | A20C358 |
| 30 | 0D20044-CCB3 | Sediment | QC | QC | | | | A20C404 |

Data Entered By: MJB 4/21/20

Comments:

Data Reviewed By: MJB 4/22/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D20044 BKD1
Data File: ECD5-04202003.D

| First Column Area Counts | | Percent Breakdown | |
|--------------------------|-----------|-------------------|------|
| DDE | 774877 | | |
| DDD | 7814742 | | |
| DDT | 141306449 | 5.73 | PASS |
| Endrin | 81425654 | 12.26 | PASS |
| Endrin Aldehyde | 3351891 | | |
| Endrin Ketone | 8021339 | | |

| Second Column Area Counts | | Percent Breakdown | |
|---------------------------|-----------|-------------------|------|
| DDE | 1146918 | | |
| DDD | 10922597 | | |
| DDT | 177117320 | 6.38 | PASS |
| Endrin | 99614410 | 12.15 | PASS |
| Endrin Aldehyde | 3750811 | | |
| Endrin Ketone | 10023781 | | |

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

MB
4/21/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 12:31
 Operator : MJB
 Sample : 0D20044-BKD1
 Misc : A20C091
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 20 12:46:10 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

| Compound | R.T. | Response | Conc | Units |
|--------------------------|-------|-----------|-------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) 4,4'-DDE | 7.485 | 774877 | NoCal | ng/mL |
| 2) Endrin | 7.854 | 81425654 | NoCal | ng/mL |
| 3) 4,4'-DDD | 7.906 | 7814742 | NoCal | ng/mL |
| 4) 4,4'-DDT | 8.103 | 141306449 | NoCal | ng/mL |
| 5) Endrin Aldehyde | 8.301 | 3351891 | NoCal | ng/mL |
| 6) Endrin Ketone | 8.795 | 8021339 | NoCal | ng/mL |
| 8) 4,4'-DDE [2C] | 8.253 | 1146918 | NoCal | ng/mL |
| 9) Endrin [2C] | 8.622 | 99614410 | NoCal | ng/mL |
| 10) 4,4'-DDD [2C] | 8.669 | 10922597 | NoCal | ng/mL |
| 11) Endrin Aldehyde [2C] | 9.006 | 3750811 | NoCal | ng/mL |
| 12) 4,4'-DDT [2C] | 8.896 | 177117320 | NoCal | ng/mL |
| 13) Endrin Ketone [2C] | 9.595 | 10023781 | NoCal | ng/mL |

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

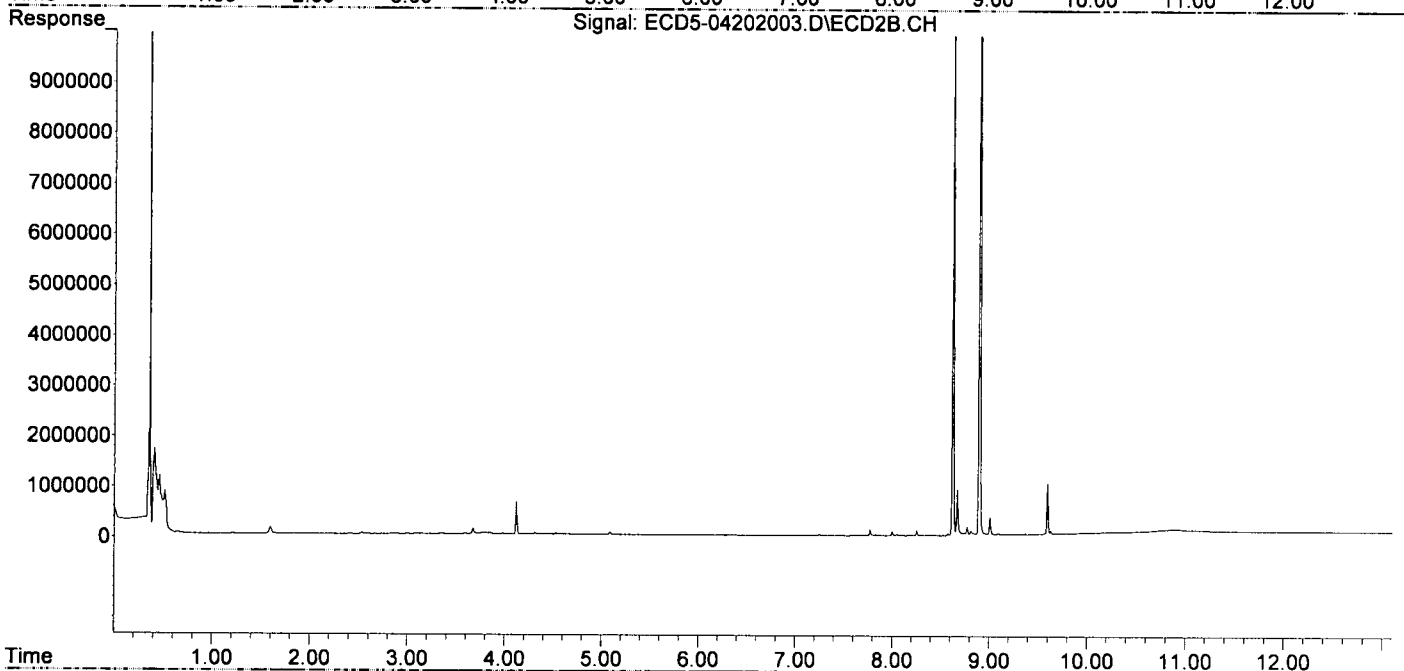
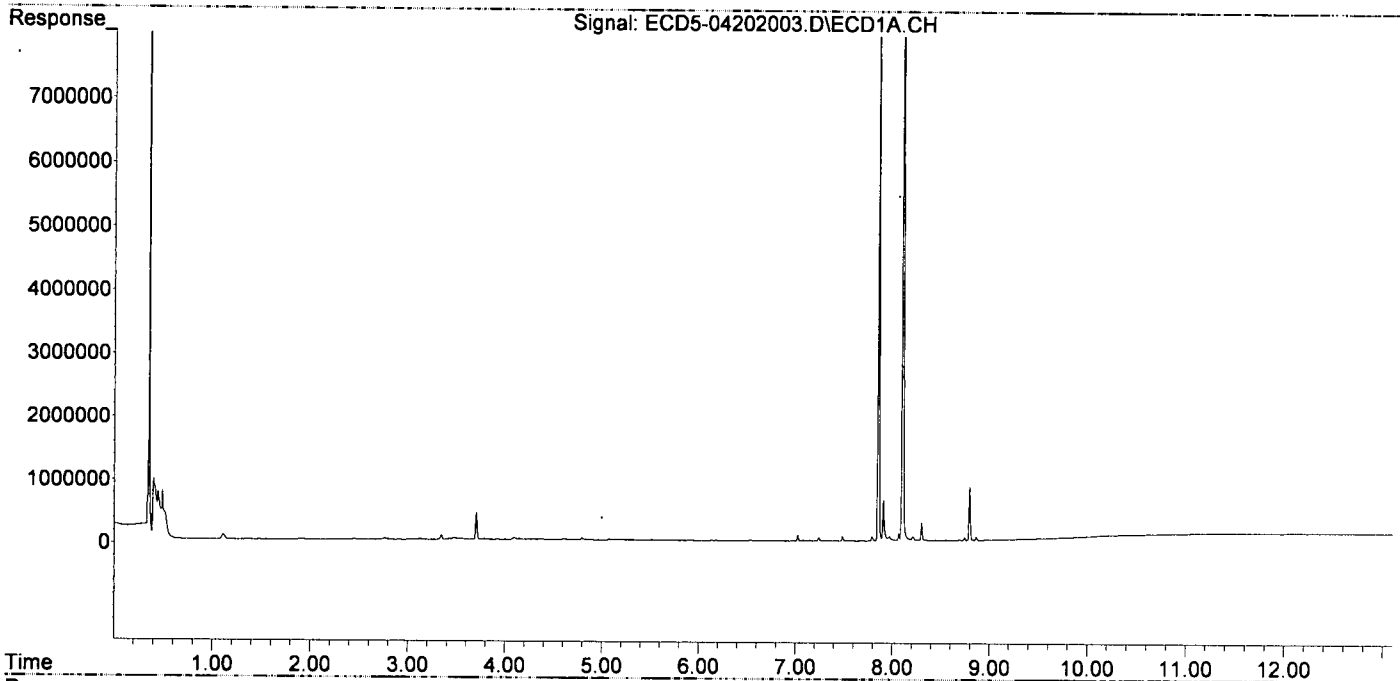
MJB
4/21/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 12:31
Operator : MJB
Sample : 0D20044-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 20 12:46:10 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 12:49
 Operator : MJB
 Sample : OD20044-CCV1
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:18 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

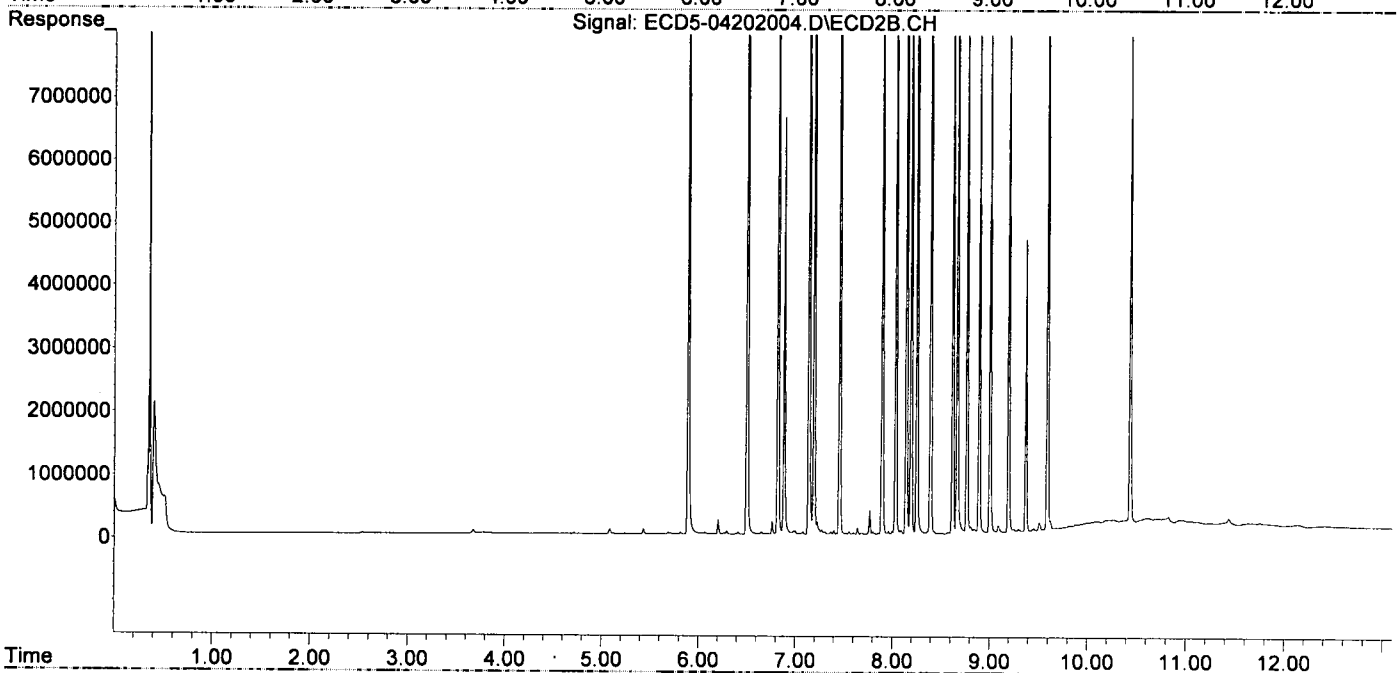
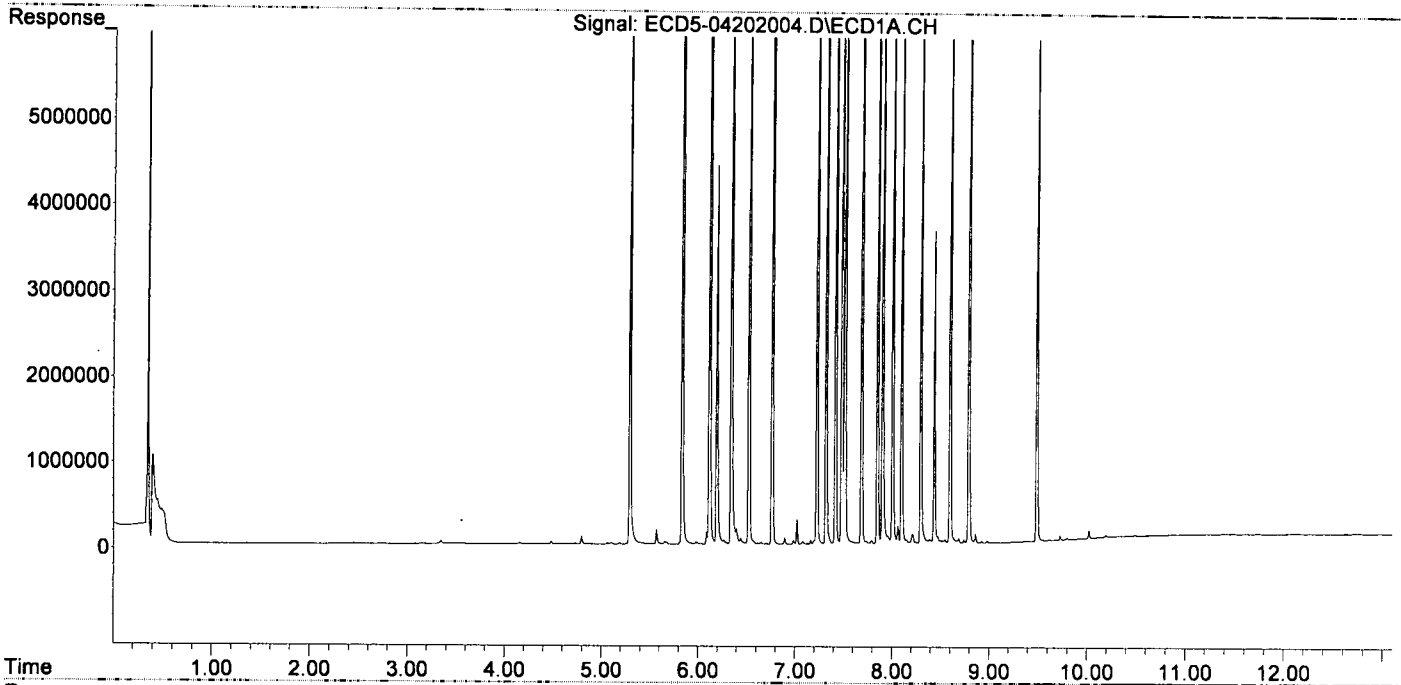
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.296 | 5.893 | 9191766 | 12753344 | 47.578 | 44.616 |
| 22) S DCBP (S) | 9.491 | 10.439 | 7704602 | 8194318 | 51.679 | 48.250 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.835 | 6.501 | 13508678 | 19252370 | 51.328 | 47.513 |
| 3) g-BHC | 6.118 | 6.819 | 11342994 | 16626489 | 49.588 | 46.999 |
| 4) b-BHC | 6.194 | 6.884 | 4389786 | 6594191 | 45.885 | 43.951 |
| 5) Heptachlor | 6.526 | 7.193 | 10722990 | 15337890 | 48.132 | 45.765 |
| 6) d-BHC | 6.342 | 7.139 | 10477483 | 15939344 | 53.696 | 48.811 |
| 7) Aldrin | 6.766 | 7.457 | 11458124 | 15921353 | 51.608 | 48.857 |
| 8) Heptachlo... | 7.228 | 7.896 | 10157589 | 14028065 | 49.561 | 47.130 |
| 9) trans-Chl... | 7.322 | 8.036 | 10651088 | 14225838 | 51.094 | 46.958 |
| 10) cis-Chlor... | 7.419 | 8.144 | 10067900 | 13650757 | 49.163 | 47.043 |
| 11) Endosulfa... | 7.516 | 8.194 | 9470596 | 12932356 | 48.984 | 47.595 |
| 12) 4,4'-DDE | 7.483 | 8.253 | 10263721 | 14327069 | 52.071 | 50.035 |
| 13) Dieldrin | 7.688 | 8.394 | 10855235 | 14238180 | 51.093 | 47.857 |
| 14) Endrin | 7.853 | 8.622 | 8582195 | 10945976 | 50.209 | 47.803 |
| 15) 4,4'-DDD | 7.904 | 8.668 | 8027654 | 11483375 | 49.120 | 47.725 |
| 16) Endosulfa... | 8.009 | 8.769 | 8166549 | 11237125 | 48.742 | 46.841 |
| 17) 4,4'-DDT | 8.101 | 8.894 | 7303790 | 9373420 | 54.678 | 50.415 |
| 18) Endrin Al... | 8.299 | 9.006 | 7095527 | 9306472 | 48.476 | 44.742 |
| 19) Endosulfa... | 8.601 | 9.196 | 8174491 | 10845133 | 49.713 | 47.630 |
| 20) Methoxychlor | 8.438 | 9.374 | 3648154 | 4600666 | 53.442 | 49.568 |
| 21) Endrin Ke... | 8.794 | 9.595 | 9638066 | 12282740 | 50.469 | 49.265 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.658 | 6.383f | 31730 | 5854 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.164 | 7.802f | 51020 | 42420 | 0.045 | BelowCal # |
| 26) 2,4'-DDE | 7.228 | 8.036 | 10157589 | 14225838 | 81.972 | 72.914 |
| 27) trans-Non... | 7.419 | 8.094 | 10067900 | 51798 | 53.052 | BelowCal # |
| 28) 2,4'-DDD | 0.000 | 8.394 | 0 | 14238180 | N.D. | 82.154 # |
| 29) 2,4'-DDT | 7.791 | 8.622 | 34632 | 10945976 | 0.147 | 68.573 # |
| 30) cis-Nonac... | 7.853f | 8.668 | 8582195 | 11483375 | 41.856 | 38.170 |
| 31) Mirex | 8.548 | 9.595 | 43711 | 12282740 | 5765.023 | 68.953 # |
| 32) Chlordane... | 0.000 | 8.094 | 0 | 51798 | N.D. | 1.315 # |
| 33) Chlordane... | 7.483f | 8.194 | 10263721 | 12932356 | 386.547 | 394.896 |
| 34) Chlordane... | 8.009 | 8.846 | 8166549 | 59562 | 1123.375 | 5.820 # |
| 35) Chlordane... | 3.699f | 3.676f | 4084 | 57197 | NoCal | NoCal |
| 36) Toxaphene... | 7.483f | 8.394f | 10263721 | 14238180 | 9876.644 | 5062.668 # |
| 37) Toxaphene... | 0.000 | 8.769 | 0 | 11237125 | N.D. | 3144.020 # |
| 38) Toxaphene... | 8.064 | 8.809 | 199337 | 103112 | 48.898 | 18.467 # |
| 39) Toxaphene... | 8.299 | 8.894 | 7095527 | 9373420 | 1806.336 | 1068.036 # |
| 40) Toxaphene... | 8.519 | 9.092f | 27776 | 107299 | 9.055 | 21.713 # |
| 41) Toxaphene... | 8.601 | 9.458 | 8174491 | 32983 | 2040.716 | 6.103 # |
| 42) Toxaphene... | 3.699f | 3.676f | 4084 | 57197 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 12:49
Operator : MJB
Sample : 0D20044-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 13:06
 Operator : MJB
 Sample : OD20044-CCV2
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

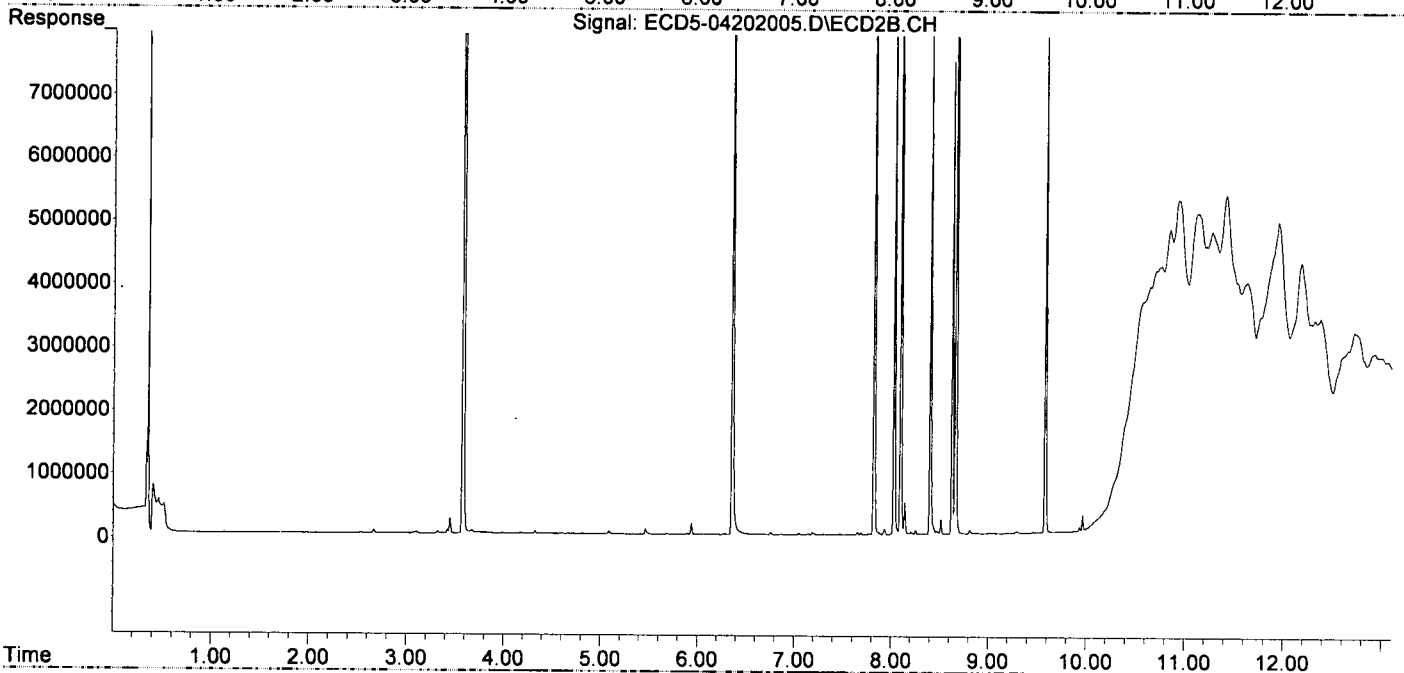
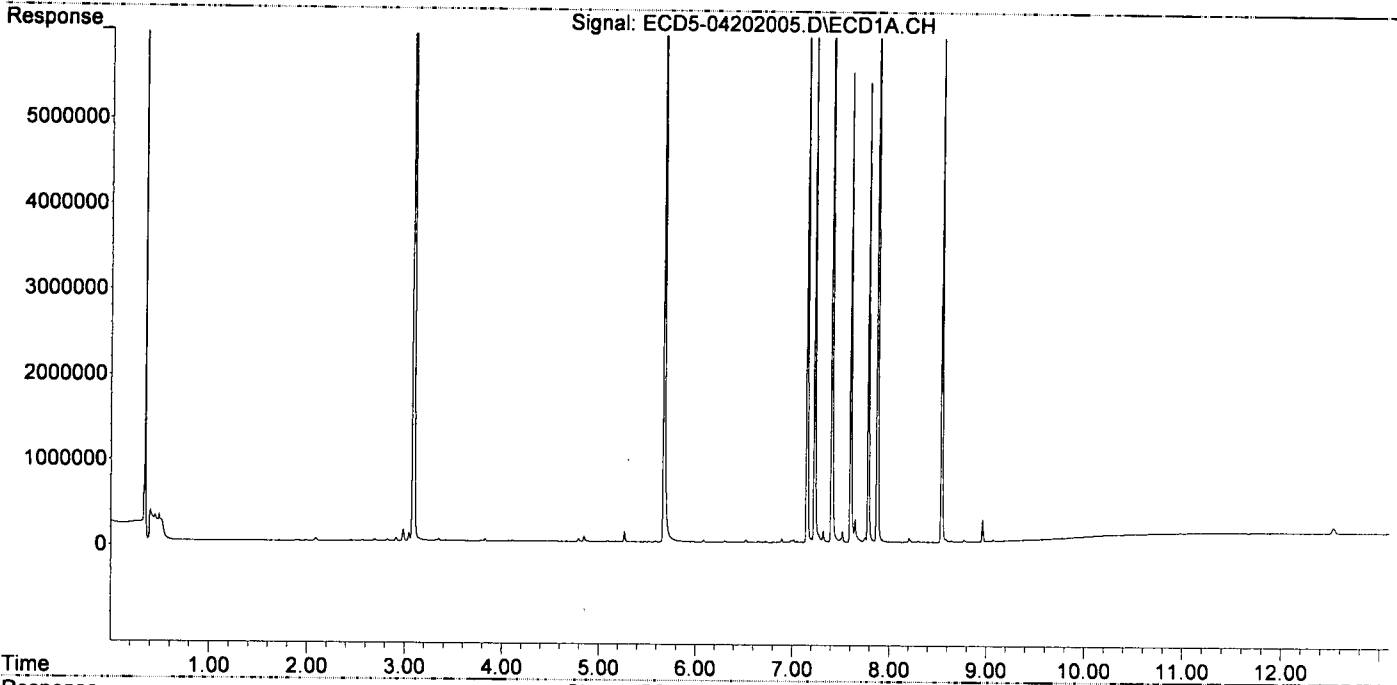
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.267f | 5.897 | 124192 | 13369 | 0.643 | 0.047 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.086f | 0.000 | 27579 | 0 | 0.121 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.523 | 7.190 | 30953 | 43022 | 0.139 | 0.128 |
| 6) d-BHC | 6.343 | 7.152 | 3725 | 13676 | 0.019 | 0.042 # |
| 7) Aldrin | 6.726f | 7.474 | 9942 | 18288 | 0.045 | 0.056 # |
| 8) Heptachlo... | 7.231 | 7.935f | 6287621 | 94491 | 30.679 | 0.317 # |
| 9) trans-Chl... | 7.321 | 8.030 | 135500 | 9087002 | 0.650 | 29.995 # |
| 10) cis-Chlor... | 7.409 | 8.142 | 9806751 | 507569 | 47.888 | 1.749 # |
| 11) Endosulfa... | 7.518 | 8.205 | 130481 | 40724 | 0.675 | 0.150 # |
| 12) 4,4'-DDE | 7.518f | 8.254 | 130481 | 69784 | 0.662 | 0.244 # |
| 13) Dieldrin | 7.650f | 8.403 | 266424 | 8106437 | 1.254 | 27.247 # |
| 14) Endrin | 7.878f | 8.626 | 10564268 | 7454807 | 61.805 | 32.556 # |
| 15) 4,4'-DDD | 7.878f | 8.664 | 10564268 | 14922434 | 64.641 | 62.018 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.100 | 8.875 | 6655 | 3878 | 0.037 | 0.078 # |
| 18) Endrin Al... | 8.304 | 9.006 | 18455 | 11723 | 0.126 | 0.056 # |
| 19) Endosulfa... | 0.000 | 9.195 | 0 | 9912 | N.D. | 0.044 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.770f | 9.584 | 23285 | 8436230 | 0.122 | 33.837 # |
| 23) Hexachlor... | 3.090 | 3.579 | 10537140 | 18543805 | 56.222 | 50.462 |
| 24) Hexachlor... | 5.675 | 6.359 | 8413714 | 13020383 | 46.055 | 45.278 |
| 25) Oxychlordane | 7.154 | 7.824 | 8469514 | 11831487 | 49.855 | 46.403 |
| 26) 2,4'-DDE | 7.231 | 8.030 | 6287621 | 9087002 | 51.179 | 47.673 |
| 27) trans-Non... | 7.409 | 8.098 | 9806751 | 13951941 | 51.679 | 48.821 |
| 28) 2,4'-DDD | 7.603 | 8.403 | 5458504 | 8106437 | 50.633 | 48.051 |
| 29) 2,4'-DDT | 7.785 | 8.626 | 5388495 | 7454807 | 51.386 | 48.478 |
| 30) cis-Nonac... | 7.878 | 8.664 | 10564268 | 14922434 | 51.456 | 49.119 |
| 31) Mirex | 8.543 | 9.584 | 6478976 | 8436230 | 49.520 | 47.916 |
| 32) Chlordane... | 0.000 | 8.098f | 0 | 13951941 | N.D. | 354.073 # |
| 33) Chlordane... | 0.000 | 8.205f | 0 | 40724 | N.D. | 1.244 # |
| 34) Chlordane... | 0.000 | 8.849 | 0 | 5912 | N.D. | 0.578 # |
| 35) Chlordane... | 0.000 | 3.675f | 0 | 44270 | N.D. | NoCal |
| 36) Toxaphene... | 0.000 | 8.403f | 0 | 8106437 | N.D. | 2882.405 # |
| 37) Toxaphene... | 7.752 | 8.810f | 57848 | 61506 | 28.374 | 17.209 # |
| 38) Toxaphene... | 8.069 | 8.810 | 7657 | 61506 | 1.878 | 11.016 # |
| 39) Toxaphene... | 8.304 | 8.875 | 18455 | 3878 | 4.698 | BelowCal # |
| 40) Toxaphene... | 8.543 | 0.000 | 6478976 | 0 | 2112.147 | N.D. # |
| 41) Toxaphene... | 0.000 | 9.462f | 0 | 18633 | N.D. | 3.448 # |
| 42) Toxaphene... | 0.000 | 3.675f | 0 | 44270 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:06
Operator : MJB
Sample : 0D20044-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:23 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 13:23
 Operator : MJB
 Sample : 0D20044-CCB1
 Misc : A20C404
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 15:38:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

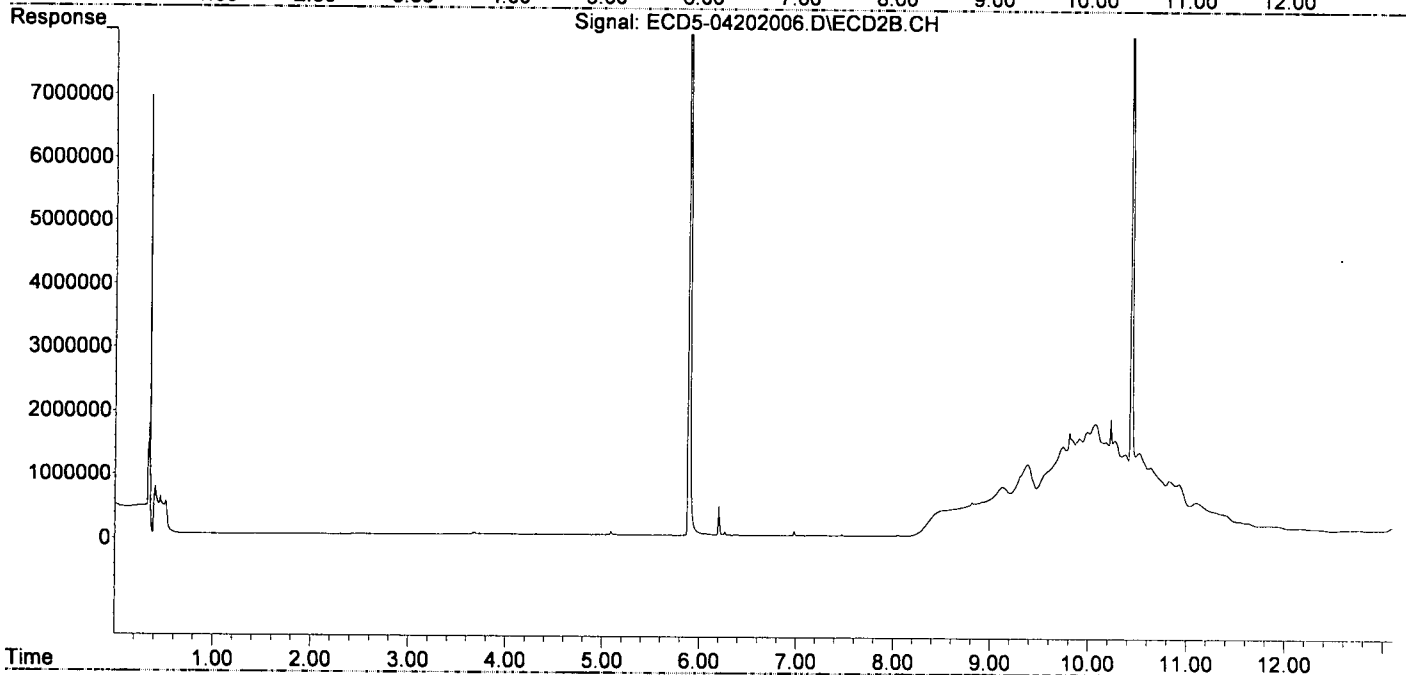
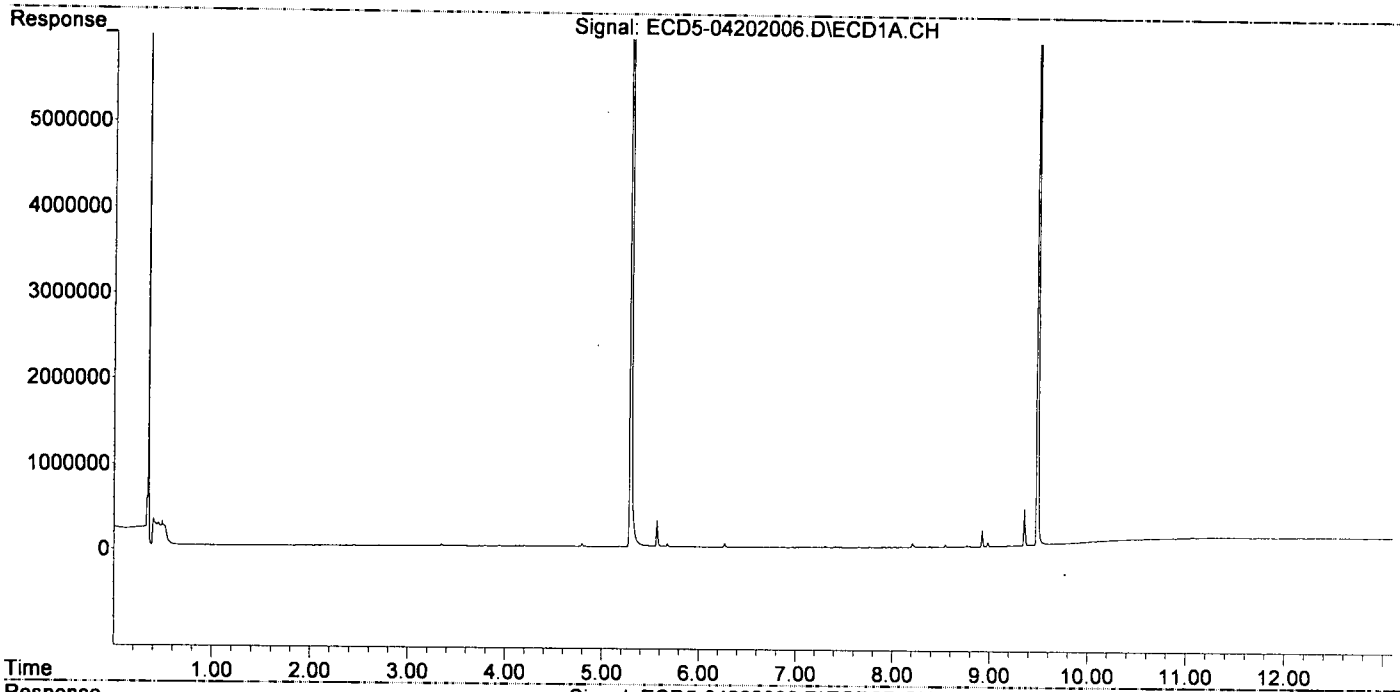
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|-------------------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.294 | 5.891 | 17499849 | 27748991 | 90.581 | 97.076 |
| 22) S DCBP (S) | 9.489 | 10.437 | 12904707 | 16276097 | 86.626 | 95.838 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.475 | 0 | 21266 | N.D. | 0.065 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.309 | 8.051 | 14832 | 13983 | 0.071 | 0.046 # |
| 10) cis-Chlor... | 7.412 | 0.000 | 10883 | 0 | 0.053 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.468 | 8.261 | 5468 | 60329 | 0.028 | 0.211m# |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 8.630 | 0 | 365589 | N.D. | 1.597 # |
| 15) 4,4'-DDD | 7.893 | 8.677 | 4406 | 435496 | 0.027 | 1.810m# ^{P-1} |
| 16) Endosulfa... | 8.026 | 8.780 | 11444 | 397860 | 0.068 | 1.658 # |
| 17) 4,4'-DDT | 0.000 | 8.903 | 0 | 528307 | N.D. | 3.306m# ⁷⁻⁰¹ |
| 18) Endrin Al... | 8.298 | 0.000 | 6867 | 0 | 0.047 | N.D. # |
| 19) Endosulfa... | 8.600 | 0.000 | 4550 | 0 | 0.028 | N.D. # |
| 20) Methoxychlor | 8.435 | 9.382 | 9168 | 971375 | BelowCal | 11.313 |
| 21) Endrin Ke... | 8.769f | 0.000 | 21811 | 0 | 0.114 | N.D. # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.676 | 0.000 | 36363 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.051f | 0 | 13983 | N.D. | BelowCal |
| 27) trans-Non... | 7.412 | 0.000 | 10883 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 8.413 | 0 | 325290 | N.D. | 1.743m# ^{P-1} |
| 29) 2,4'-DDT | 7.764f | 8.630 | 8542 | 432760 | BelowCal | 2.914m- ^{P-1} |
| 30) cis-Nonac... | 7.893 | 8.665 | 4406 | 365672 | BelowCal | 1.055 |
| 31) Mirex | 8.545 | 0.000 | 32797 | 0 | 5765.107 | N.D. # |
| 32) Chlordane... | 0.000 | 8.051f | 0 | 13983 | N.D. | 0.355 # |
| 33) Chlordane... | 7.468 | 0.000 | 5468 | 0 | 0.206 | N.D. # |
| 34) Chlordane... | 8.026f | 8.852 | 11444 | 421891 | 1.574 | 41.228 # |
| 35) Chlordane... | 0.000 | 3.675f | 0 | 26693 | N.D. | NoCal |
| 36) Toxaphene... | 7.468 | 0.000 | 5468 | 0 | 5.261 | N.D. # |
| 37) Toxaphene... | 7.764 | 8.780 | 8542 | 397860 | 2.107 | 111.317 # |
| 38) Toxaphene... | 8.026f | 8.812 | 11444 | 447855 | 2.807 | 80.210 # |
| 39) Toxaphene... | 8.298 | 8.878 | 6867 | 426453 | 1.748 | 47.901 # |
| 40) Toxaphene... | 8.545 | 0.000 | 32797 | 0 | 10.692 | N.D. # |
| 41) Toxaphene... | 8.600 | 0.000 | 4550 | 0 | 1.136 | N.D. # |
| 42) Toxaphene... | 0.000 | 3.675f | 0 | 26693 | N.D. | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 15:38:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

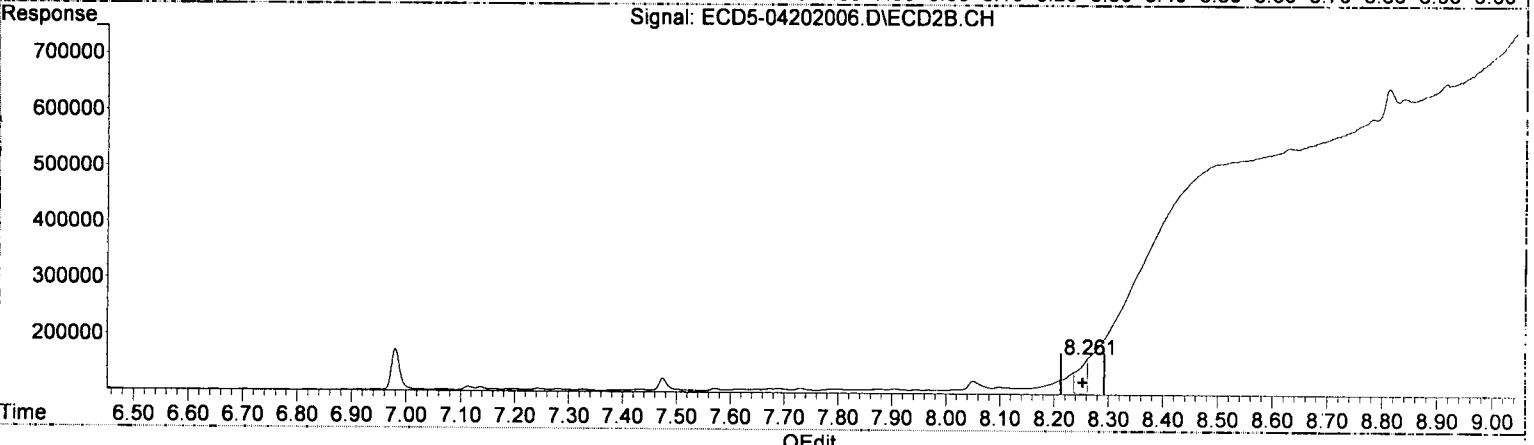
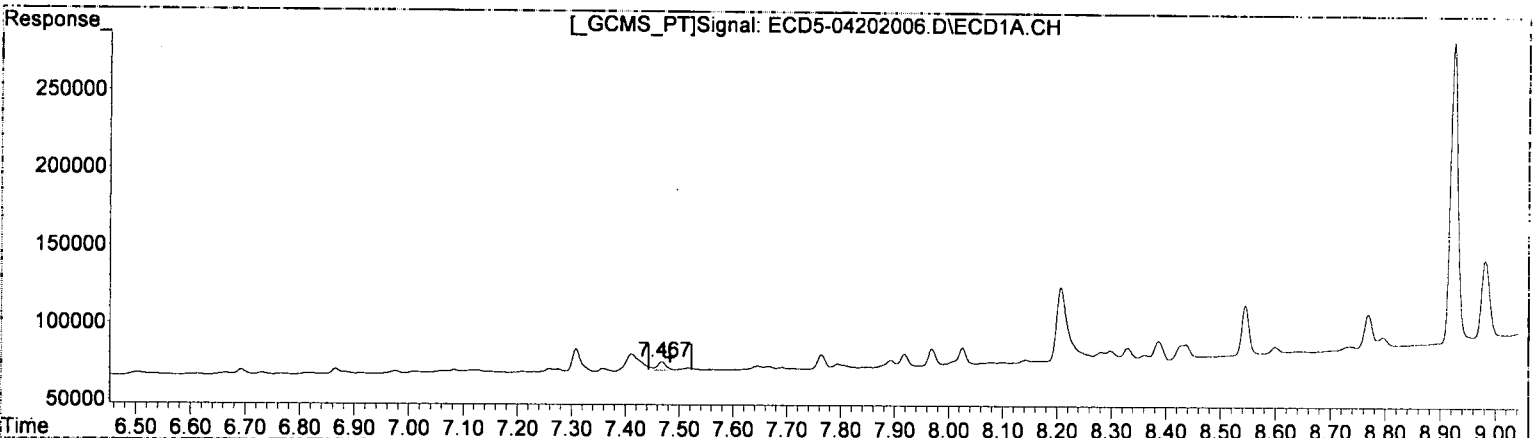


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.468min 0.028 ng/mL
response 5468

*MJB
4/21/20*

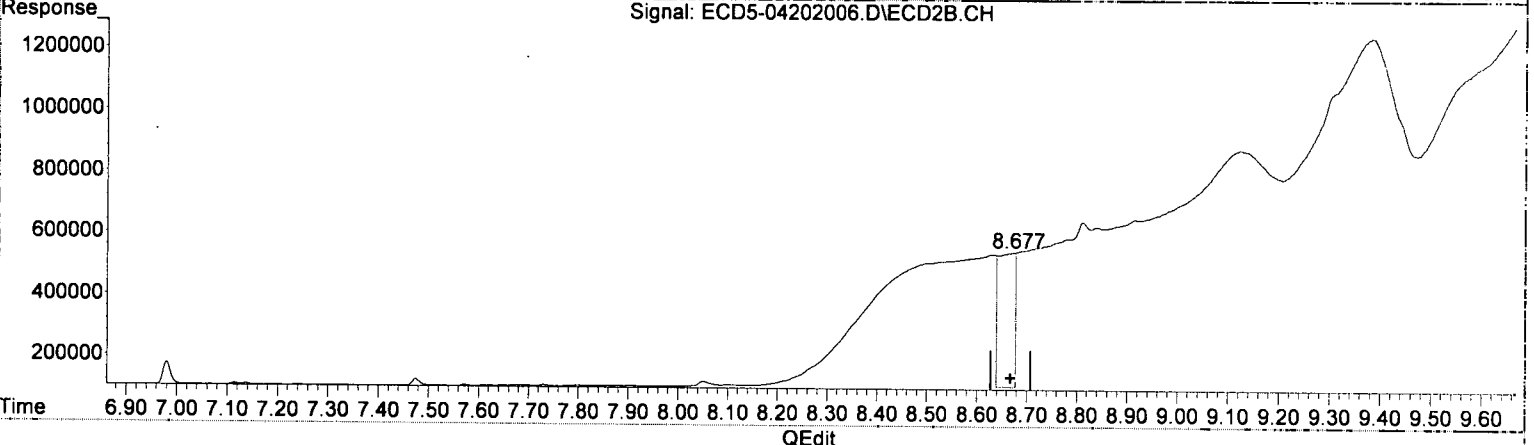
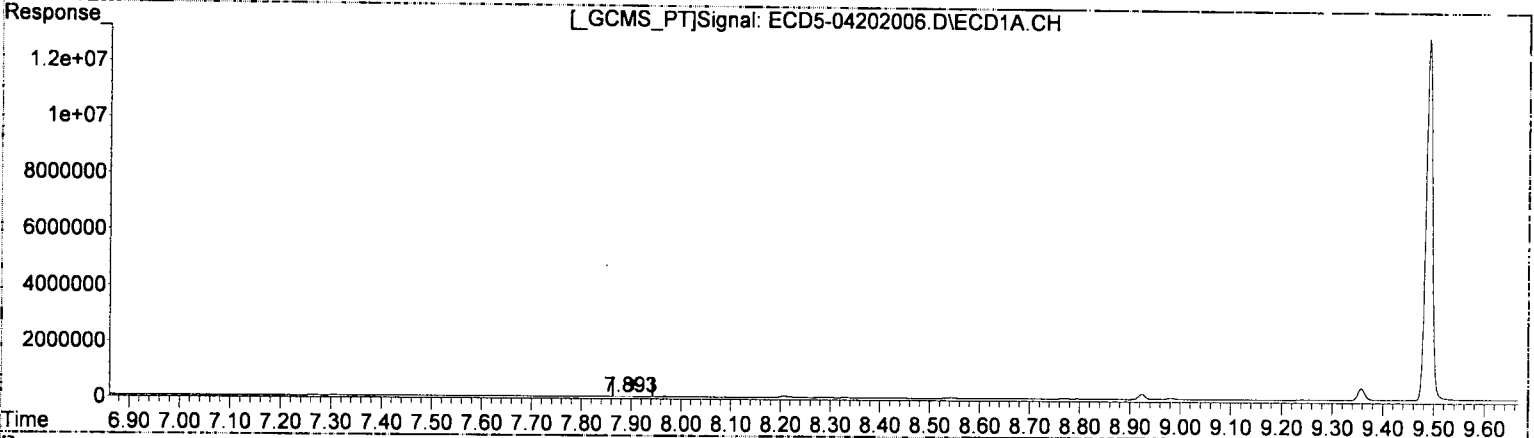
(12) 4,4'-DDE #2
8.261min 0.211 ng/mL(m)
response 60329

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.893min 0.027 ng/mL
response 4406

*MJB
4/21/20*

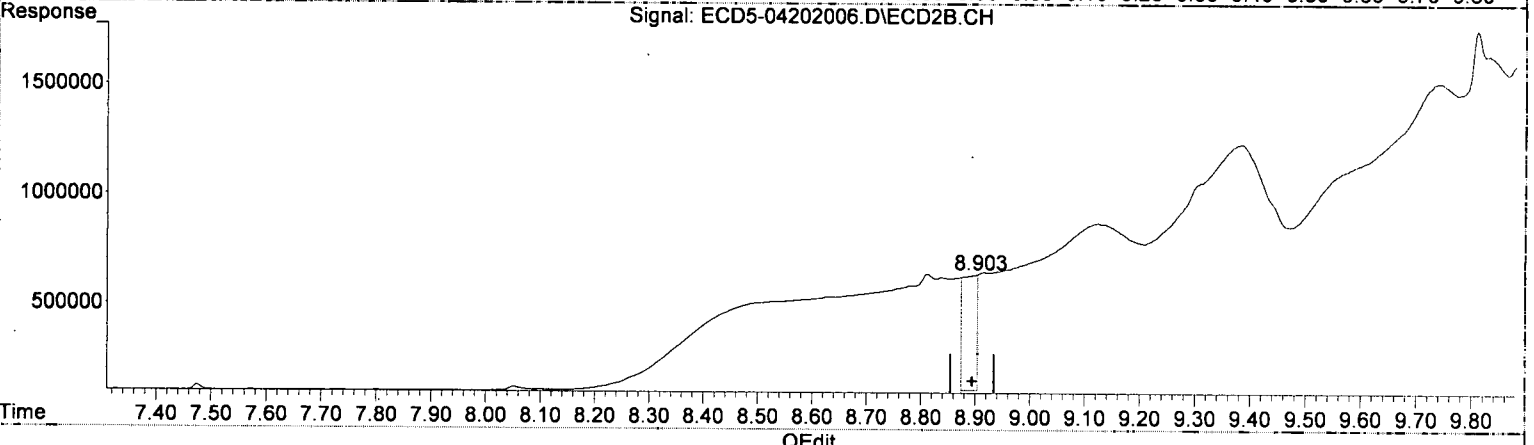
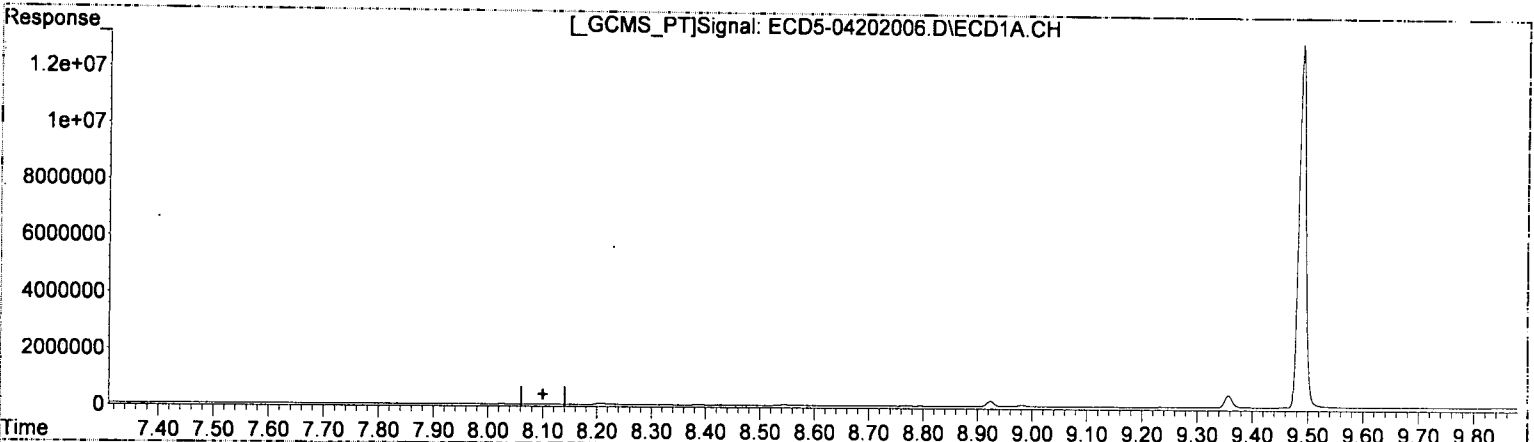
(15) 4,4'-DDD #2
8.677min 1.810 ng/mL (m) p.01
response 435496

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT
0.000min 0.000 ng/mL
response 0

MJB
4/21/20

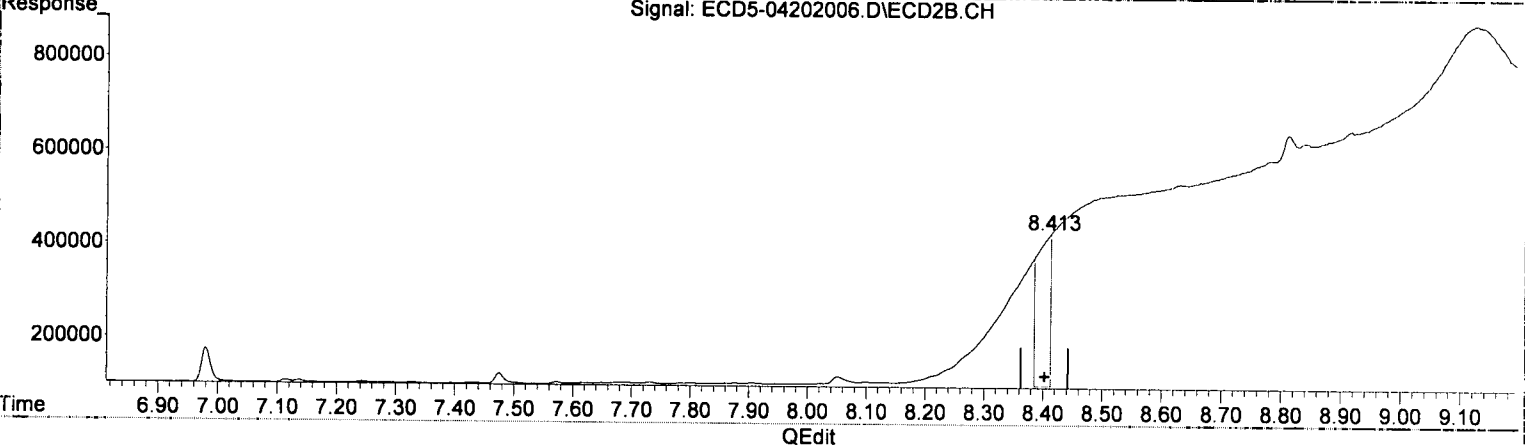
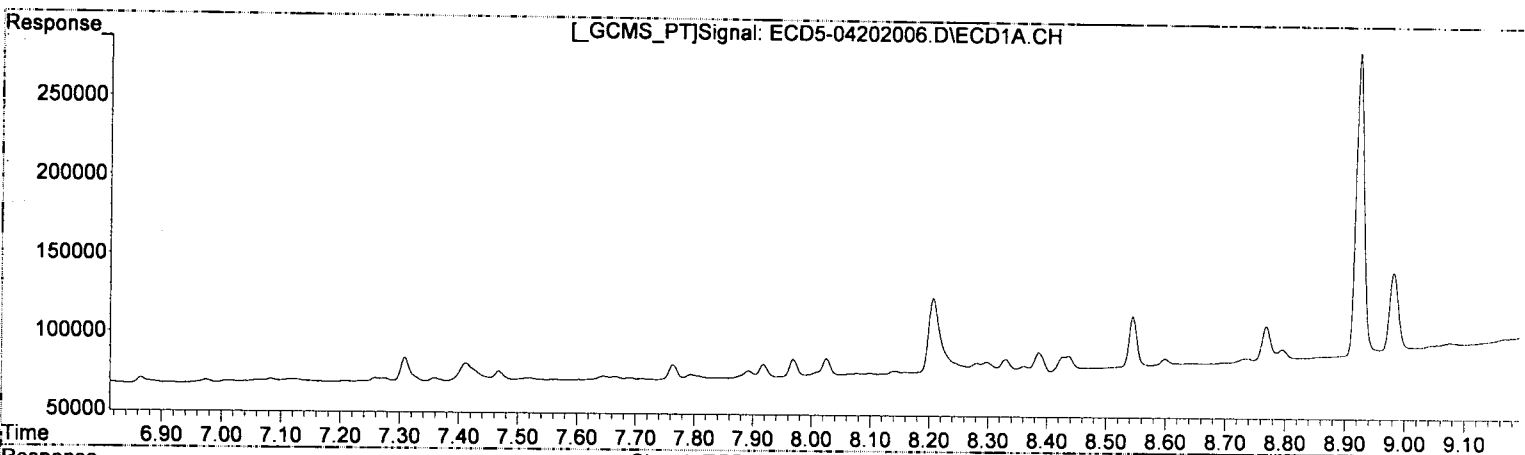
(17) 4,4'-DDT #2
8.903min 3.306 ng/mL (m) 9.01
response 528307

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

WB
4/21/20

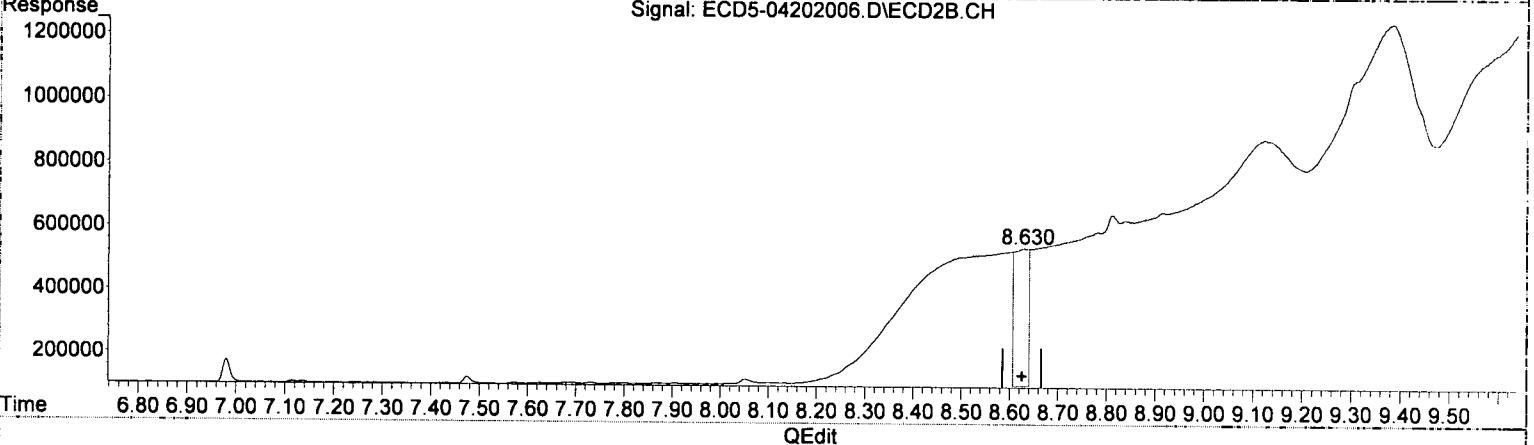
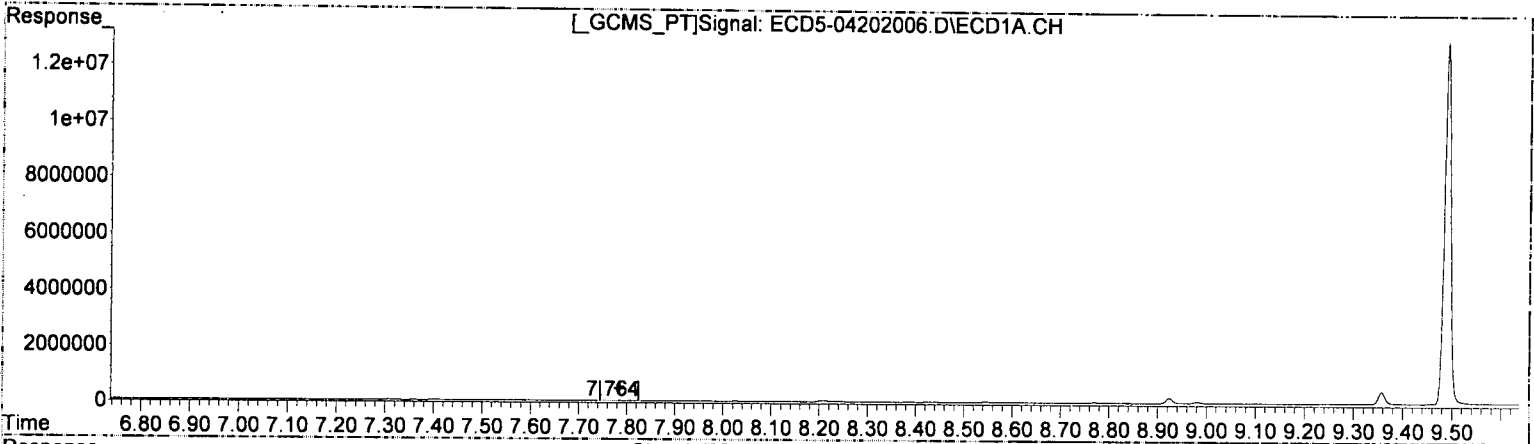
(28) 2,4'-DDD #2
8.413min 1.743 ng/mL (m) 9.0\
response 325290

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.764min -0.117 ng/mL
response 8542

MJB
4/21/20

(29) 2,4'-DDT #2
8.630min 2.914 ng/mL (m) 9.01
response 432760

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 13:23
 Operator : MJB
 Sample : OD20044-CCB1
 Misc : A20C404
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

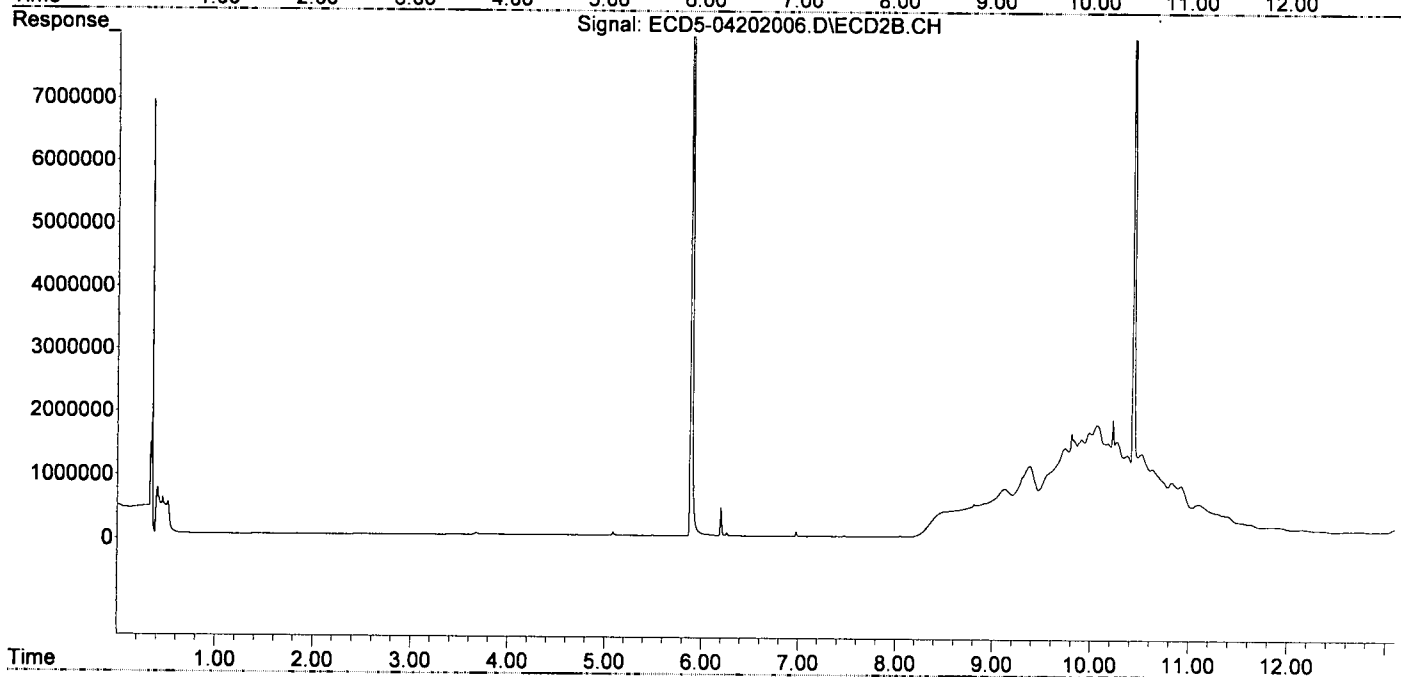
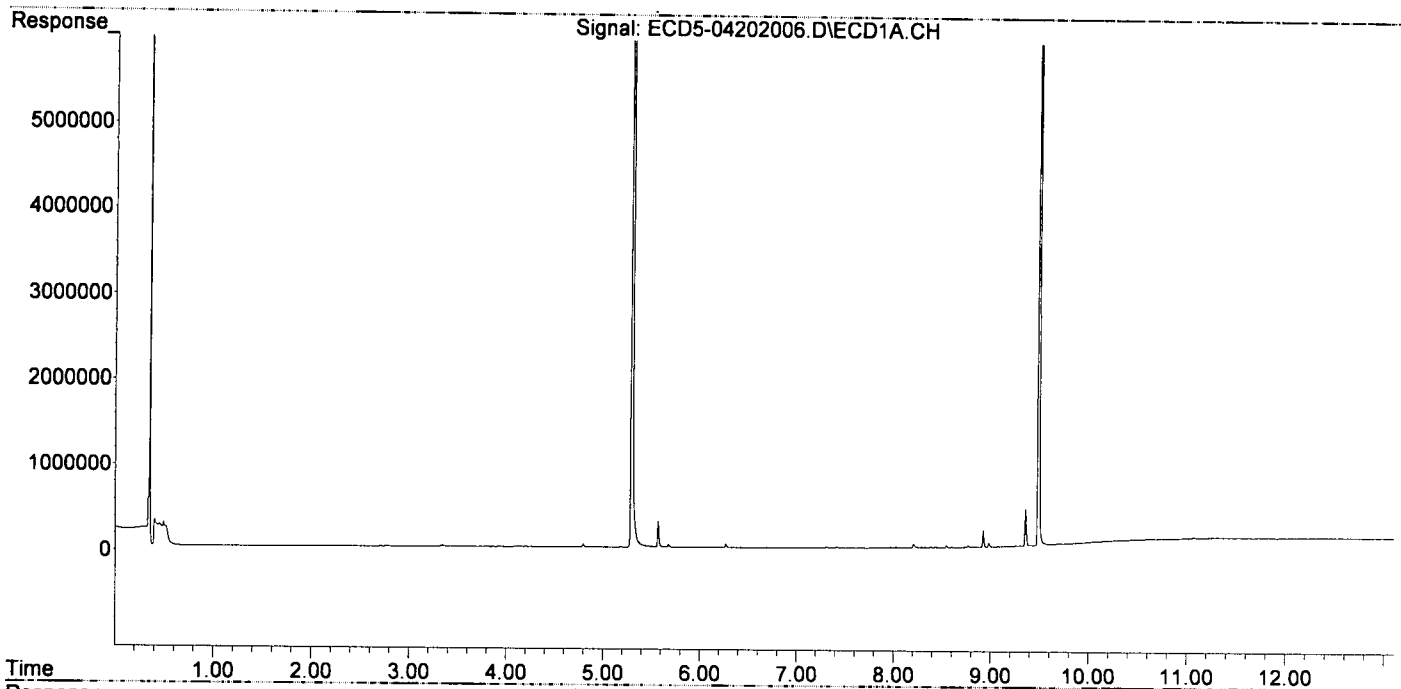
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.294 | 5.891 | 17499849 | 27748991 | 90.581 | 97.076 |
| 22) S DCBP (S) | 9.489 | 10.437 | 12904707 | 16276097 | 86.626 | 95.838 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.475 | 0 | 21266 | N.D. | 0.065 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.309 | 8.051 | 14832 | 13983 | 0.071 | 0.046 # |
| 10) cis-Chlor... | 7.412 | 0.000 | 10883 | 0 | 0.053 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.468 | 0.000 | 5468 | 0 | 0.028 | N.D. # |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 8.630 | 0 | 365589 | N.D. | 1.597 # |
| 15) 4,4'-DDD | 7.893 | 8.665 | 4406 | 365672 | 0.027 | 1.520 # |
| 16) Endosulfa... | 8.026 | 8.780 | 11444 | 397860 | 0.068 | 1.658 # |
| 17) 4,4'-DDT | 0.000 | 8.878 | 0 | 426453 | N.D. | 2.684 # |
| 18) Endrin Al... | 8.298 | 0.000 | 6867 | 0 | 0.047 | N.D. # |
| 19) Endosulfa... | 8.600 | 0.000 | 4550 | 0 | 0.028 | N.D. # |
| 20) Methoxychlor | 8.435 | 9.382 | 9168 | 971375 | BelowCal | 11.313 |
| 21) Endrin Ke... | 8.769f | 0.000 | 21811 | 0 | 0.114 | N.D. # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.676 | 0.000 | 36363 | 0 | BelowCal | N.D. |
| 25) Oxychlordane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.051f | 0 | 13983 | N.D. | BelowCal |
| 27) trans-Non... | 7.412 | 0.000 | 10883 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.764f | 8.630 | 8542 | 365589 | BelowCal | 2.435 |
| 30) cis-Nonac... | 7.893 | 8.665 | 4406 | 365672 | BelowCal | 1.055 |
| 31) Mirex | 8.545 | 0.000 | 32797 | 0 | 5765.107 | N.D. # |
| 32) Chlordane... | 0.000 | 8.051f | 0 | 13983 | N.D. | 0.355 # |
| 33) Chlordane... | 7.468 | 0.000 | 5468 | 0 | 0.206 | N.D. # |
| 34) Chlordane... | 8.026f | 8.852 | 11444 | 421891 | 1.574 | 41.228 # |
| 35) Chlordane... | 0.000 | 3.675f | 0 | 26693 | N.D. | NoCal |
| 36) Toxaphene... | 7.468 | 0.000 | 5468 | 0 | 5.261 | N.D. # |
| 37) Toxaphene... | 7.764 | 8.780 | 8542 | 397860 | 2.107 | 111.317 # |
| 38) Toxaphene... | 8.026f | 8.812 | 11444 | 447855 | 2.807 | 80.210 # |
| 39) Toxaphene... | 8.298 | 8.878 | 6867 | 426453 | 1.748 | 47.901 # |
| 40) Toxaphene... | 8.545 | 0.000 | 32797 | 0 | 10.692 | N.D. # |
| 41) Toxaphene... | 8.600 | 0.000 | 4550 | 0 | 1.136 | N.D. # |
| 42) Toxaphene... | 0.000 | 3.675f | 0 | 26693 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:23
Operator : MJB
Sample : 0D20044-CCB1
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 13:40
 Operator : MJB
 Sample : 0040473-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

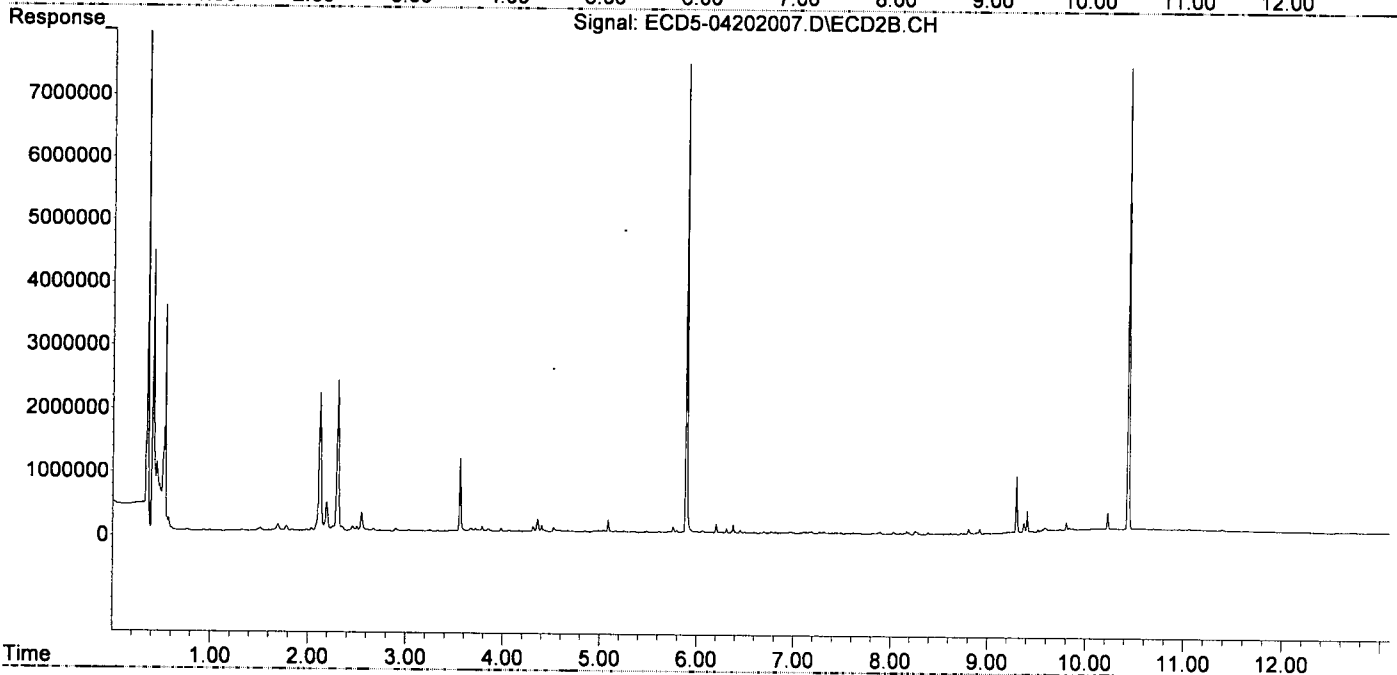
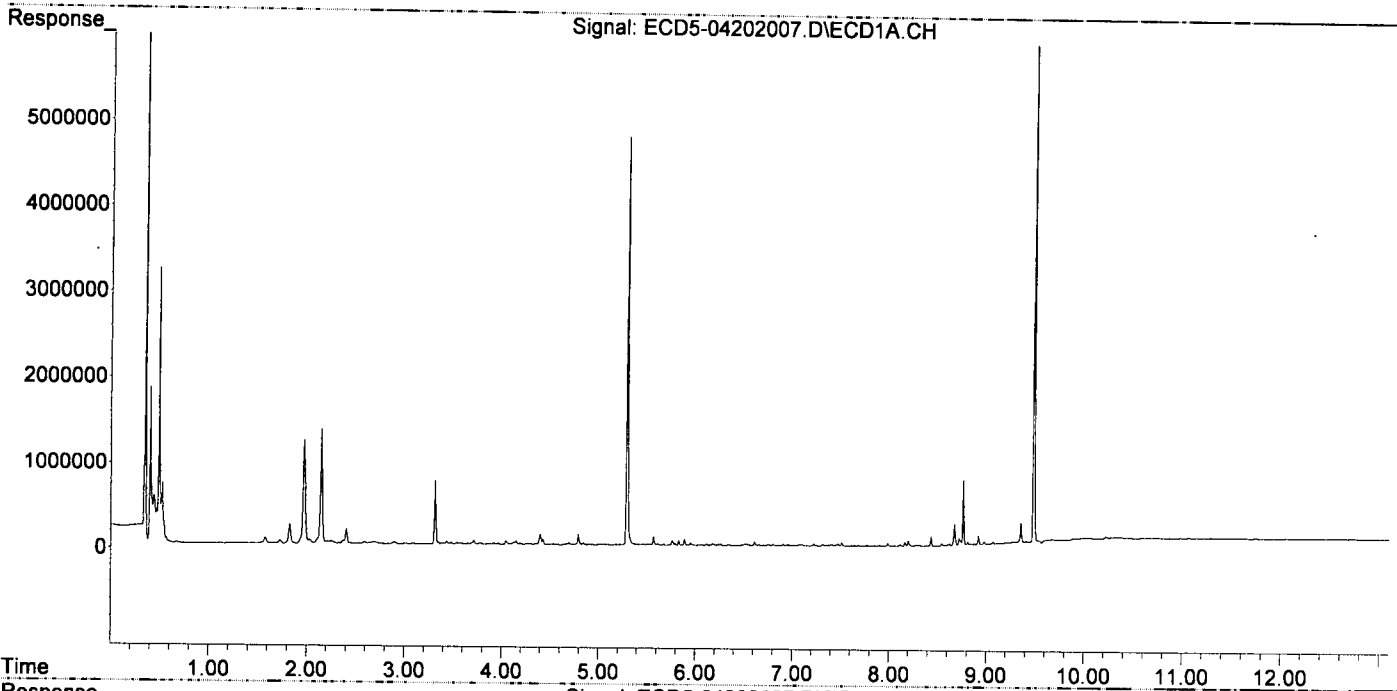
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.293 | 5.890 | 4759871 | 7412146 | 24.638 | 25.930 |
| 22) S DCBP (S) | 9.488 | 10.436 | 6616290 | 7321834 | 44.359 | 43.113 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.828 | 6.497 | 56539 | 24631 | 0.215 | 0.061 # |
| 3) g-BHC | 6.116 | 6.816 | 23614 | 27183 | 0.103 | 0.077 # |
| 4) b-BHC | 6.178 | 6.883 | 22426 | 16652 | 0.234 | 0.111 # |
| 5) Heptachlor | 6.525 | 7.189 | 25502 | 33669 | 0.114 | 0.100 |
| 6) d-BHC | 6.339 | 7.135 | 15620 | 30668 | 0.080 | 0.094 |
| 7) Aldrin | 6.760 | 7.454 | 18152 | 16961 | 0.082 | 0.052 # |
| 8) Heptachlo... | 7.225 | 7.893 | 31668 | 35919 | 0.155 | 0.121 |
| 9) trans-Chl... | 7.319 | 8.031 | 22699 | 36395 | 0.109 | 0.120 |
| 10) cis-Chlor... | 7.414 | 8.141 | 22400 | 20719 | 0.109 | 0.071 # |
| 11) Endosulfa... | 7.513 | 8.190 | 46504 | 30710 | 0.241 | 0.113 # |
| 12) 4,4'-DDE | 7.478 | 8.261 | 28276 | 46229 | 0.143 | 0.161 |
| 13) Dieldrin | 7.685 | 8.392 | 17623 | 28440 | 0.083 | 0.096 |
| 14) Endrin | 7.849 | 8.621 | 9440 | 16781 | 0.055 | 0.073 # |
| 15) 4,4'-DDD | 7.901 | 8.664 | 10578 | 7410 | 0.065 | 0.031 # |
| 16) Endosulfa... | 7.989 | 8.760 | 39767 | 13050 | 0.237 | 0.054 # |
| 17) 4,4'-DDT | 8.117 | 8.890 | 23369 | 28955 | 0.174 | 0.234 # |
| 18) Endrin Al... | 8.303 | 9.011 | 16557 | 11053 | 0.113 | 0.053 # |
| 19) Endosulfa... | 8.603 | 9.210 | 14360 | 27925 | 0.087 | 0.123 # |
| 20) Methoxychlor | 8.433 | 9.372 | 107298 | 158553 | 1.496 | 1.817 |
| 21) Endrin Ke... | 8.811 | 9.588 | 45827 | 74909 | 0.240 | 0.300 # |
| 23) Hexachlor... | 3.089 | 3.556f | 17111 | 1138546 | 11064.617 | 2.952 # |
| 24) Hexachlor... | 5.675 | 6.377 | 19368 | 132017 | BelowCal | 0.234 |
| 25) Oxychlordane | 0.000 | 7.820 | 0 | 13473 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.225 | 8.031 | 31668 | 36395 | 0.049 | BelowCal # |
| 27) trans-Non... | 7.414 | 8.105 | 22400 | 16779 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.617 | 8.392 | 7450 | 28440 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.780 | 8.621 | 11187 | 16781 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.901f | 8.664 | 10578 | 7410 | BelowCal | BelowCal |
| 31) Mirex | 8.542 | 9.588 | 30612 | 74909 | 5765.123 | BelowCal # |
| 32) Chlordane... | 7.376 | 8.105f | 15483 | 16779 | 0.663 | 0.426 # |
| 33) Chlordane... | 7.478f | 8.190 | 28276 | 30710 | 1.065 | 0.938 |
| 34) Chlordane... | 7.989 | 8.837 | 39767 | 12811 | 5.470 | 1.252 # |
| 35) Chlordane... | 3.651 | 3.671f | 13887 | 43355 | NoCal | NoCal |
| 36) Toxaphene... | 7.478f | 8.392f | 28276 | 28440 | 27.210 | 10.112 # |
| 37) Toxaphene... | 7.780f | 8.760 | 11187 | 13050 | 3.514 | 3.651 |
| 38) Toxaphene... | 8.058 | 8.806 | 9862 | 80605 | 2.419 | 14.436 # |
| 39) Toxaphene... | 8.303 | 8.890 | 16557 | 28955 | 4.215 | BelowCal # |
| 40) Toxaphene... | 8.542 | 9.056 | 30612 | 4433 | 9.980 | 0.897 # |
| 41) Toxaphene... | 8.603 | 9.442 | 14360 | 26130 | 3.585 | 4.835 # |
| 42) Toxaphene... | 3.651 | 3.671 | 13887 | 43355 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:40
Operator : MJB
Sample : 0040473-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 13:57
 Operator : MJB
 Sample : 0040473-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

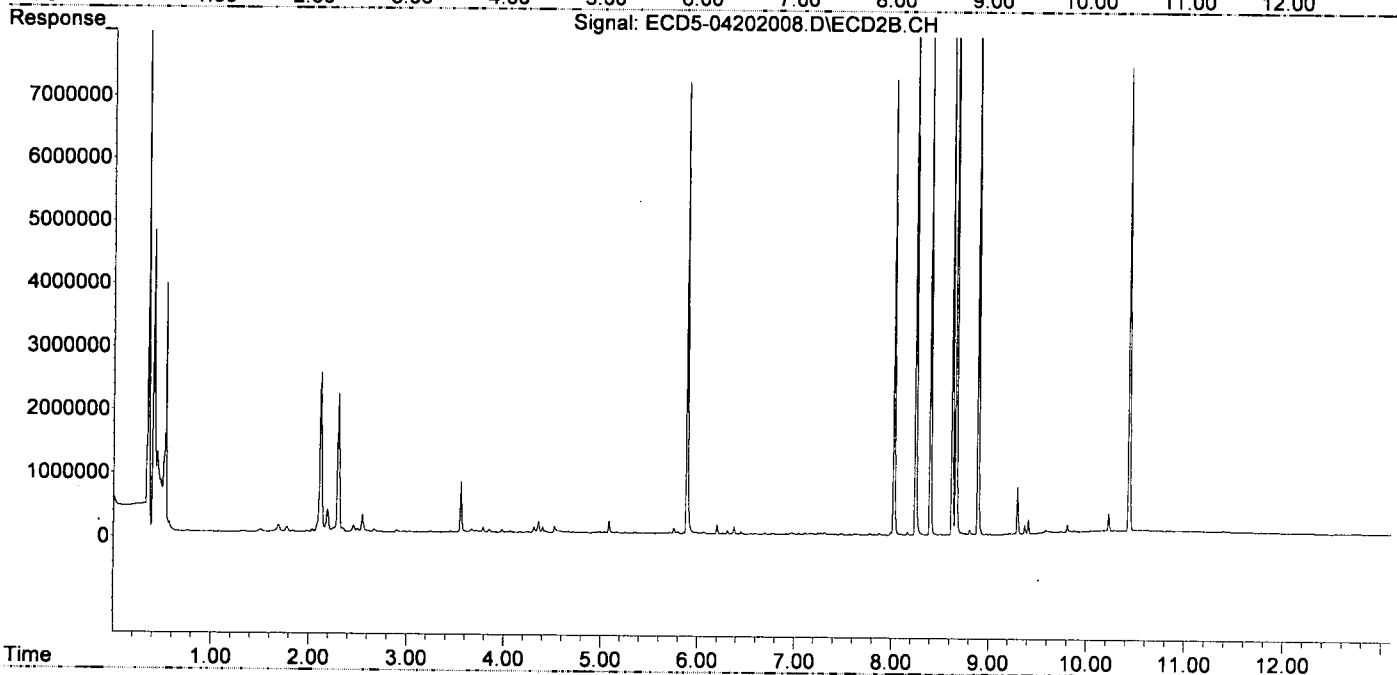
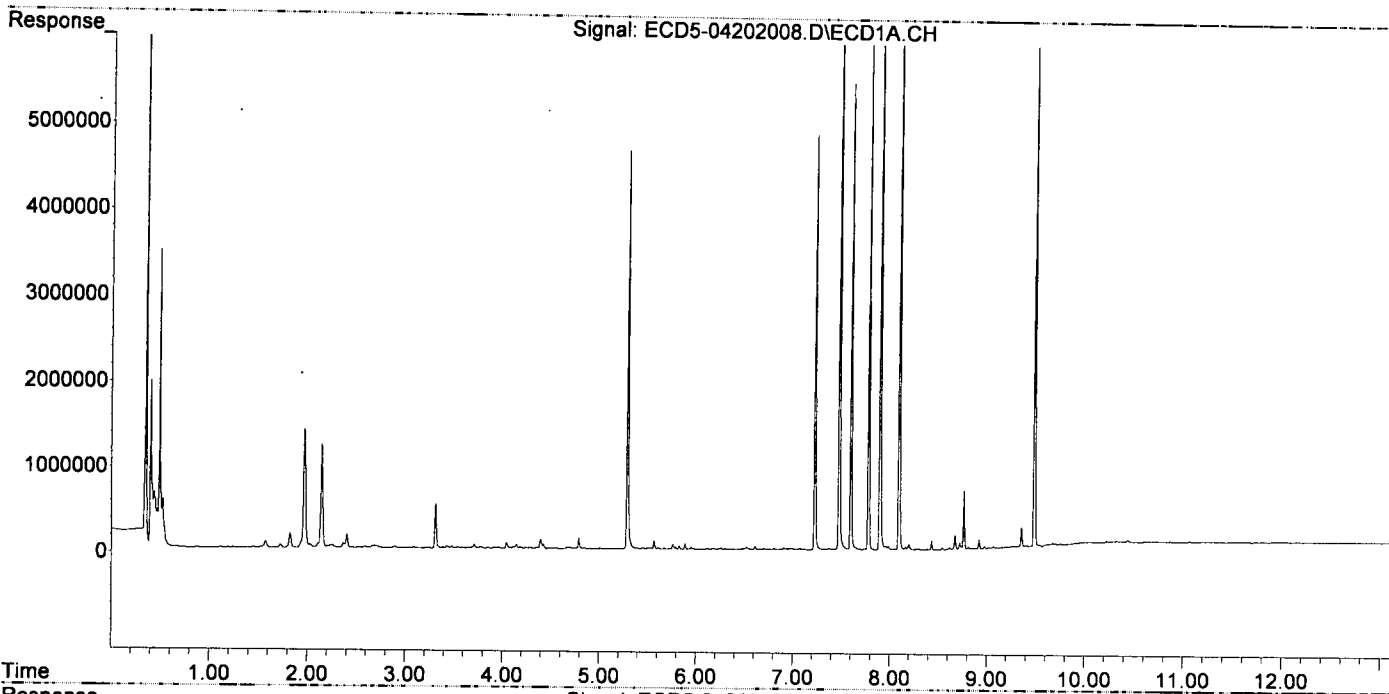
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 4642049 | 7155144 | 24.028 | 25.031 |
| 22) S DCBP (S) | 9.487 | 10.436 | 6455787 | 7345846 | 43.280 | 43.254 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.827 | 0.000 | 43517 | 0 | 0.165 | N.D. # |
| 3) g-BHC | 6.116 | 6.789f | 14176 | 13441 | 0.062 | 0.038 # |
| 4) b-BHC | 6.177 | 6.913f | 17216 | 8517 | 0.180 | 0.057 # |
| 5) Heptachlor | 6.527 | 7.167f | 30014 | 22297 | 0.135 | 0.067 # |
| 6) d-BHC | 6.358 | 7.135 | 7201 | 6720 | 0.037 | 0.021 # |
| 7) Aldrin | 6.758 | 7.430f | 10986 | 7057 | 0.049 | 0.022 # |
| 8) Heptachlo... | 7.227 | 7.876 | 4828240 | 31563 | 23.558 | 0.106 # |
| 9) trans-Chl... | 7.323 | 8.027 | 12208 | 7215140 | 0.059 | 23.816 # |
| 10) cis-Chlor... | 7.432 | 8.167f | 8854 | 49788 | 0.043 | 0.172 # |
| 11) Endosulfa... | 7.479f | 8.167f | 8541587 | 49788 | 44.179 | 0.183 # |
| 12) 4,4'-DDE | 7.479 | 8.250 | 8541587 | 13492268 | 43.334 | 47.120 |
| 13) Dieldrin | 0.000 | 8.401 | 0 | 8055511 | N.D. | 27.076 # |
| 14) Endrin | 0.000 | 8.625 | 0 | 8582540 | N.D. | 37.481 # |
| 15) 4,4'-DDD | 7.900 | 8.665 | 8238469 | 12208885 | 50.410 | 50.740 |
| 16) Endosulfa... | 7.989 | 8.773 | 44865 | 23908 | 0.268 | 0.100 # |
| 17) 4,4'-DDT | 8.097 | 8.892 | 7373958 | 11071360 | 55.160 | 58.298 |
| 18) Endrin Al... | 8.302 | 9.014 | 12418 | 19044 | 0.085 | 0.092 |
| 19) Endosulfa... | 8.622f | 9.211 | 22308 | 18317 | 0.136 | 0.080 # |
| 20) Methoxychlor | 8.433 | 9.372 | 102982 | 144614 | 1.429 | 1.651 |
| 21) Endrin Ke... | 8.811 | 9.586 | 28851 | 61860 | 0.151 | 0.248 # |
| 23) Hexachlor... | 3.087 | 3.596 | 16167 | 25082 | 11064.622 | BelowCal # |
| 24) Hexachlor... | 5.674 | 6.377 | 17326 | 113149 | BelowCal | 0.166 |
| 25) Oxychlorane | 0.000 | 7.821 | 0 | 14682 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.227 | 8.027 | 4828240 | 7215140 | 39.406 | 38.172 |
| 27) trans-Non... | 7.404 | 8.103 | 14022 | 17069 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.600 | 8.401 | 5436079 | 8055511 | 50.426 | 47.760 |
| 29) 2,4'-DDT | 7.782 | 8.625 | 6026450 | 8582540 | 57.164 | 55.123 |
| 30) cis-Nonac... | 7.900f | 8.665 | 8238469 | 12208885 | 40.187 | 40.499 |
| 31) Mirex | 8.543 | 9.586 | 27568 | 61860 | 5765.146 | BelowCal # |
| 32) Chlordane... | 7.377 | 8.103f | 18170 | 17069 | 0.778 | 0.433 # |
| 33) Chlordane... | 7.479f | 8.167 | 8541587 | 49788 | 321.689 | 1.520 # |
| 34) Chlordane... | 7.989 | 8.806f | 44865 | 89239 | 6.172 | 8.721 # |
| 35) Chlordane... | 3.650 | 3.670f | 13307 | 50041 | NoCal | NoCal |
| 36) Toxaphene... | 7.479f | 8.401f | 8541587 | 8055511 | 8219.458 | 2864.297 # |
| 37) Toxaphene... | 7.782f | 8.773 | 6026450 | 23908 | 4315.415 | 6.689 # |
| 38) Toxaphene... | 8.058 | 8.806 | 10543 | 89239 | 2.586 | 15.983 # |
| 39) Toxaphene... | 8.302 | 8.892 | 12418 | 11071360 | 3.161 | 1247.685 # |
| 40) Toxaphene... | 8.543 | 9.094f | 27568 | 6163 | 8.987 | 1.247 # |
| 41) Toxaphene... | 8.622f | 9.443 | 22308 | 21098 | 5.569 | 3.904 # |
| 42) Toxaphene... | 3.650 | 3.670 | 13307 | 50041 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 13:57
Operator : MJB
Sample : 0040473-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:15
 Operator : MJB
 Sample : A0D0212-08RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 15:43:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

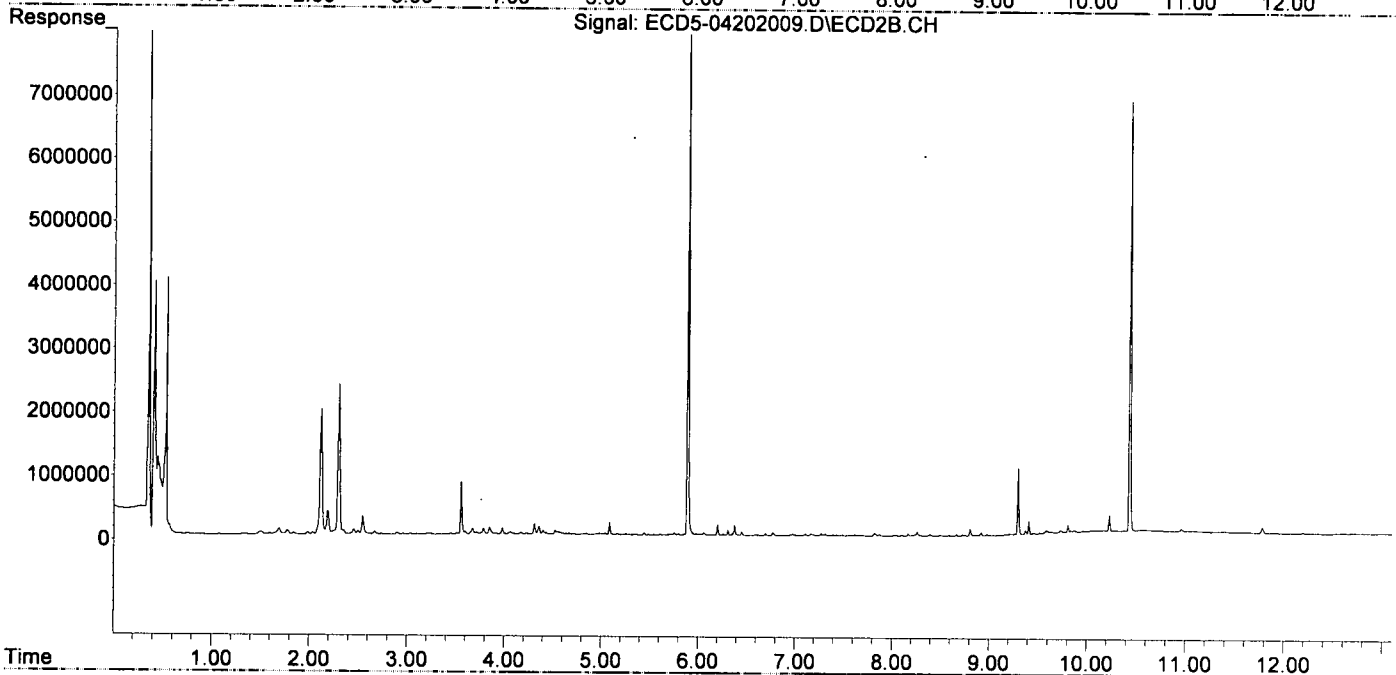
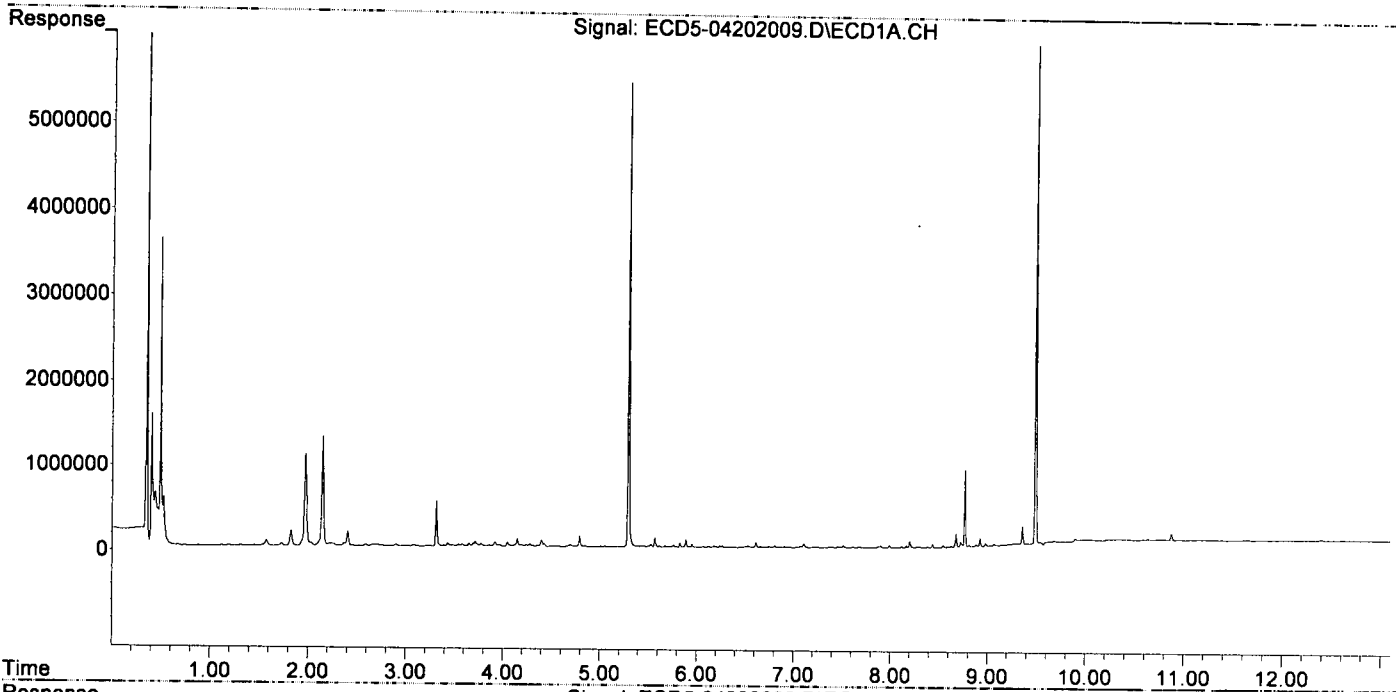
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 5412278 | 8625138 | 28.015 | 30.174 |
| 2) S DCBP (S) | 9.487 | 10.436 | 5999161 | 6764983 | 40.208 | 39.834 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.826 | 0.000 | 56914 | 0 | 0.216 | N.D. # |
| 3) g-BHC | 6.119 | 0.000 | 13627 | 0 | 0.060 | N.D. # |
| 4) b-BHC | 6.176 | 6.893 | 22172 | 8062 | 0.232 | 0.054 # |
| 5) Heptachlor | 6.530 | 7.166f | 19883 | 29871 | 0.089 | 0.089 |
| 6) d-BHC | 6.359 | 7.166f | 6251 | 29871 | 0.032 | 0.091 # |
| 7) Aldrin | 6.742f | 7.429f | 13421 | 14216 | 0.060 | 0.044 # |
| 8) Heptachlo... | 7.252f | 7.874f | 11795 | 31794 | 0.058 | 0.107 # |
| 9) trans-Chl... | 7.325 | 8.044 | 6333 | 16358 | 0.030 | 0.054 # |
| 10) cis-Chlor... | 7.402 | 8.168f | 13227 | 39117 | 0.065 | 0.135 # |
| 11) Endosulfa... | 7.512 | 8.168f | 32861 | 39117 | 0.170 | 0.144 |
| 12) 4,4'-DDE | 7.459f | 8.260 | 16510 | 68295 | 0.084 | 0.239 # |
| 13) Dieldrin | 7.682 | 8.398 | 14489 | 23429 | 0.068 | 0.079 |
| 14) Endrin | 7.873f | 8.592f | 16409 | 8828 | 0.096 | 0.039 # |
| 15) 4,4'-DDD | 7.900 | 8.664 | 27903 | 27545 | 0.171 | 0.114 # |
| 16) Endosulfa... | 8.021 | 8.757 | 4441 | 11179 | 0.027 | 0.047 # |
| 17) 4,4'-DDT | 8.117 | 8.889 | 18016 | 15823 | 0.130 | 0.152 |
| 18) Endrin Al... | 8.302 | 8.978f | 10978 | 20777 | 0.075 | 0.100 # |
| 19) Endosulfa... | 8.600 | 9.210 | 10997 | 19724 | 0.067 | 0.087 # |
| 20) Methoxychlor | 8.433 | 9.373 | 43935 | 67371 | 0.510 | 0.726 # |
| 21) Endrin Ke... | 8.811 | 9.586 | 28471 | 51578 | 0.149 | 0.207 # |
| 23) Hexachlor... | 3.087 | 3.596 | 17329 | 49131 | 11064.616 | BelowCal # |
| 24) Hexachlor... | 5.674 | 6.377 | 18539 | 161825 | BelowCal | 0.342 |
| 25) Oxychlorane | 0.000 | 7.823 | 0 | 44471 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.252f | 8.022 | 11795 | 14655 | BelowCal | BelowCal |
| 27) trans-Non... | 7.402 | 8.103 | 13227 | 13592 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.617 | 8.398 | 11649 | 23429 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.780 | 8.625 | 4500 | 6081 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.873 | 8.664 | 16409 | 27545 | BelowCal | BelowCal |
| 31) Mirex | 8.542 | 9.586 | 33021 | 51578 | 5765.105 | BelowCal # |
| 32) Chlordane... | 7.375 | 8.103f | 15444 | 13592 | 0.662 | 0.345 # |
| 33) Chlordane... | 7.459 | 8.168 | 16510 | 39117 | 0.622 | 1.194 # |
| 34) Chlordane... | 7.989 | 0.000 | 33541 | 0 | 4.614 | N.D. # |
| 35) Chlordane... | 3.648 | 3.671f | 40798 | 91182 | NoCal | NoCal |
| 36) Toxaphene... | 7.459 | 8.398f | 16510 | 23429 | 15.888 | 8.331 # |
| 37) Toxaphene... | 7.742 | 8.757f | 5797 | 11179 | 0.647 | 3.128 # |
| 38) Toxaphene... | 8.058 | 8.805 | 7155 | 107470 | 1.755 | 19.248 # |
| 39) Toxaphene... | 8.302 | 8.889 | 10978 | 15823 | 2.795 | BelowCal # |
| 40) Toxaphene... | 8.542 | 0.000 | 33021 | 0 | 10.765 | N.D. # |
| 41) Toxaphene... | 8.600 | 9.443 | 10997 | 17596 | 2.745 | 3.256 |
| 42) Toxaphene... | 3.648 | 3.671 | 40798 | 91182 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:15
Operator : MJB
Sample : A0D0212-08RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 15:43:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

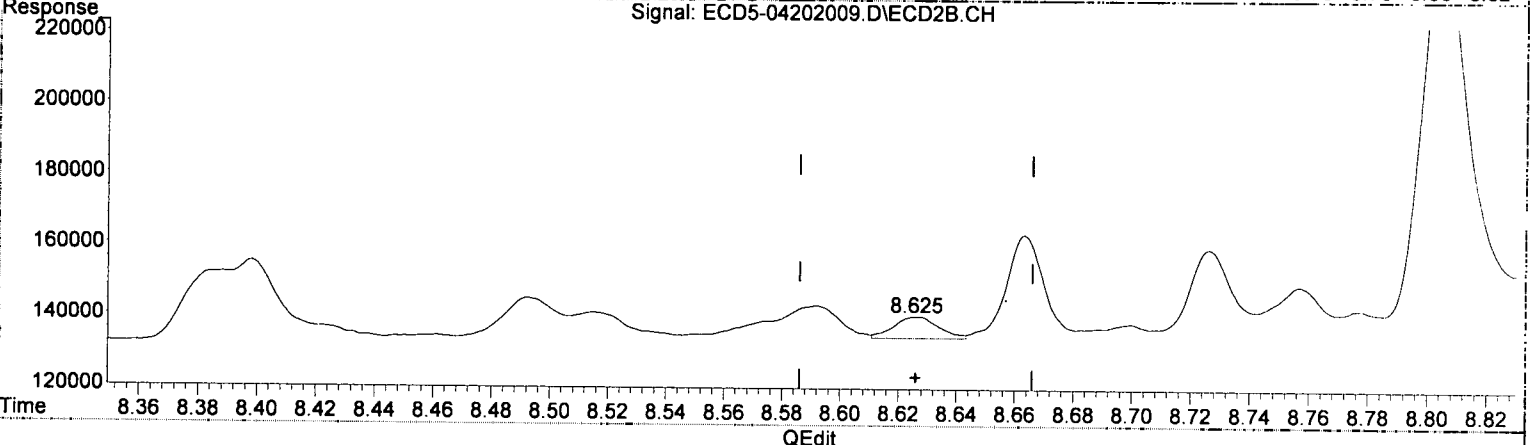
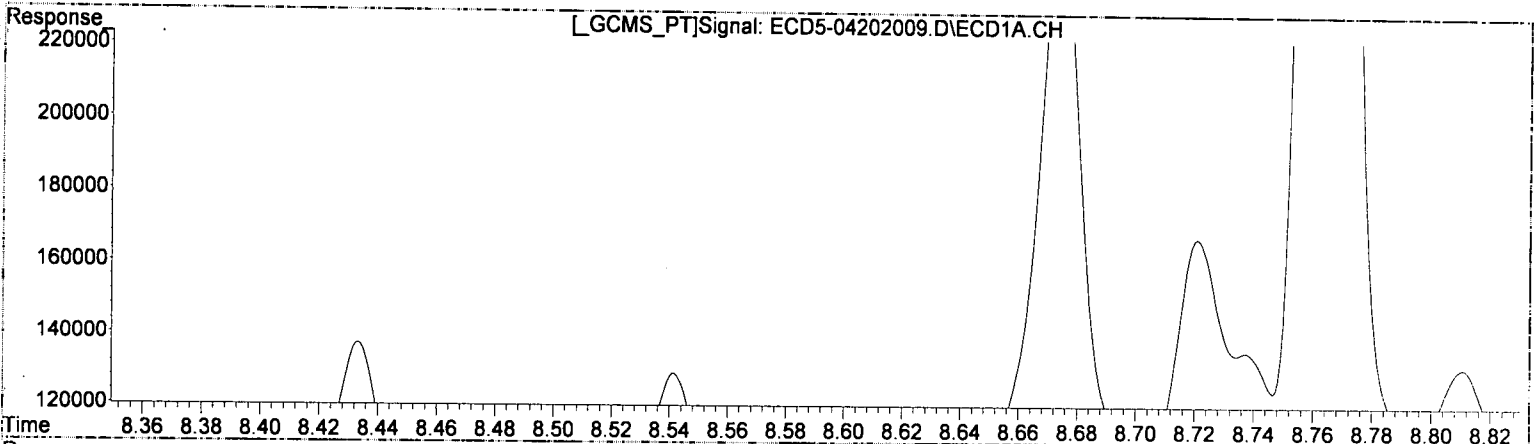


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:15
Operator : MJB
Sample : A0D0212-08RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.780min -0.157 ng/mL
response 4500

MJB
4/21/20

(29) 2,4'-DDT #2
8.625min -0.143 ng/mL (m)
response 6081

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:15
 Operator : MJB
 Sample : A0D0212-08RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 4/21/20

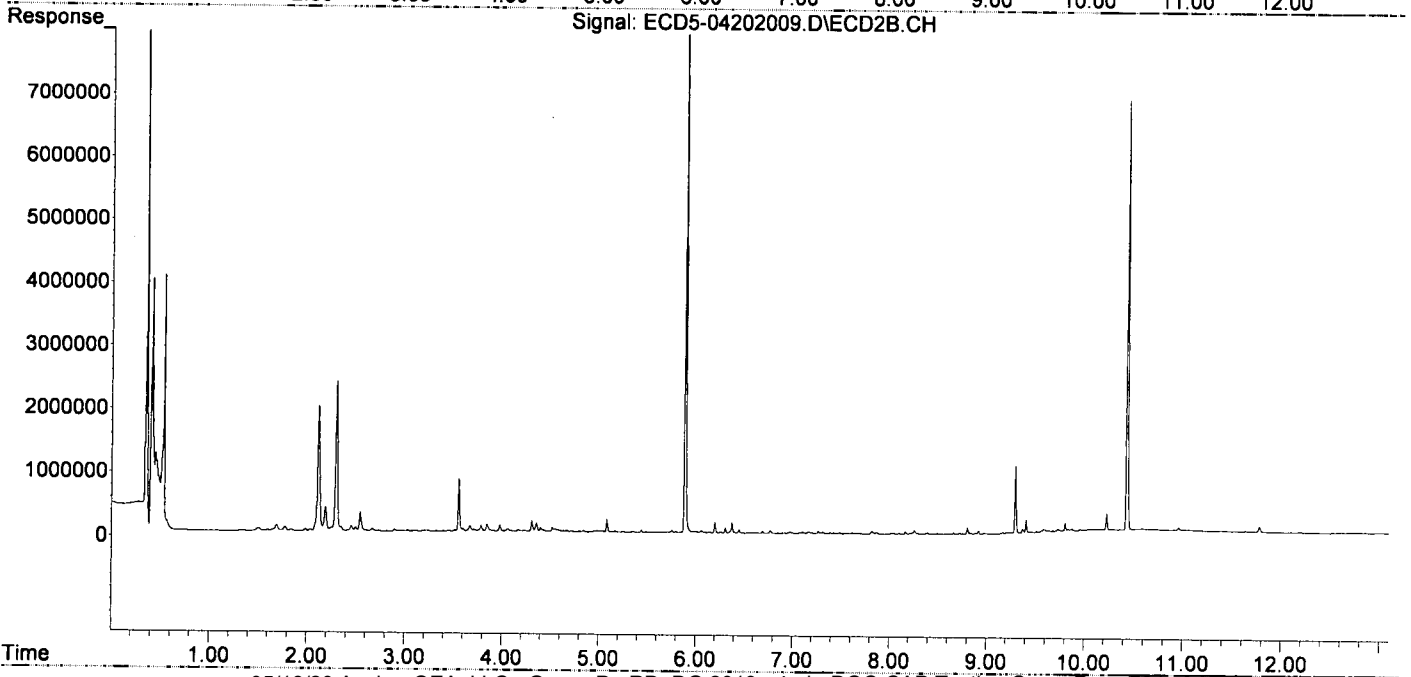
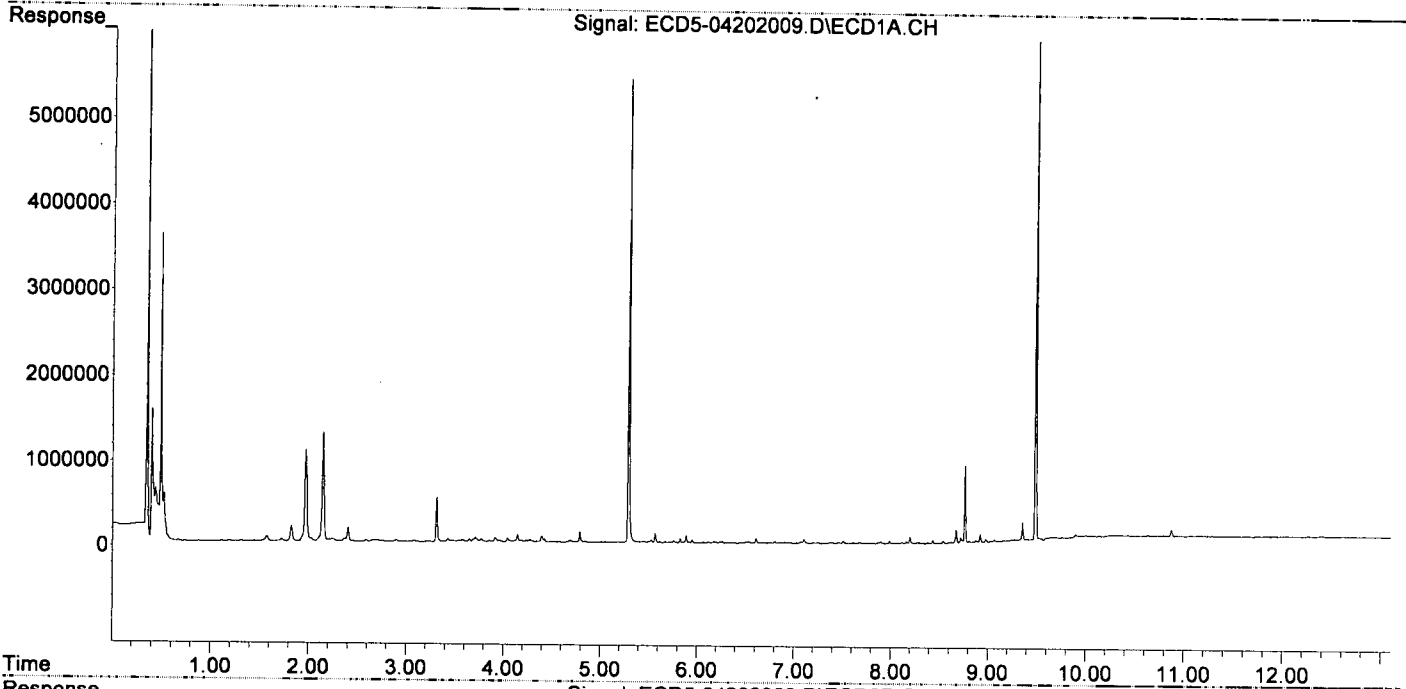
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 5412278 | 8625138 | 28.015 | 30.174 |
| 22) S DCBP (S) | 9.487 | 10.436 | 5999161 | 6764983 | 40.208 | 39.834 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.826 | 0.000 | 56914 | 0 | 0.216 | N.D. # |
| 3) g-BHC | 6.119 | 0.000 | 13627 | 0 | 0.060 | N.D. # |
| 4) b-BHC | 6.176 | 6.893 | 22172 | 8062 | 0.232 | 0.054 # |
| 5) Heptachlor | 6.530 | 7.166f | 19883 | 29871 | 0.089 | 0.089 |
| 6) d-BHC | 6.359 | 7.166f | 6251 | 29871 | 0.032 | 0.091 # |
| 7) Aldrin | 6.742f | 7.429f | 13421 | 14216 | 0.060 | 0.044 # |
| 8) Heptachlo... | 7.252f | 7.874f | 11795 | 31794 | 0.058 | 0.107 # |
| 9) trans-Chl... | 7.325 | 8.044 | 6333 | 16358 | 0.030 | 0.054 # |
| 10) cis-Chlor... | 7.402 | 8.168f | 13227 | 39117 | 0.065 | 0.135 # |
| 11) Endosulfa... | 7.512 | 8.168f | 32861 | 39117 | 0.170 | 0.144 |
| 12) 4,4'-DDE | 7.459f | 8.260 | 16510 | 68295 | 0.084 | 0.239 # |
| 13) Dieldrin | 7.682 | 8.398 | 14489 | 23429 | 0.068 | 0.079 |
| 14) Endrin | 7.873f | 8.592f | 16409 | 8828 | 0.096 | 0.039 # |
| 15) 4,4'-DDD | 7.900 | 8.664 | 27903 | 27545 | 0.171 | 0.114 # |
| 16) Endosulfa... | 8.021 | 8.757 | 4441 | 11179 | 0.027 | 0.047 # |
| 17) 4,4'-DDT | 8.117 | 8.889 | 18016 | 15823 | 0.130 | 0.152 |
| 18) Endrin Al... | 8.302 | 8.978f | 10978 | 20777 | 0.075 | 0.100 # |
| 19) Endosulfa... | 8.600 | 9.210 | 10997 | 19724 | 0.067 | 0.087 # |
| 20) Methoxychlor | 8.433 | 9.373 | 43935 | 67371 | 0.510 | 0.726 # |
| 21) Endrin Ke... | 8.811 | 9.586 | 28471 | 51578 | 0.149 | 0.207 # |
| 23) Hexachlor... | 3.087 | 3.596 | 17329 | 49131 | 11064.616 | BelowCal # |
| 24) Hexachlor... | 5.674 | 6.377 | 18539 | 161825 | BelowCal | 0.342 |
| 25) Oxychlorane | 0.000 | 7.823 | 0 | 44471 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.252f | 8.022 | 11795 | 14655 | BelowCal | BelowCal |
| 27) trans-Non... | 7.402 | 8.103 | 13227 | 13592 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.617 | 8.398 | 11649 | 23429 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.780 | 8.592f | 4500 | 8828 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.873 | 8.664 | 16409 | 27545 | BelowCal | BelowCal |
| 31) Mirex | 8.542 | 9.586 | 33021 | 51578 | 5765.105 | BelowCal # |
| 32) Chlordane... | 7.375 | 8.103f | 15444 | 13592 | 0.662 | 0.345 # |
| 33) Chlordane... | 7.459 | 8.168 | 16510 | 39117 | 0.622 | 1.194 # |
| 34) Chlordane... | 7.989 | 0.000 | 33541 | 0 | 4.614 | N.D. # |
| 35) Chlordane... | 8.648 | 3.671f | 40798 | 91182 | NoCal | NoCal |
| 36) Toxaphene... | 7.459 | 8.398f | 16510 | 23429 | 15.888 | 8.331 # |
| 37) Toxaphene... | 7.742 | 8.757f | 5797 | 11179 | 0.647 | 3.128 # |
| 38) Toxaphene... | 8.058 | 8.805 | 7155 | 107470 | 1.755 | 19.248 # |
| 39) Toxaphene... | 8.302 | 8.889 | 10978 | 15823 | 2.795 | BelowCal # |
| 40) Toxaphene... | 8.542 | 0.000 | 33021 | 0 | 10.765 | N.D. # |
| 41) Toxaphene... | 8.600 | 9.443 | 10997 | 17596 | 2.745 | 3.256 |
| 42) Toxaphene... | 3.648 | 3.671 | 40798 | 91182 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:15
Operator : MJB
Sample : A0D0212-08RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:32
 Operator : MJB
 Sample : AOD0212-09RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:43 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

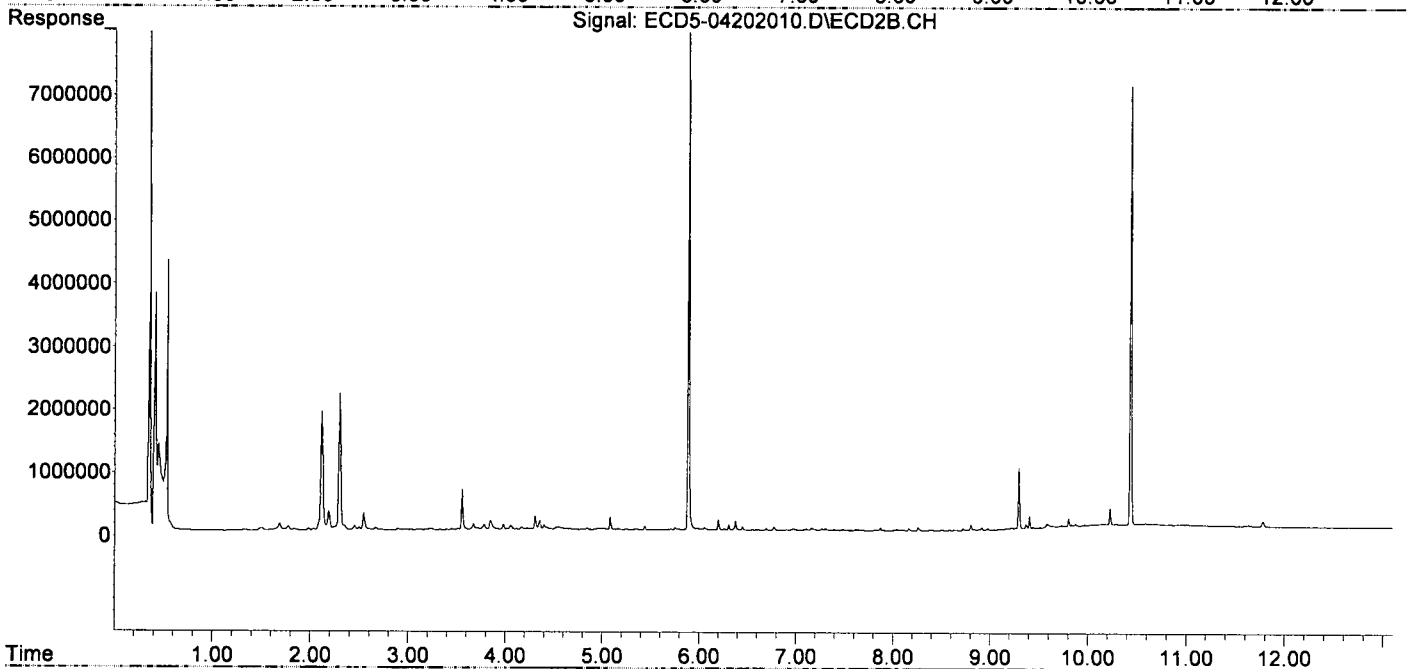
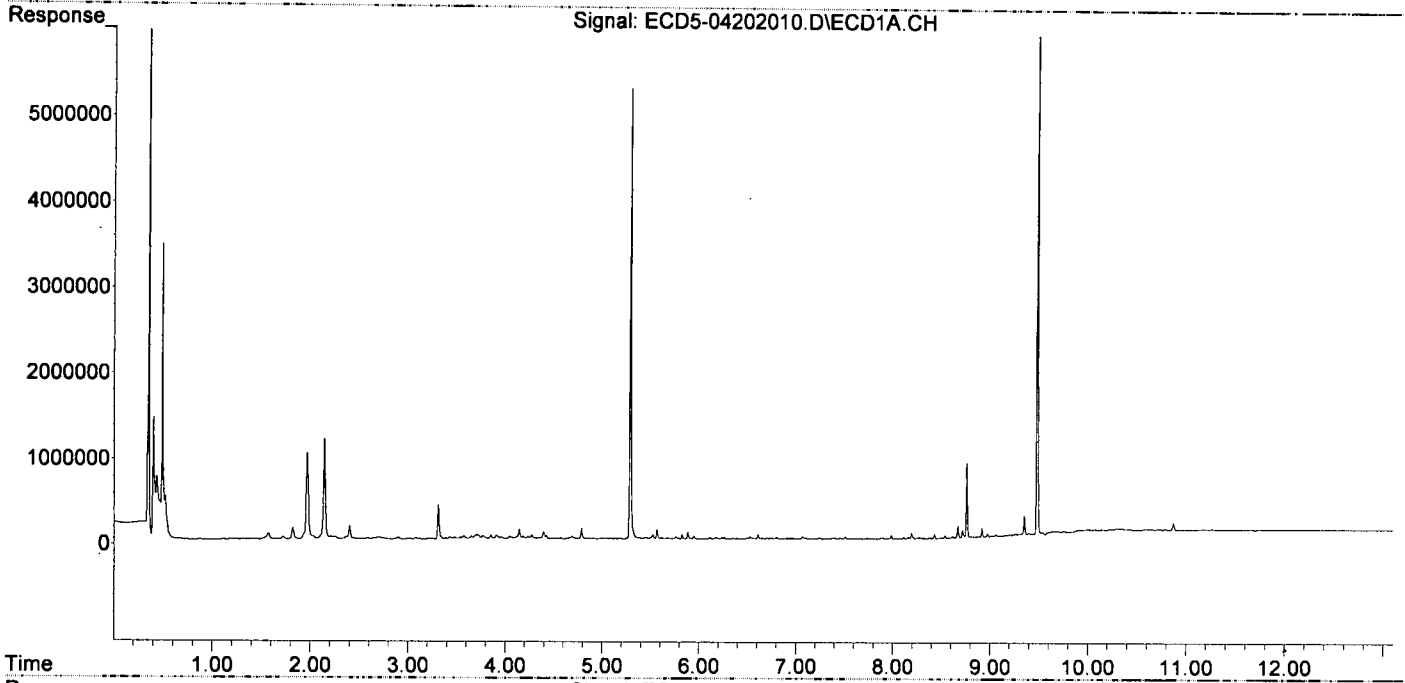
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 5252436 | 8460154 | 27.187 | 29.597 |
| 22) S DCBP (S) | 9.488 | 10.436 | 6158280 | 6926661 | 41.279 | 40.786 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.826 | 0.000 | 57665 | 0 | 0.219 | N.D. # |
| 3) g-BHC | 6.116 | 0.000 | 17080 | 0 | 0.075 | N.D. # |
| 4) b-BHC | 6.177 | 6.890 | 25134 | 6725 | 0.263 | 0.045 # |
| 5) Heptachlor | 6.530 | 7.166f | 25971 | 35387 | 0.117 | 0.106 |
| 6) d-BHC | 6.355 | 7.166f | 10431 | 35387 | 0.053 | 0.108 # |
| 7) Aldrin | 6.757 | 7.490f | 13100 | 16621 | 0.059 | 0.051 |
| 8) Heptachlo... | 7.249f | 7.875f | 13318 | 41165 | 0.065 | 0.138 # |
| 9) trans-Chl... | 7.317 | 8.043 | 5034 | 17571 | 0.024 | 0.058 # |
| 10) cis-Chlor... | 7.404 | 8.166f | 14081 | 38208 | 0.069 | 0.132 # |
| 11) Endosulfa... | 7.512 | 8.166f | 33157 | 38208 | 0.171 | 0.141 |
| 12) 4,4'-DDE | 7.460f | 8.261 | 16060 | 50923 | 0.081 | 0.178 # |
| 13) Dieldrin | 0.000 | 8.385 | 0 | 11325 | N.D. | 0.038 # |
| 14) Endrin | 7.875f | 0.000 | 9259 | 0 | 0.054 | N.D. # |
| 15) 4,4'-DDD | 7.902 | 0.000 | 9833 | 0 | 0.060 | N.D. # |
| 16) Endosulfa... | 8.023 | 8.755 | 6674 | 8474 | 0.040 | 0.035 |
| 17) 4,4'-DDT | 8.117 | 8.889 | 19842 | 11685 | 0.145 | 0.127 |
| 18) Endrin Al... | 8.302 | 8.977f | 7593 | 23359 | 0.052 | 0.112 # |
| 19) Endosulfa... | 8.623f | 9.209 | 18260 | 15580 | 0.111 | 0.068 # |
| 20) Methoxychlor | 8.433 | 9.372 | 49763 | 68008 | 0.601 | 0.733 |
| 21) Endrin Ke... | 8.811 | 9.585 | 19921 | 62537 | 0.104 | 0.251 # |
| 23) Hexachlor... | 3.086 | 3.595 | 17906 | 26872 | 11064.613 | BelowCal # |
| 24) Hexachlor... | 5.674 | 6.377 | 20101 | 148351 | BelowCal | 0.293 |
| 25) Oxychlordane | 0.000 | 7.817 | 0 | 7048 | N.D. | BelowCal |
| 26) 2,4'-DDE | 7.249 | 8.020 | 13318 | 10028 | BelowCal | BelowCal |
| 27) trans-Non... | 7.404 | 8.102 | 14081 | 14167 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.617 | 8.385 | 6608 | 11325 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.804 | 0.000 | 3891 | 0 | BelowCal | N.D. |
| 30) cis-Nonac... | 7.875 | 0.000 | 9259 | 0 | BelowCal | N.D. |
| 31) Mirex | 8.542 | 9.585 | 35317 | 62537 | 5765.087 | BelowCal # |
| 32) Chlordane... | 7.377 | 8.102f | 9921 | 14167 | 0.425 | 0.360 |
| 33) Chlordane... | 7.460 | 8.166 | 16060 | 38208 | 0.605 | 1.167 # |
| 34) Chlordane... | 7.989 | 8.834 | 43670 | 15526 | 6.007 | 1.517 # |
| 35) Chlordane... | 3.648 | 3.671f | 40898 | 97971 | NoCal | NoCal |
| 36) Toxaphene... | 7.460 | 0.000 | 16060 | 0 | 15.454 | N.D. # |
| 37) Toxaphene... | 7.739 | 8.755f | 9503 | 8474 | 2.618 | 2.371 |
| 38) Toxaphene... | 0.000 | 8.805 | 0 | 89322 | N.D. | 15.997 # |
| 39) Toxaphene... | 8.302 | 8.889 | 7593 | 11685 | 1.933 | BelowCal # |
| 40) Toxaphene... | 8.542 | 9.094f | 35317 | 4899 | 11.513 | 0.991 # |
| 41) Toxaphene... | 8.623f | 9.442 | 18260 | 17035 | 4.558 | 3.152 # |
| 42) Toxaphene... | 3.648 | 3.671 | 40898 | 97971 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:32
Operator : MJB
Sample : A0D0212-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:43 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:49
 Operator : MJB
 Sample : AOD0212-01RE1(2)
 Misc : 2x, 8081B 2,4,4,4-DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 15:48:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|---------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 3036665 | 4982997 | 15.718 | 17.432 |
| 22) S DCBP (S) | 9.488 | 10.436 | 3053979 | 3956892 | 20.388 | 23.299 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.492 | 39645 | 58576 | 0.151 | 0.145 |
| 3) g-BHC | 6.146f | 6.846f | 60357 | 98919 | 0.264 | 0.280 |
| 4) b-BHC | 6.192 | 6.893 | 146261 | 106000 | 1.529 | 0.707 # |
| 5) Heptachlor | 6.538 | 7.205 | 81494 | 140869 | 0.366 | 0.420 |
| 6) d-BHC | 6.325 | 7.159f | 47745 | 114817 | 0.245 | 0.352 # |
| 7) Aldrin | 6.792f | 7.423f | 78395 | 155850 | 0.353 | 0.478 # |
| 8) Heptachlo... | 7.229 | 7.882 | 206886 | 278360 | 1.009 | 0.935 |
| 9) trans-Chl... | 7.302 | 8.027 | 152655 | 301375 | 0.732 | 0.995 # |
| 10) cis-Chlor... | 7.429 | 8.142 | 267941 | 123529 | 1.308 | 0.426 # |
| 11) Endosulfa... | 7.536f | 8.165f | 350305 | 176838 | 1.812 | 0.651 # |
| 12) 4,4'-DDE | 7.478 | 8.250 | 802746 | 1450497 | 4.073 | 5.066 |
| 13) Dieldrin | 7.685 | 8.400 | 177920 | 362258 | 0.837 | 1.218 # |
| 14) Endrin | 7.862 | 8.628 | 716370 | 320549 | 4.191 | 1.400 # |
| 15) 4,4'-DDD | 7.899 | 8.664 | 911593 | 1413790 | 5.578 | 5.876 |
| 16) Endosulfa... | 8.005 | 8.756 | 79733 | 351562 | 0.476 | 1.465 # |
| 17) 4,4'-DDT | 8.095 | 8.893 | 404333 | 689947 | 3.283m | 4.288 # |
| 18) Endrin Al... | 8.278f | 9.015 | 176818 | 184933 | 1.208 | 0.889 # |
| 19) Endosulfa... | 8.596 | 9.207 | 571114 | 532184 | 3.473 | 2.337 # |
| 20) Methoxychlor | 8.472f | 9.392 | 378273 | 547679 | 5.689 | 6.414 |
| 21) Endrin Ke... | 8.765f | 9.585 | 443345 | 473510 | 2.322 | 1.899 |
| 23) Hexachlor... | 3.092 | 3.554f | 65152 | 419025 | 0.081 | 0.947 # |
| 24) Hexachlor... | 5.674 | 6.355 | 202702 | 335649 | 0.846 | 0.971 |
| 25) Oxychlordane | 7.130f | 7.812 | 190541 | 567543 | 0.872 | 2.067 # |
| 26) 2,4'-DDE | 7.229 | 8.027 | 206886 | 301375 | 1.505 | 1.450 # |
| 27) trans-Non... | 7.429 | 8.094 | 267941 | 428601 | 1.170 | 1.339 # |
| 28) 2,4'-DDD | 7.608 | 8.400 | 286134 | 362258 | 2.420m | 1.972 # |
| 29) 2,4'-DDT | 7.775 | 8.628 | 140805 | 320549 | 1.216m | 2.114 # |
| 30) cis-Nonac... | 7.862 | 8.664 | 716370 | 1413790 | 3.315 | 4.677 # |
| 31) Mirex | 8.540 | 9.585 | 238671 | 473510 | 1.422 | 2.355 # |
| 32) Chlordane... | 7.358 | 8.094 | 106668 | 428601 | 4.570 | 10.877 # |
| 33) Chlordane... | 7.478f | 8.165 | 802746 | 176838 | 30.233 | 5.400 # |
| 34) Chlordane... | 8.005 | 8.829 | 79733 | 222301 | 10.968 | 21.723 # |
| 35) Chlordane... | 3.666 | 3.613f | 16550 | 22861 | NoCal | NoCal |
| 36) Toxaphene... | 7.478 | 8.400f | 802746 | 362258 | 772.472 | 128.808 # |
| 37) Toxaphene... | 7.769 | 8.802f | 164932 | 380656 | 85.708 | 106.503 |
| 38) Toxaphene... | 8.040f | 8.802 | 93173 | 380656 | 22.856 | 68.175 # |
| 39) Toxaphene... | 8.329f | 8.893 | 158102 | 689947 | 40.249 | 79.997 # |
| 40) Toxaphene... | 8.540 | 9.054 | 238671 | 165126 | 77.807 | 33.415 # |
| 41) Toxaphene... | 8.596 | 9.459f | 571114 | 1011365 | 142.575 | 187.133 # |
| 42) Toxaphene... | 3.666 | 3.689f | 16550 | 124556 | NoCal | NoCal |

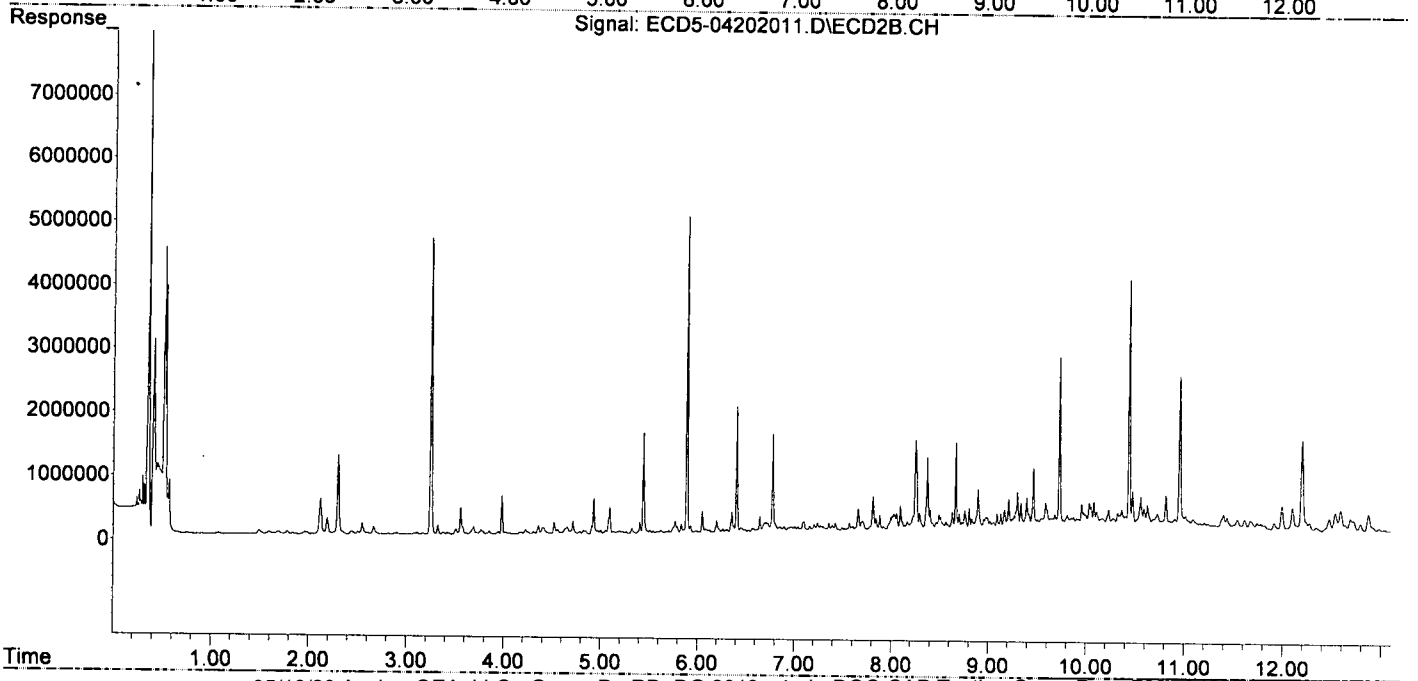
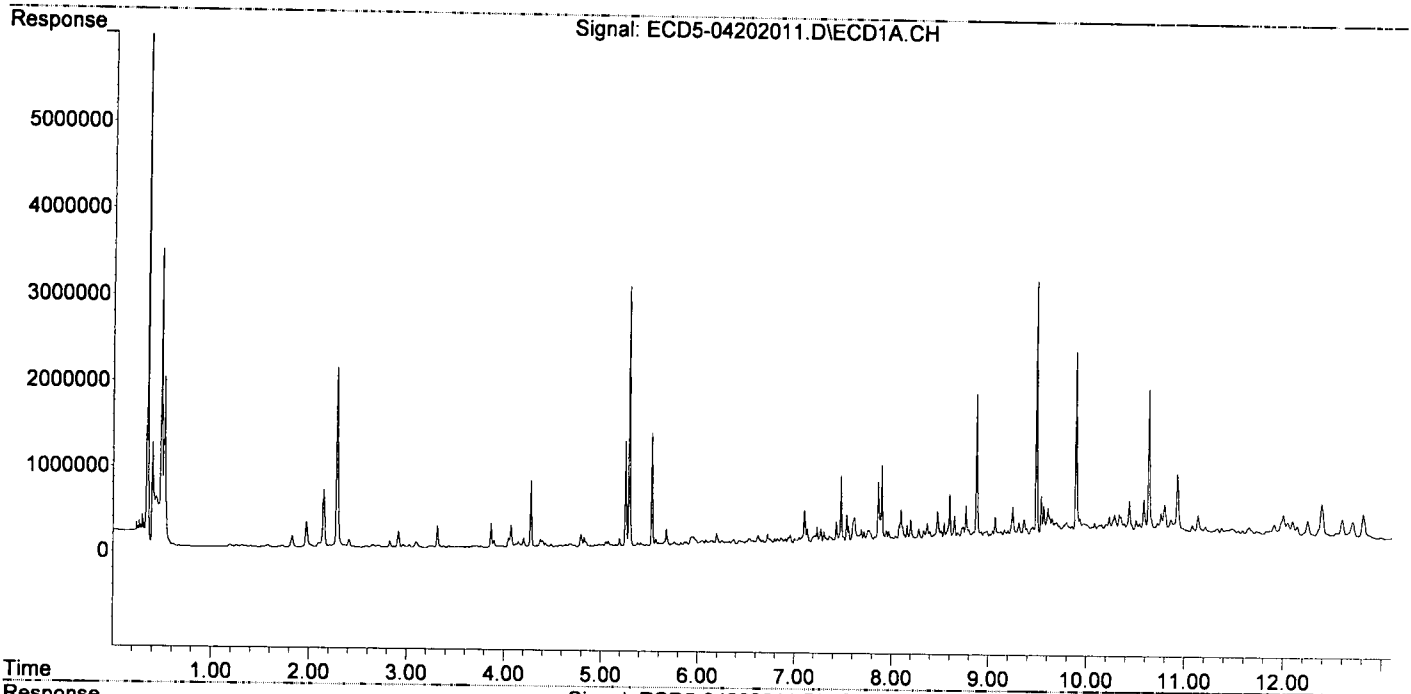
MJB-MJB
MJB-MJB
7-1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : AOD0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 15:48:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

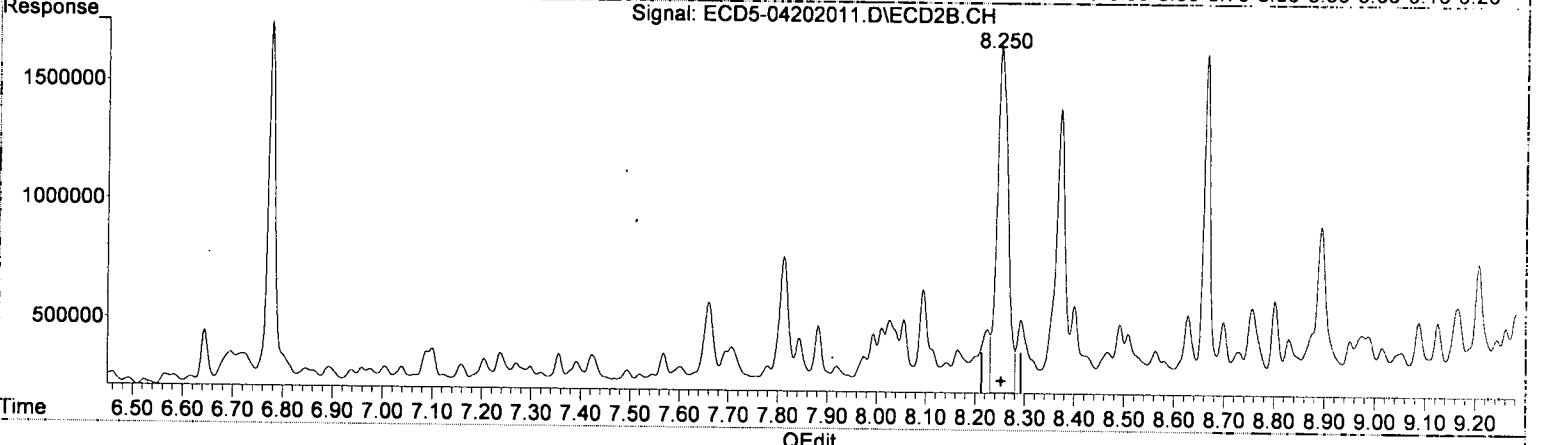
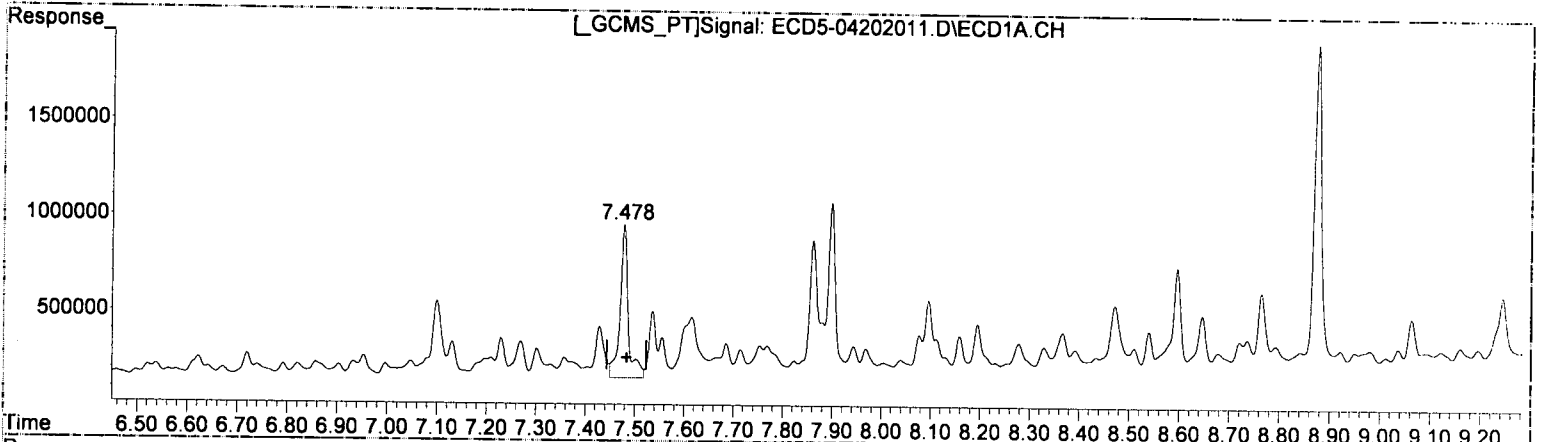


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : A0D0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.478min 4.073 ng/mL
response 802746

MJB
4/21/20

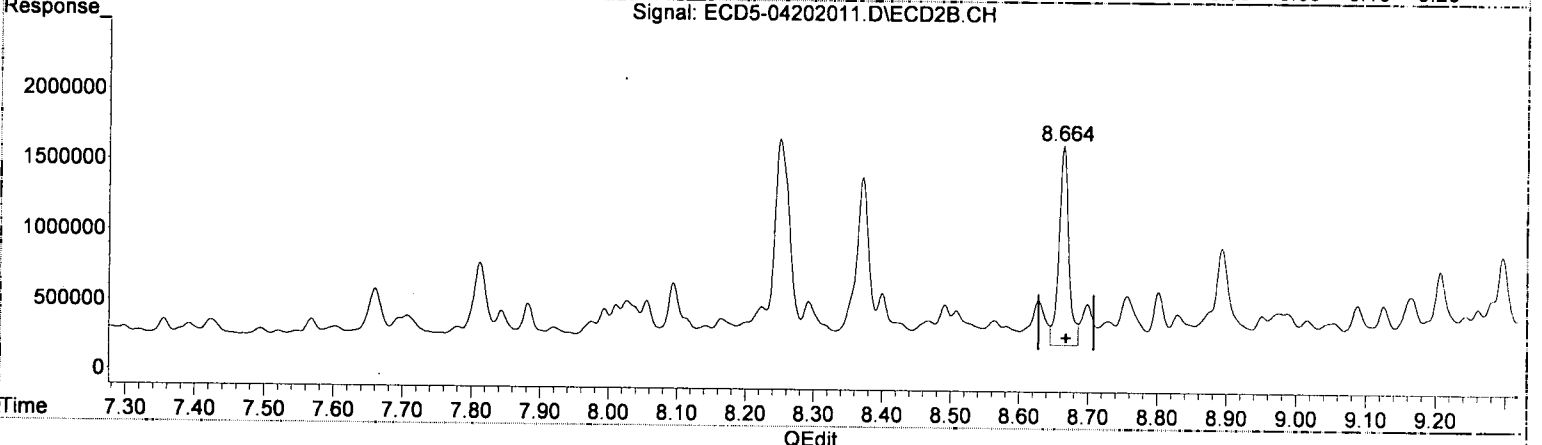
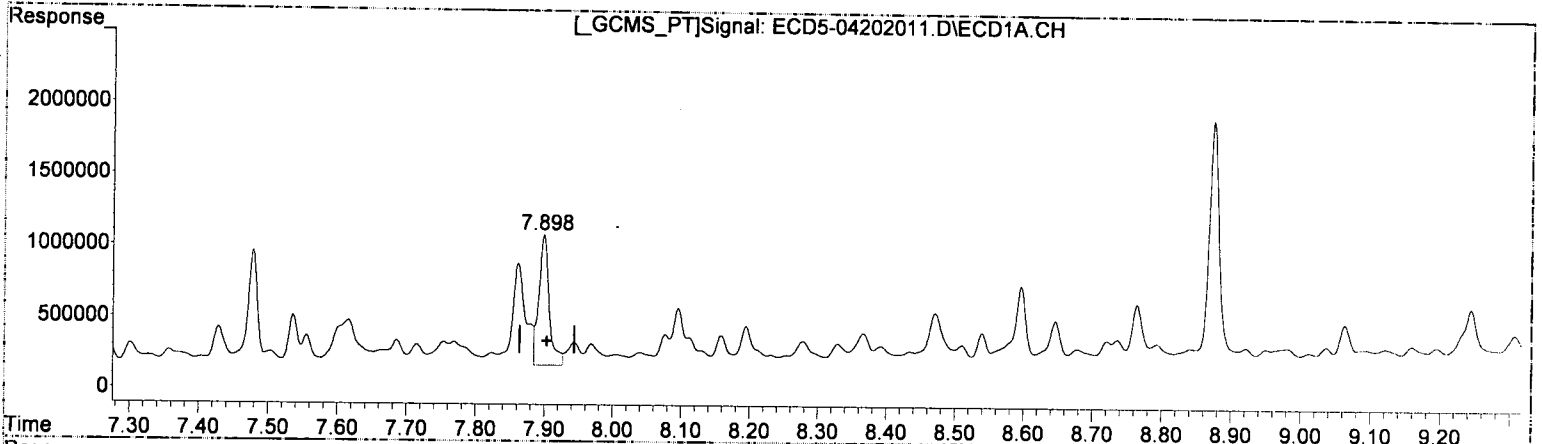
(12) 4,4'-DDE #2
8.250min 5.066 ng/mL
response 1450497

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : A0D0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.899min (5.578 ng/mL)
response 911593

MJB
4/21/20

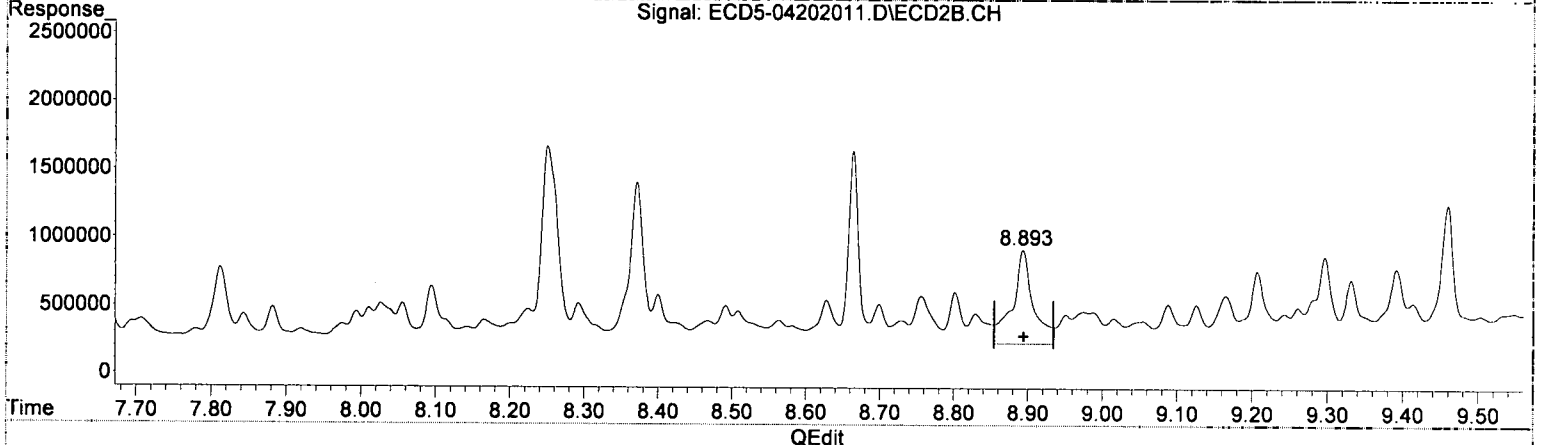
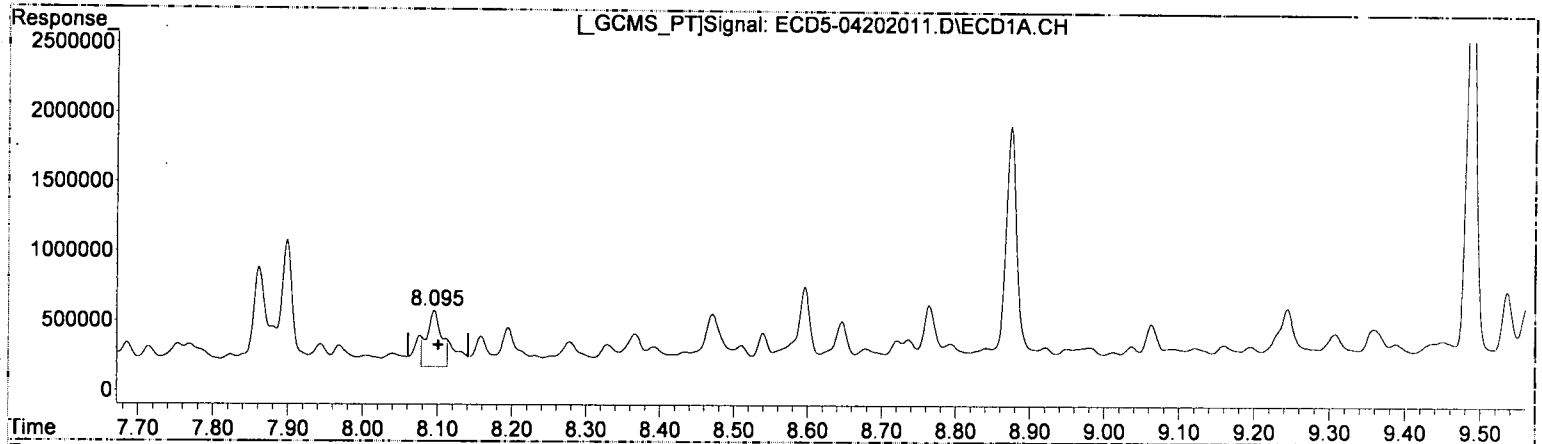
(15) 4,4'-DDD #2
8.664min 5.876 ng/mL
response 1413790

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : AOD0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(17) 4,4'-DDT
8.095min 3.283 ng/mL (+)
response 404333

MJB
4/21/20

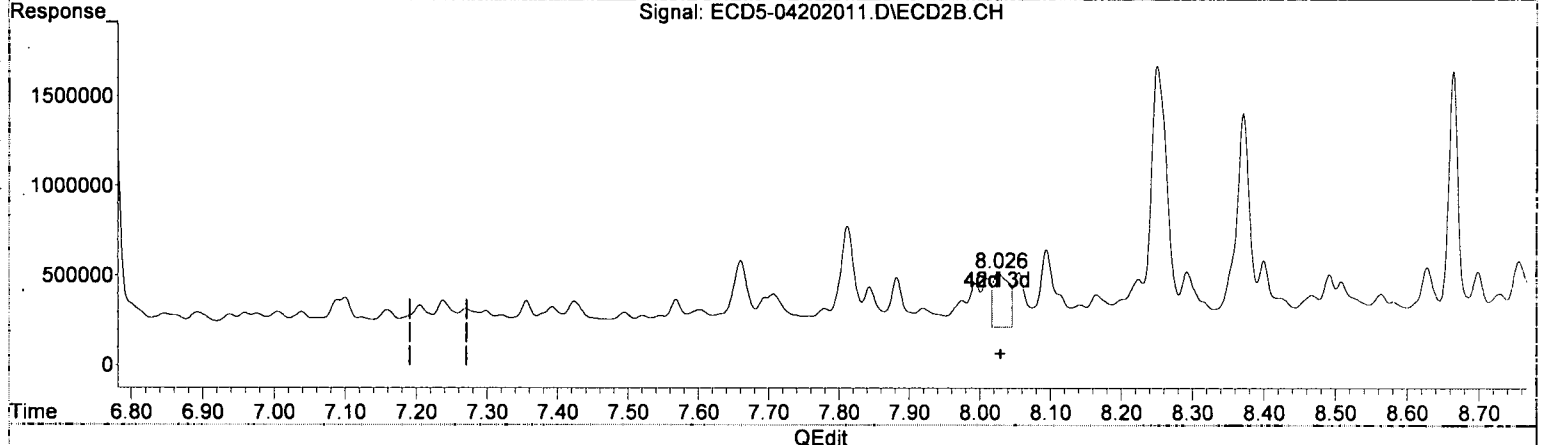
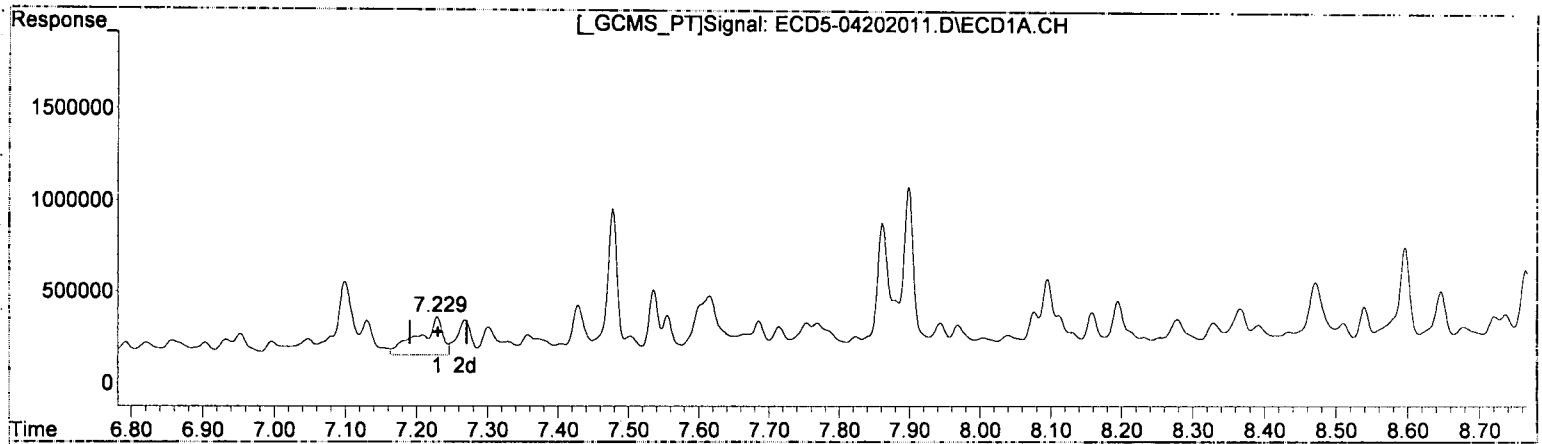
(17) 4,4'-DDT #2
8.893min 4.288 ng/mL
response 689947

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : A0D0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(26) 2,4'-DDE
7.229min 1.505 ng/mL
response 206886

MJB
4/21/20

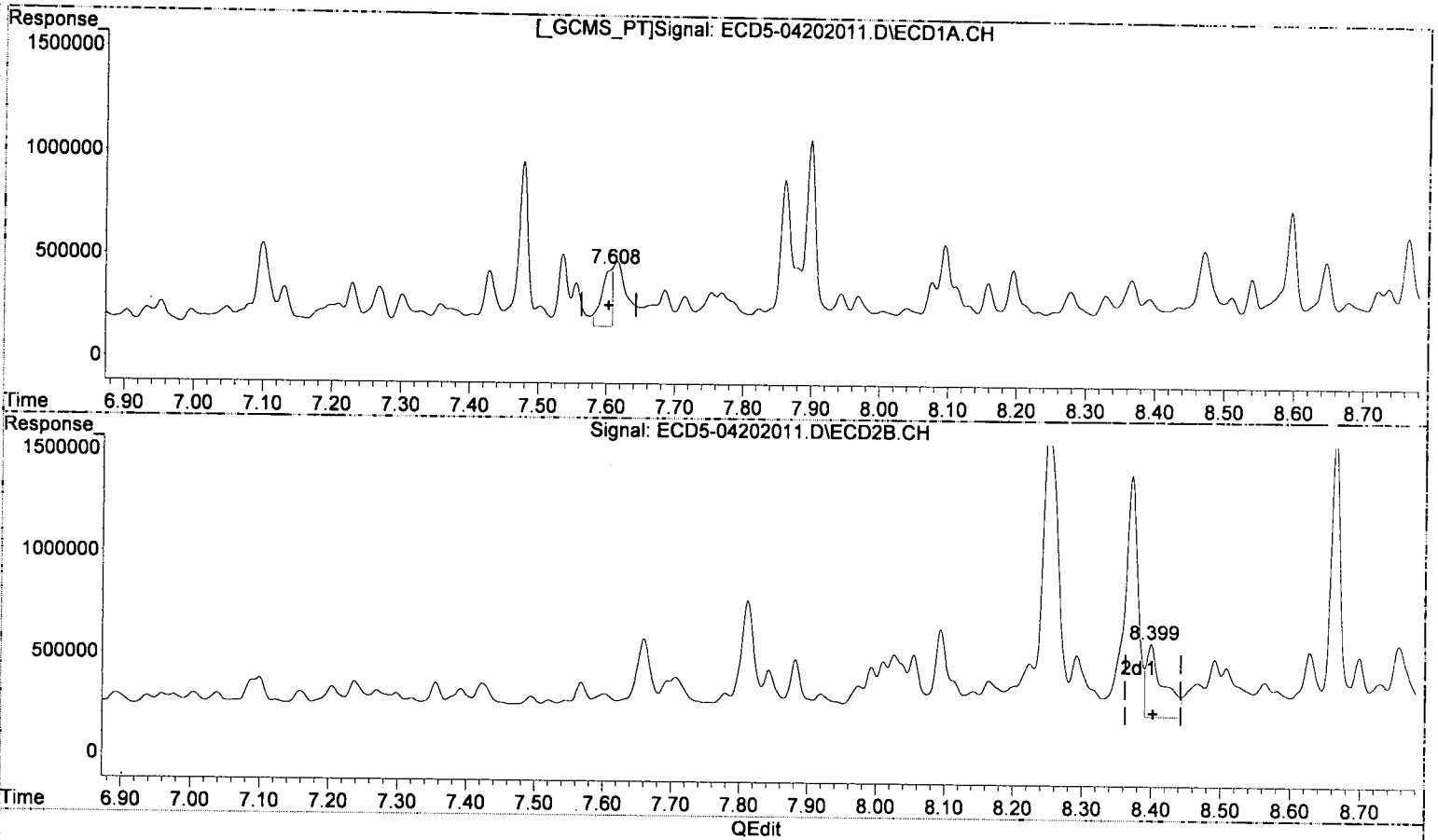
(26) 2,4'-DDE #2
8.027min 1.450 ng/mL MDL-MRL
response 301375

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : AOD0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD

7.608min 2.420 ng/mL(m)

response 286134

MJB
4/21/20

(28) 2,4'-DDD #2

8.400min 1.972 ng/mL MJB - MRL

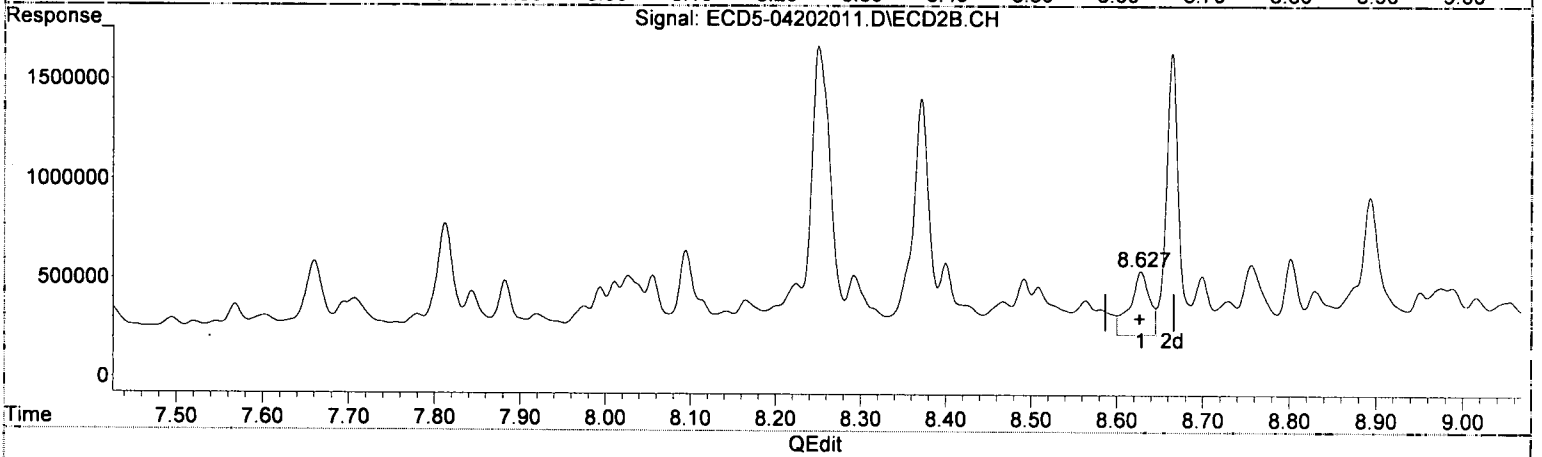
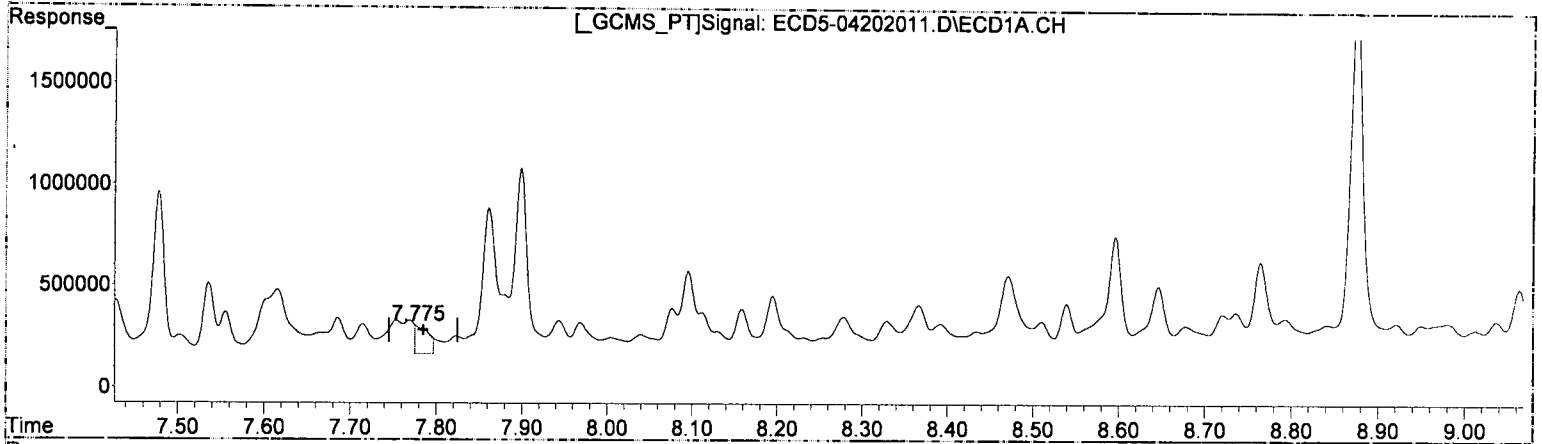
response 362258

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:49
 Operator : MJB
 Sample : AOD0212-01RE102
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT

7.775min 1.216 ng/mL (m) MDL-MR

response 140805

MJB
4/21/20

(29) 2,4'-DDT #2

8.628min 2.114 ng/mL P-21

response 320549

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 14:49
 Operator : MJB
 Sample : AOD0212-01RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

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 MJB
 4/21/20

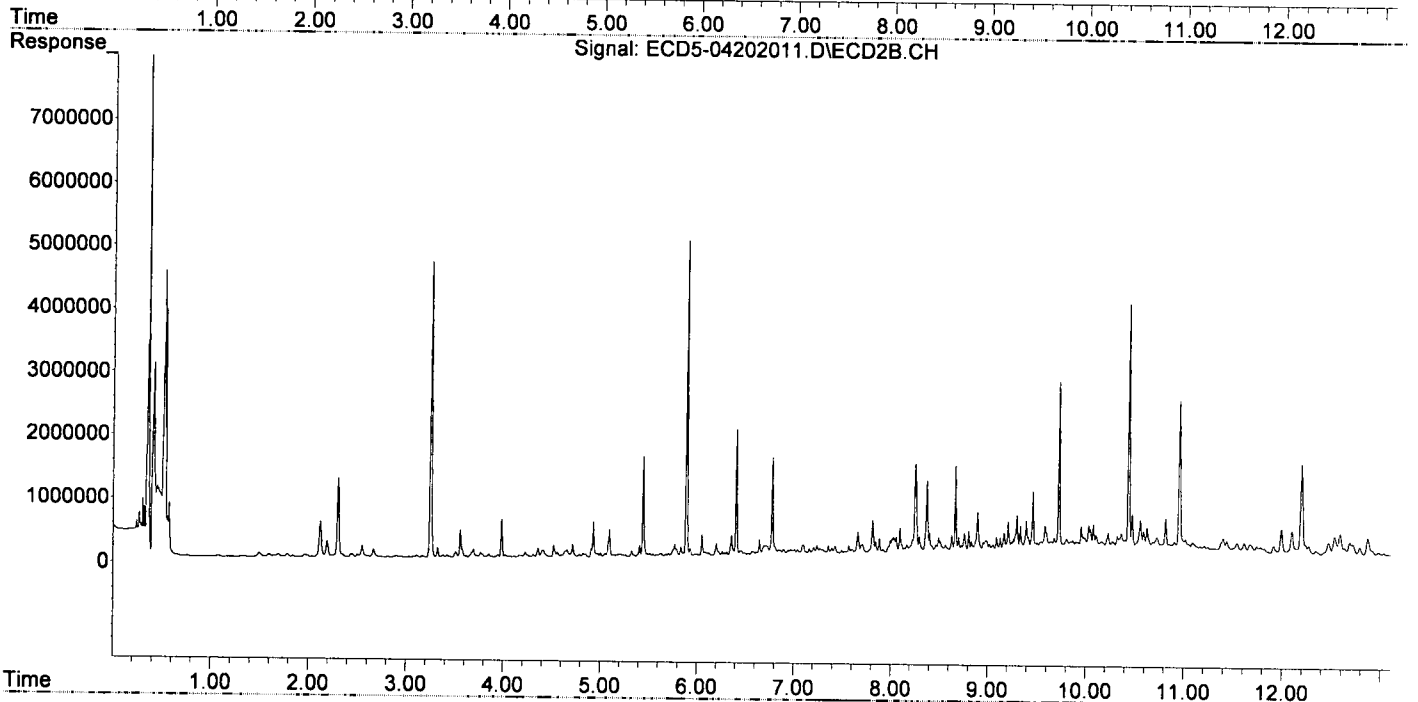
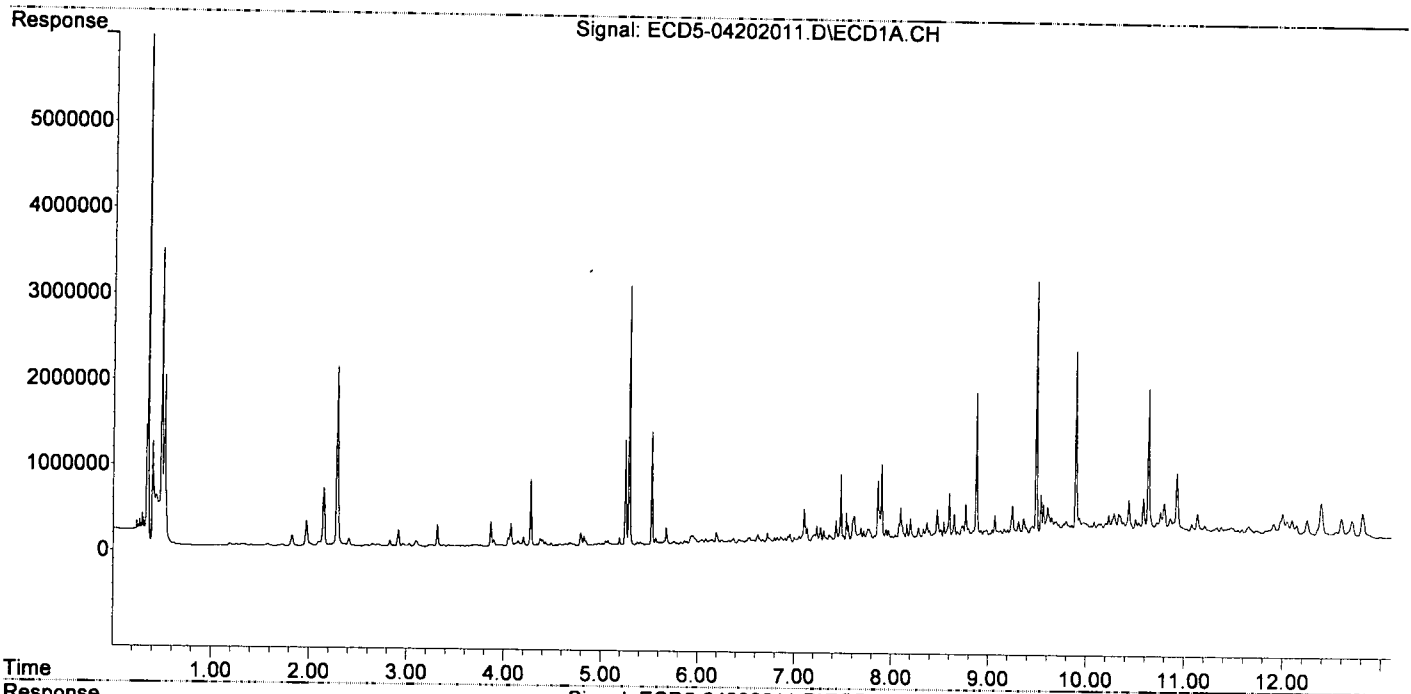
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|---------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 3036665 | 4982997 | 15.718 | 17.432 |
| 22) S DCBP (S) | 9.488 | 10.436 | 3053979 | 3956892 | 20.388 | 23.299 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.492 | 39645 | 58576 | 0.151 | 0.145 |
| 3) g-BHC | 6.146f | 6.846f | 60357 | 98919 | 0.264 | 0.280 |
| 4) b-BHC | 6.192 | 6.893 | 146261 | 106000 | 1.529 | 0.707 # |
| 5) Heptachlor | 6.538 | 7.205 | 81494 | 140869 | 0.366 | 0.420 |
| 6) d-BHC | 6.325 | 7.159f | 47745 | 114817 | 0.245 | 0.352 # |
| 7) Aldrin | 6.792f | 7.423f | 78395 | 155850 | 0.353 | 0.478 # |
| 8) Heptachlo... | 7.229 | 7.882 | 206886 | 278360 | 1.009 | 0.935 |
| 9) trans-Chl... | 7.302 | 8.027 | 152655 | 301375 | 0.732 | 0.995 # |
| 10) cis-Chlor... | 7.429 | 8.142 | 267941 | 123529 | 1.308 | 0.426 # |
| 11) Endosulfa... | 7.536f | 8.165f | 350305 | 176838 | 1.812 | 0.651 # |
| 12) 4,4'-DDE | 7.478 | 8.250 | 802746 | 1450497 | 4.073 | 5.066 |
| 13) Dieldrin | 7.685 | 8.400 | 177920 | 362258 | 0.837 | 1.218 # |
| 14) Endrin | 7.862 | 8.628 | 716370 | 320549 | 4.191 | 1.400 # |
| 15) 4,4'-DDD | 7.899 | 8.664 | 911593 | 1413790 | 5.578 | 5.876 |
| 16) Endosulfa... | 8.005 | 8.756 | 79733 | 351562 | 0.476 | 1.465 # |
| 17) 4,4'-DDT | 8.096 | 8.893 | 403099 | 689947 | 3.273 | 4.288 # |
| 18) Endrin Al... | 8.278f | 9.015 | 176818 | 184933 | 1.208 | 0.889 # |
| 19) Endosulfa... | 8.596 | 9.207 | 571114 | 532184 | 3.473 | 2.337 # |
| 20) Methoxychlor | 8.472f | 9.392 | 378273 | 547679 | 5.689 | 6.414 |
| 21) Endrin Ke... | 8.765f | 9.585 | 443345 | 473510 | 2.322 | 1.899 |
| 23) Hexachlor... | 3.092 | 3.554f | 65152 | 419025 | 0.081 | 0.947 # |
| 24) Hexachlor... | 5.674 | 6.355 | 202702 | 335649 | 0.846 | 0.971 |
| 25) Oxychlorane | 7.130f | 7.812 | 190541 | 567543 | 0.872 | 2.067 # |
| 26) 2,4'-DDE | 7.229 | 8.027 | 206886 | 301375 | 1.505 | 1.450 |
| 27) trans-Non... | 7.429 | 8.094 | 267941 | 428601 | 1.170 | 1.339 |
| 28) 2,4'-DDD | 7.615 | 8.400 | 316883 | 362258 | 2.710 | 1.972 # |
| 29) 2,4'-DDT | 7.769 | 8.628 | 164932 | 320549 | 1.459 | 2.114 # |
| 30) cis-Nonac... | 7.862 | 8.664 | 716370 | 1413790 | 3.315 | 4.677 # |
| 31) Mirex | 8.540 | 9.585 | 238671 | 473510 | 1.422 | 2.355 # |
| 32) Chlordane... | 7.358 | 8.094 | 106668 | 428601 | 4.570 | 10.877 # |
| 33) Chlordane... | 7.478f | 8.165 | 802746 | 176838 | 30.233 | 5.400 # |
| 34) Chlordane... | 8.005 | 8.829 | 79733 | 222301 | 10.968 | 21.723 # |
| 35) Chlordane... | 3.666 | 3.613f | 16550 | 22861 | NoCal | NoCal |
| 36) Toxaphene... | 7.478 | 8.400f | 802746 | 362258 | 772.472 | 128.808 # |
| 37) Toxaphene... | 7.769 | 8.802f | 164932 | 380656 | 85.708 | 106.503 |
| 38) Toxaphene... | 8.040f | 8.802 | 93173 | 380656 | 22.856 | 68.175 # |
| 39) Toxaphene... | 8.329f | 8.893 | 158102 | 689947 | 40.249 | 79.997 # |
| 40) Toxaphene... | 8.540 | 9.054 | 238671 | 165126 | 77.807 | 33.415 # |
| 41) Toxaphene... | 8.596 | 9.459f | 571114 | 1011365 | 142.575 | 187.133 # |
| 42) Toxaphene... | 3.666 | 3.689f | 16550 | 124556 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 14:49
Operator : MJB
Sample : AOD0212-01RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 15:27
 Operator : MJB
 Sample : 0040473-DUP1(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 15:54:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

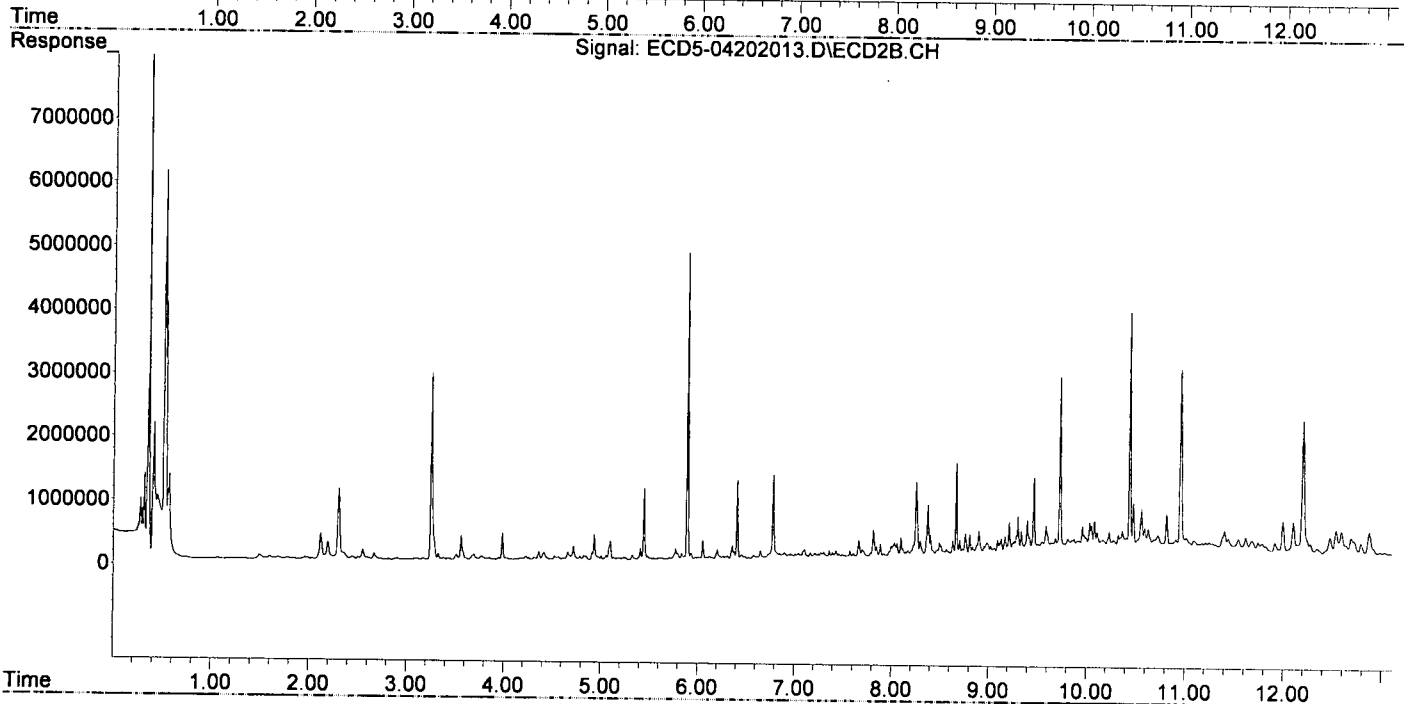
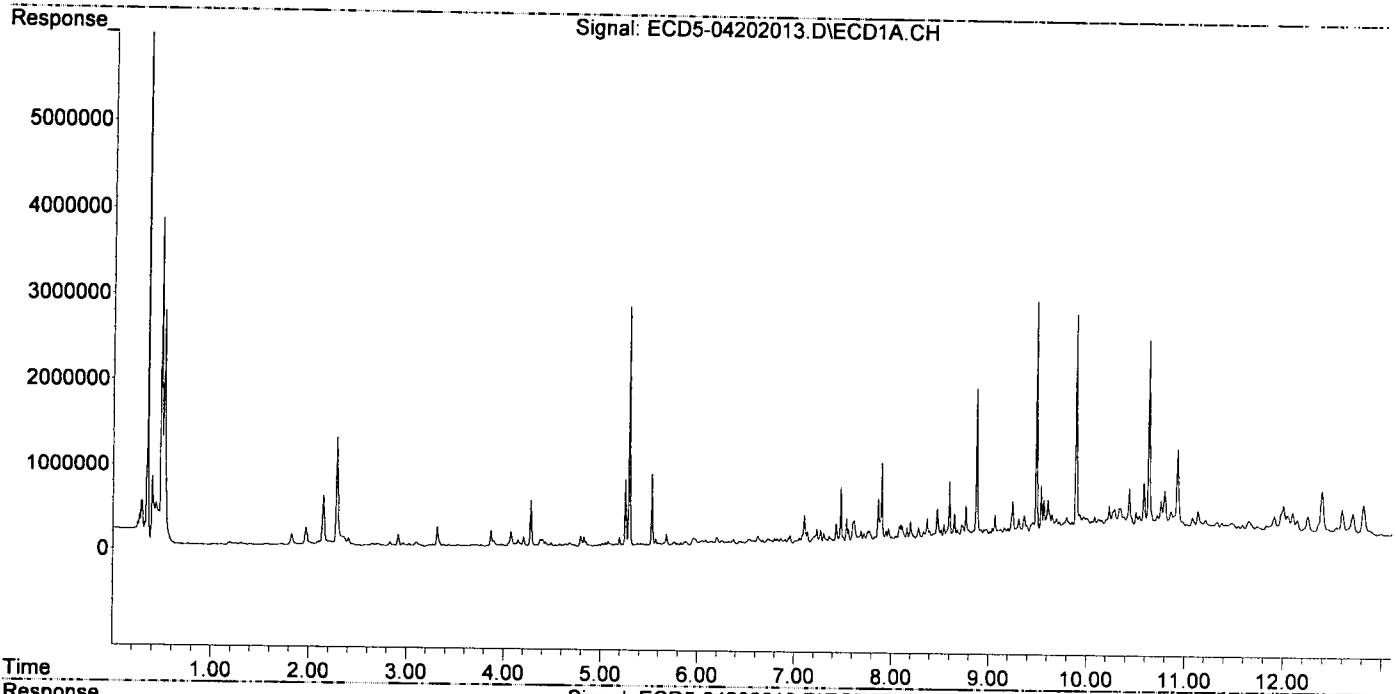
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|------------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 2795556 | 4816971 | 14.470 | 16.851 |
| 22) S DCBP (S) | 9.486 | 10.436 | 2797320 | 3829708 | 18.660 | 22.550 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.824 | 6.490 | 29411 | 34302 | 0.112 | 0.085 |
| 3) g-BHC | 6.144f | 6.844f | 38167 | 77778 | 0.167 | 0.220 # |
| 4) b-BHC | 6.195 | 6.893 | 82677 | 97321 | 0.864 | 0.649 |
| 5) Heptachlor | 6.538 | 7.207 | 58474 | 82190 | 0.262 | 0.245 |
| 6) d-BHC | 6.323 | 7.161f | 35724 | 93357 | 0.183 | 0.286 # |
| 7) Aldrin | 6.791f | 7.456 | 64763 | 68240 | 0.292 | 0.209 # |
| 8) Heptachlo... | 7.229 | 7.882 | 168405 | 224160 | 0.822 | 0.753 |
| 9) trans-Chl... | 7.300f | 8.027 | 113121 | 240282 | 0.543 | 0.793 # |
| 10) cis-Chlor... | 7.428 | 8.142 | 221878 | 91605 | 1.083 | 0.316 # |
| 11) Endosulfa... | 7.535 | 8.165f | 282247 | 114563 | 1.460 | 0.422 # |
| 12) 4,4'-DDE | 7.476 | 8.250 | 638746 | 1184630 | 3.241 | 4.137 # |
| 13) Dieldrin | 7.684 | 8.399 | 143113 | 356075 | 0.674 | 1.197 # |
| 14) Endrin | 7.861 | 8.628 | 507174 | 269253 | 2.967 | 1.176 # |
| 15) 4,4'-DDD | 7.898 | 8.663 | 937583 | 1487218 | 5.737 | 6.181 |
| 16) Endosulfa... | 8.002 | 8.757 | 64426 | 376941 | 0.385 | 1.571 # |
| 17) 4,4'-DDT | 8.093 | 8.896 | 216668 | 413235 | 1.756m | 2.603 # |
| 18) Endrin Al... | 8.276f | 9.016 | 165668 | 182111 | 1.132 | 0.876 |
| 19) Endosulfa... | 8.595 | 9.206 | 706211 | 547746 | 4.295 | 2.406 # |
| 20) Methoxychlor | 8.433 | 9.392 | 97015 | 573070 | 1.337 | 6.711 # |
| 21) Endrin Ke... | 8.763f | 9.584 | 416089 | 486560 | 2.179 | 1.952 |
| 23) Hexachlor... | 3.097 | 3.555f | 45421 | 388194 | 11064.466 | 0.861 # |
| 24) Hexachlor... | 5.674 | 6.355 | 126178 | 215793 | 0.422 | 0.538 # |
| 25) Oxychlorthane | 7.130f | 7.812 | 139144 | 440976 | 0.567 | 1.547 # |
| 26) 2,4'-DDE | 7.229 | 8.027 | 168405 | 240282 | 1.186 | 1.113 # -MDL-MRL |
| 27) trans-Non... | 7.428 | 8.094 | 221878 | 323342 | 0.924 | 0.951 # -MDL-MRL |
| 28) 2,4'-DDD | 7.601 | 8.399 | 247686 | 356075 | 2.057m | 1.934 # -MDL-MRL |
| 29) 2,4'-DDT | 7.776 | 8.628 | 110786 | 269253 | 0.914m | 1.747 # -MDL-MRL |
| 30) cis-Nonac... | 7.861 | 8.663 | 507174 | 1487218 | 2.280 | 4.929 # |
| 31) Mirex | 8.539 | 9.584 | 201732 | 486560 | 1.140 | 2.433 # |
| 32) Chlordane... | 7.356 | 8.094 | 79822 | 323342 | 3.420 | 8.206 # |
| 33) Chlordane... | 7.476 | 8.165 | 638746 | 114563 | 24.056 | 3.498 # |
| 34) Chlordane... | 8.002 | 8.829 | 64426 | 168671 | 8.862 | 16.483 # |
| 35) Chlordane... | 3.669 | 3.672f | 15950 | 64090 | NoCal | NoCal |
| 36) Toxaphene... | 7.476 | 8.399f | 638746 | 356075 | 614.657 | 126.609 # |
| 37) Toxaphene... | 7.768 | 8.757f | 144219 | 376941 | 74.588 | 105.464 # |
| 38) Toxaphene... | 8.076 | 8.802 | 189306 | 356701 | 46.438 | 63.885 # |
| 39) Toxaphene... | 8.329f | 8.875 | 119591 | 200111 | 30.445 | 20.215 # |
| 40) Toxaphene... | 8.539 | 9.055 | 201732 | 147967 | 65.765 | 29.943 # |
| 41) Toxaphene... | 8.595 | 9.459 | 706211 | 1243445 | 176.302 | 230.074 # |
| 42) Toxaphene... | 3.669 | 3.672 | 15950 | 64090 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 15:54:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

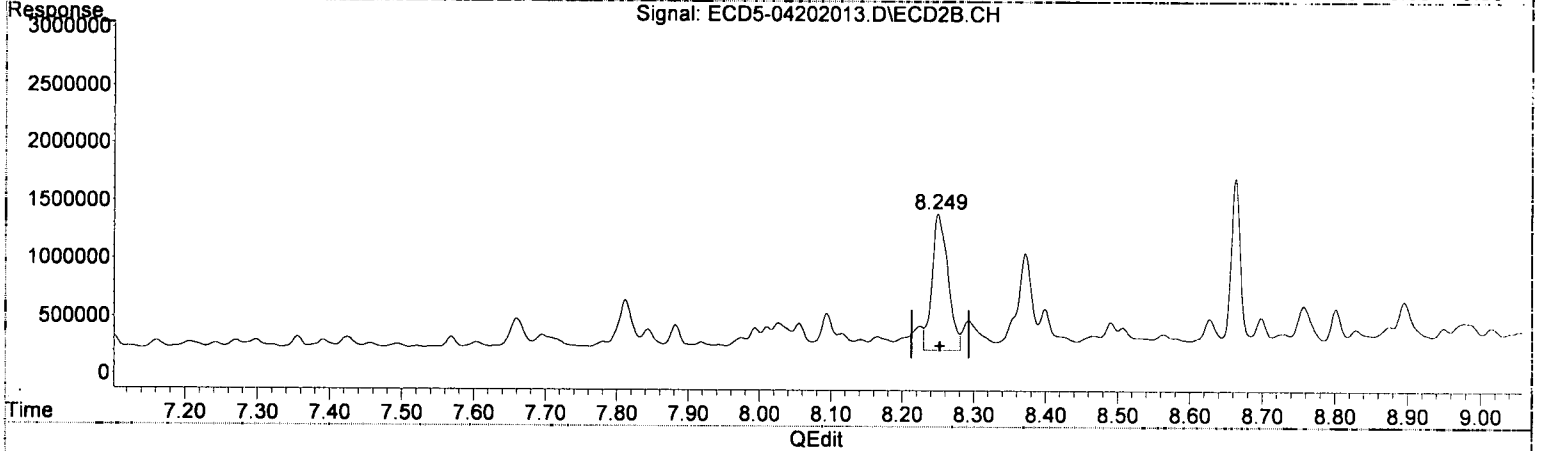
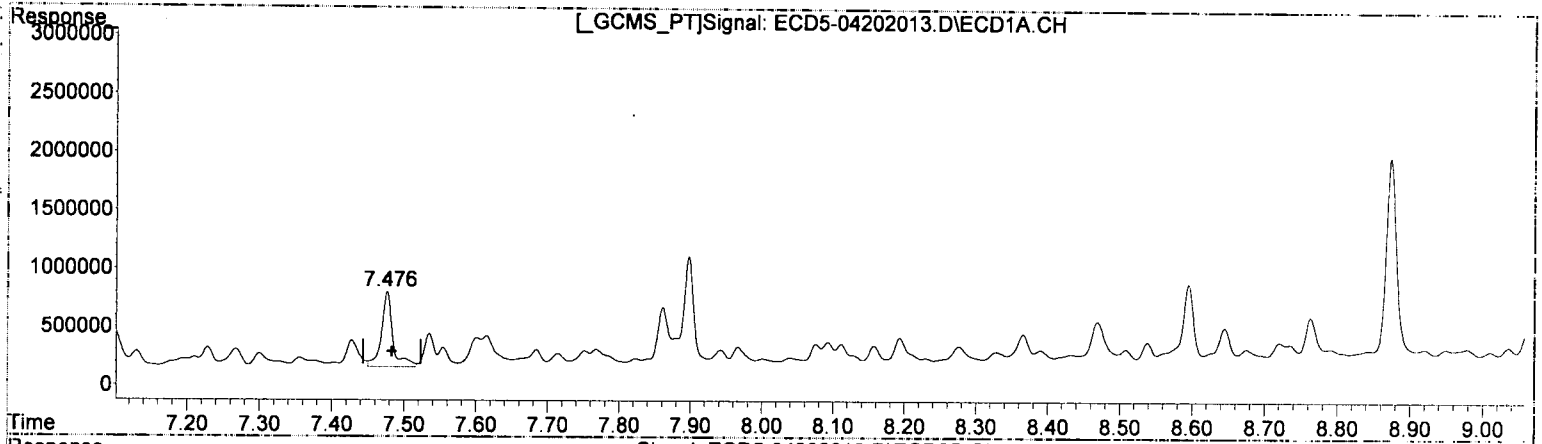


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.476min 3.241 ng/mL
response 638746

MJB
4/21/20

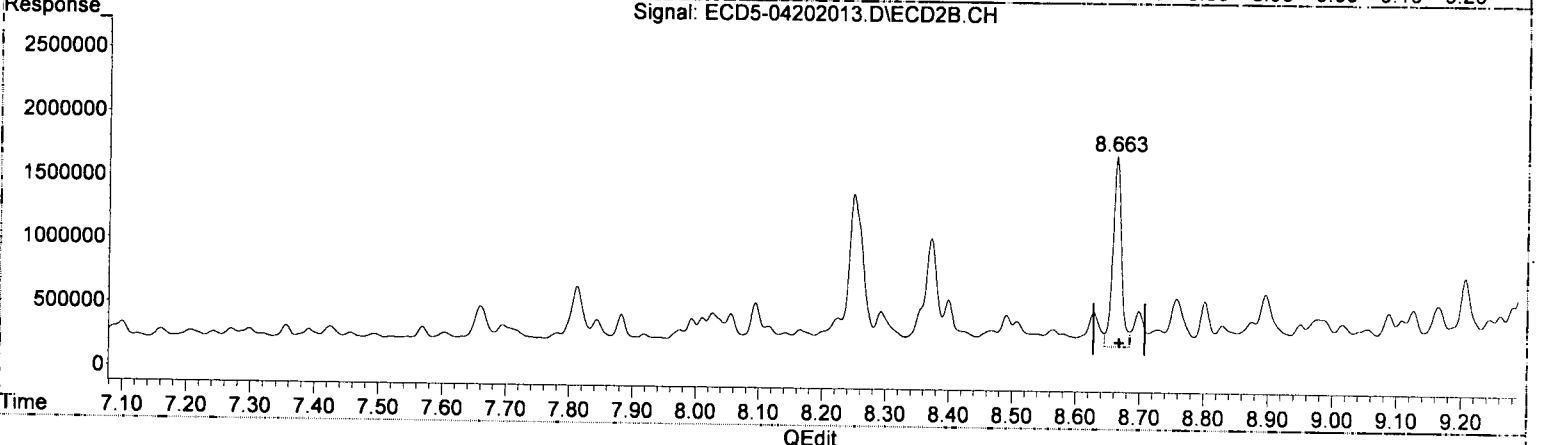
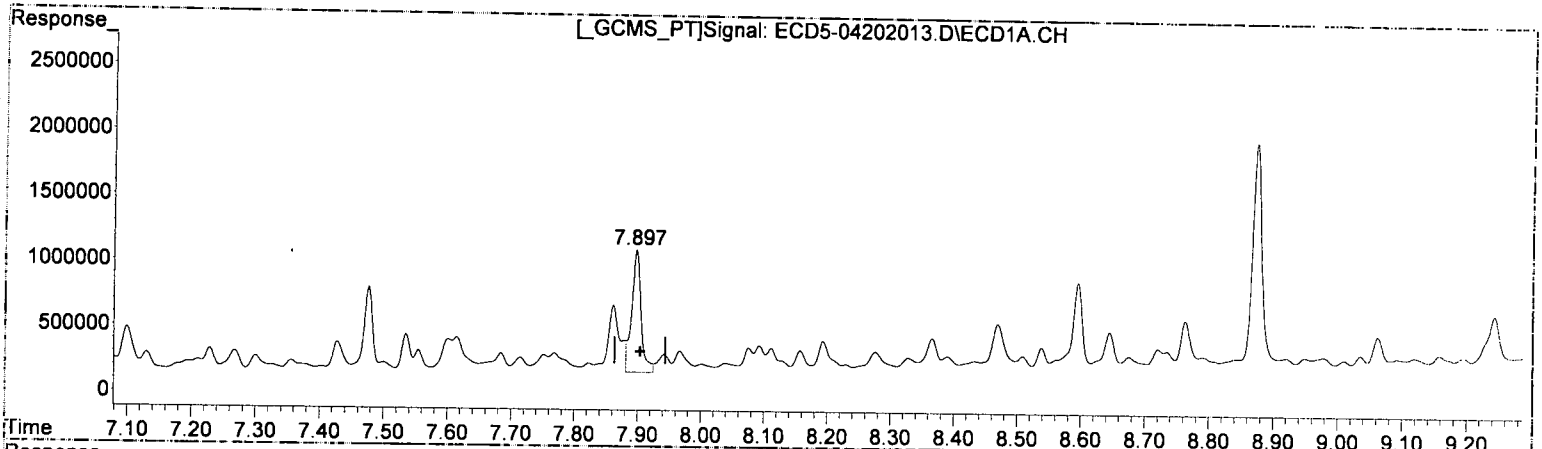
(12) 4,4'-DDE #2
8.250min 4.137 ng/mL
response 1184630

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.898min 5.737 ng/mL
response 937583

(15) 4,4'-DDD #2
8.663min 6.181 ng/mL
response 1487218

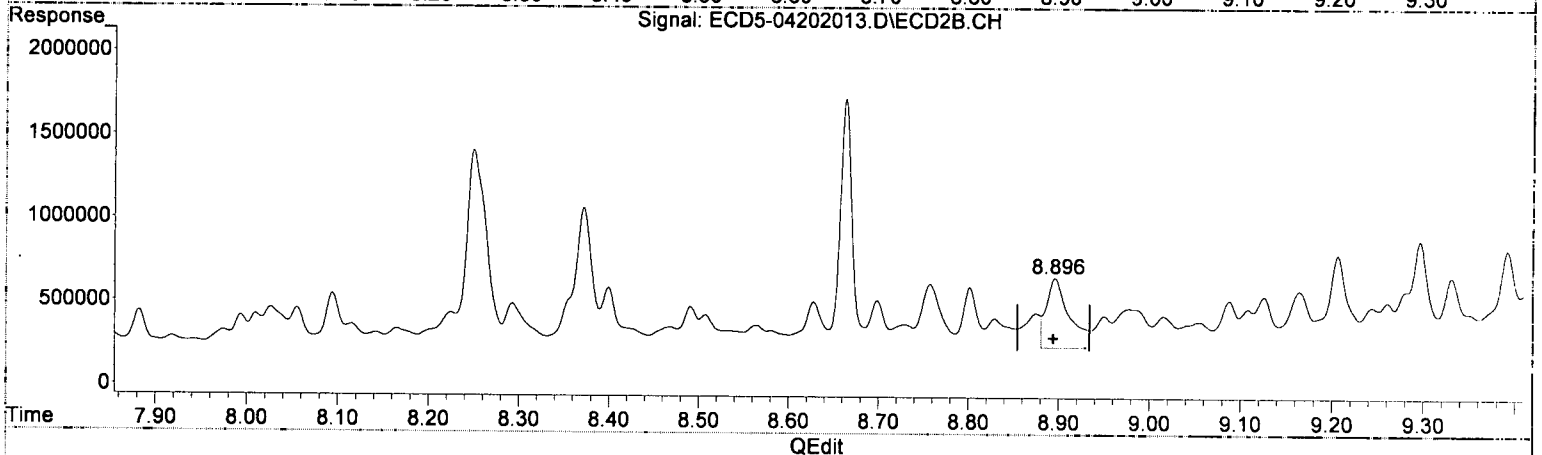
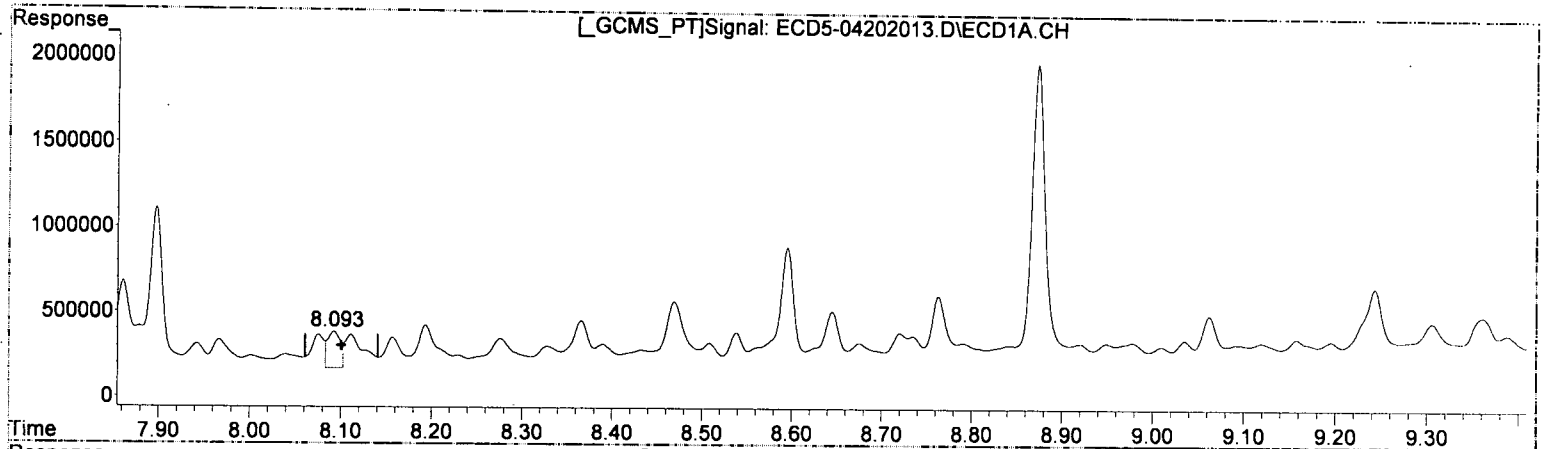
MJB
4/21/20
MJB
4/21/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT
8.093min 1.756 ng/mL (m)
response 216668

WB
4/24/20

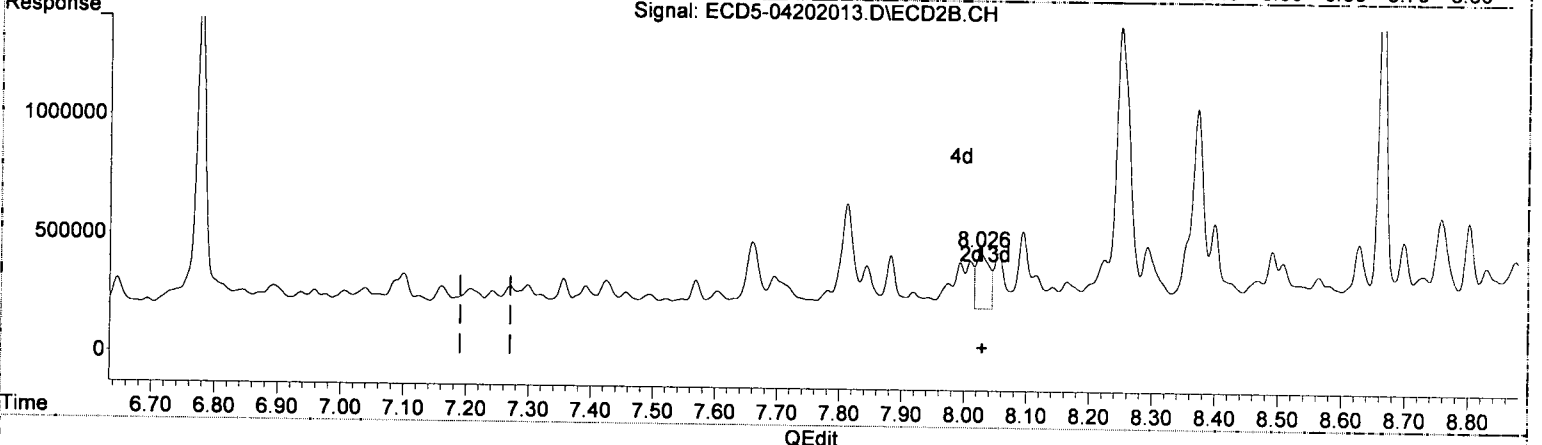
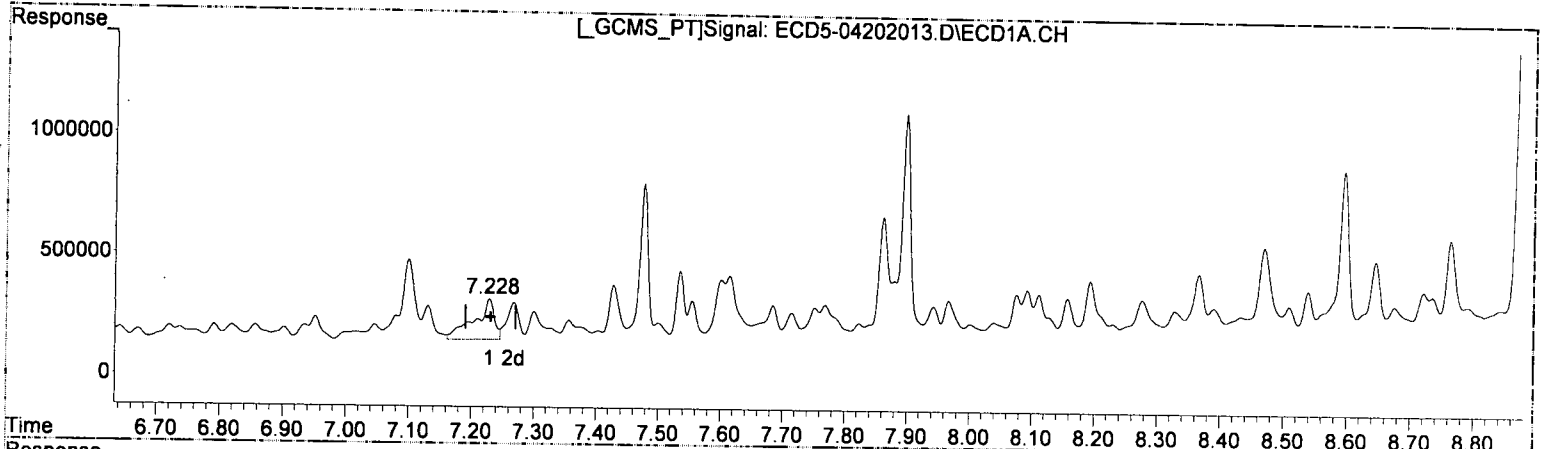
(17) 4,4'-DDT #2
8.896min 2.603 ng/mL
response 413235

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(26) 2,4'-DDE
7.229min 1.186 ng/mL
response 168405

MJB
4/21/20

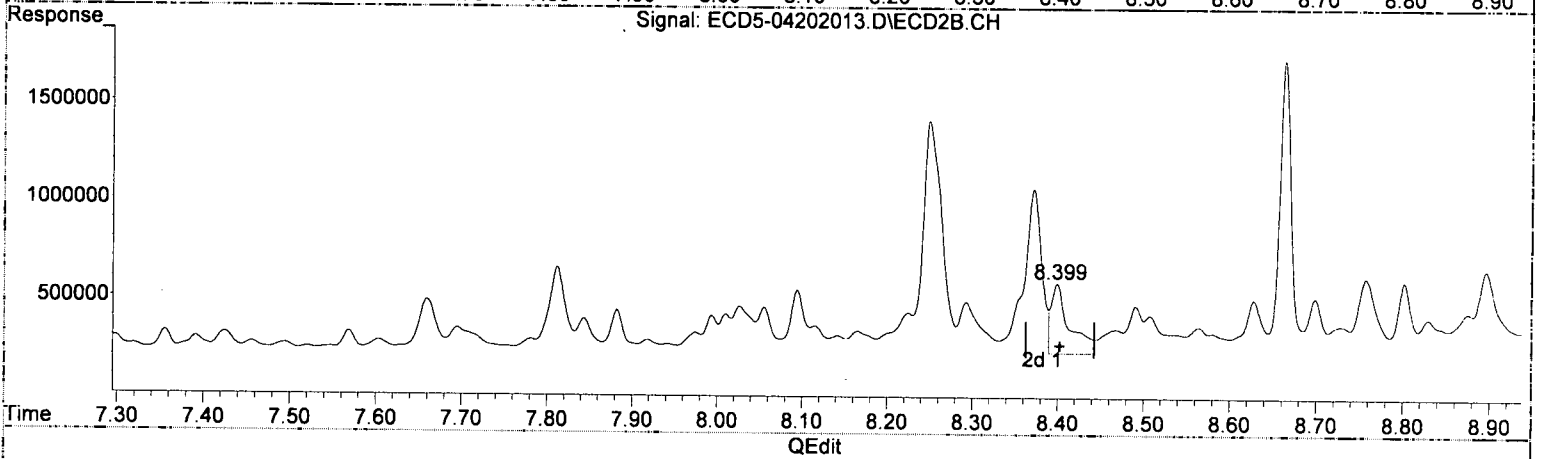
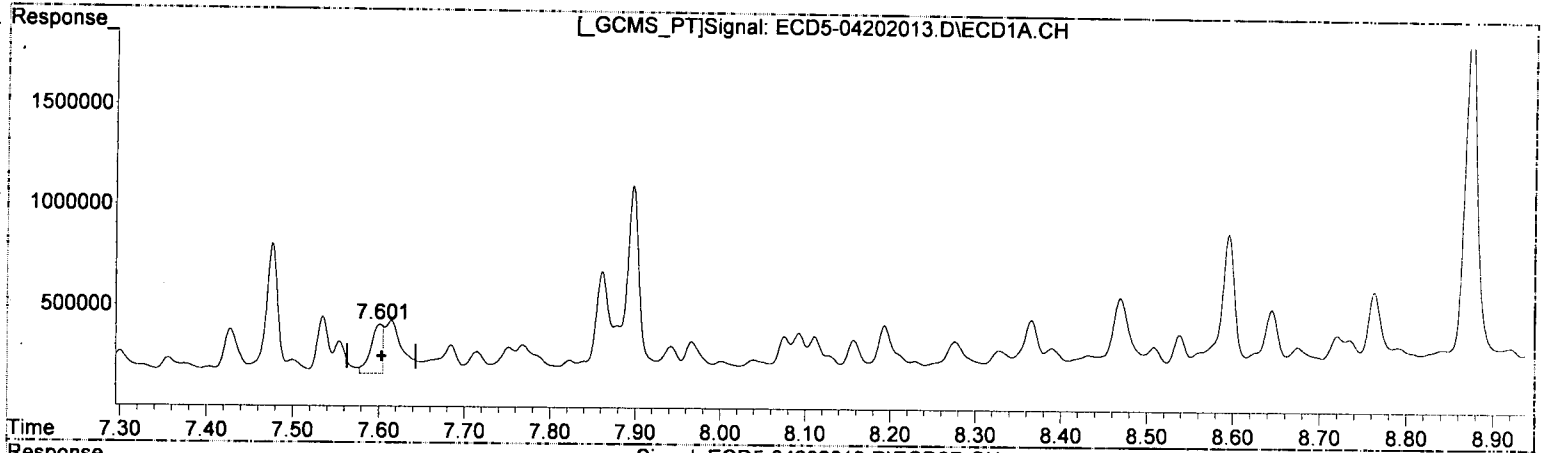
(26) 2,4'-DDE #2
8.027min 1.113 ng/mL *MBL = MBL*
response 240282

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD

7.601min 2.057 ng/mL
response 247686

MJB
4/21/20

(28) 2,4'-DDD #2

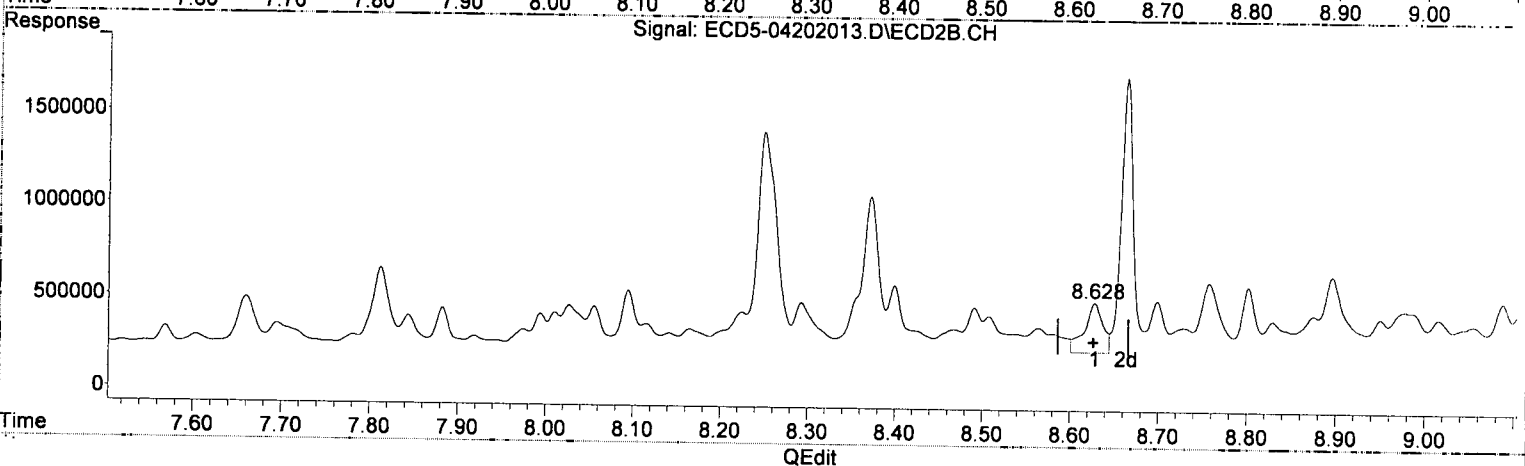
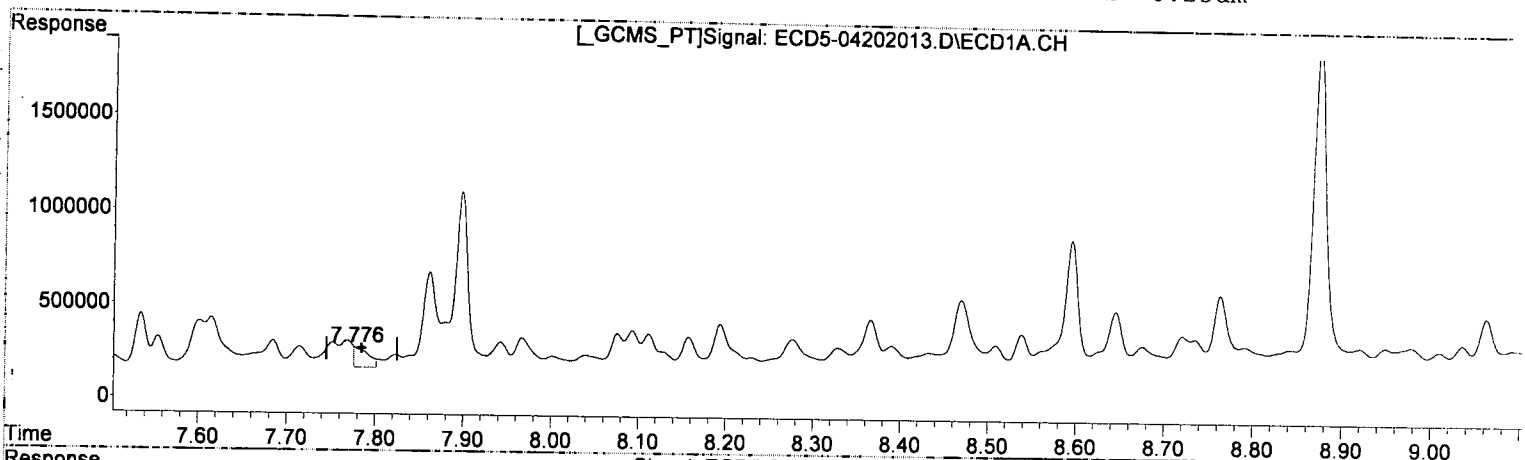
8.399min 1.934 ng/mL
response 356075

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 15:27
 Operator : MJB
 Sample : 0040473-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
 7.776min 0.914 ng/mL (m)
 response 110786

MJB
4/21/20

(29) 2,4'-DDT #2
 8.628min 1.747 ng/mL P-0'
 response 269253

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 15:27
 Operator : MJB
 Sample : 0040473-DUP1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 4/21/20

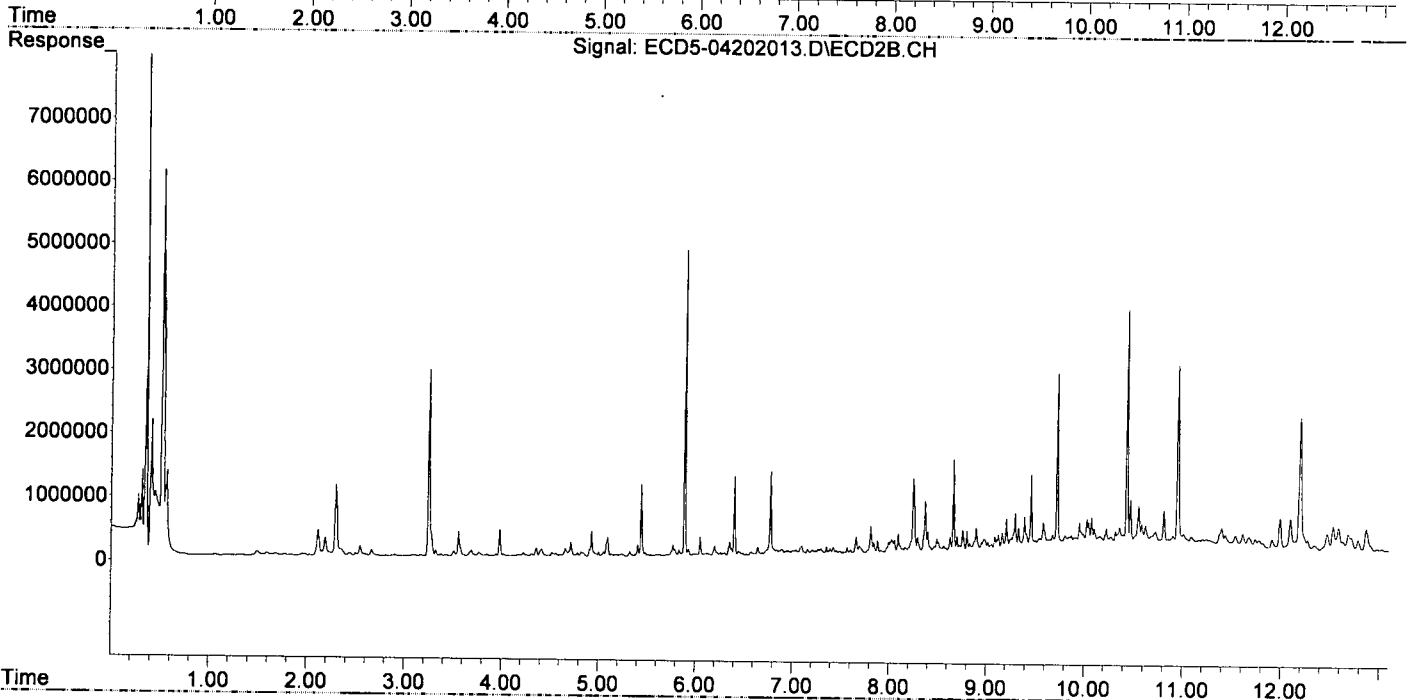
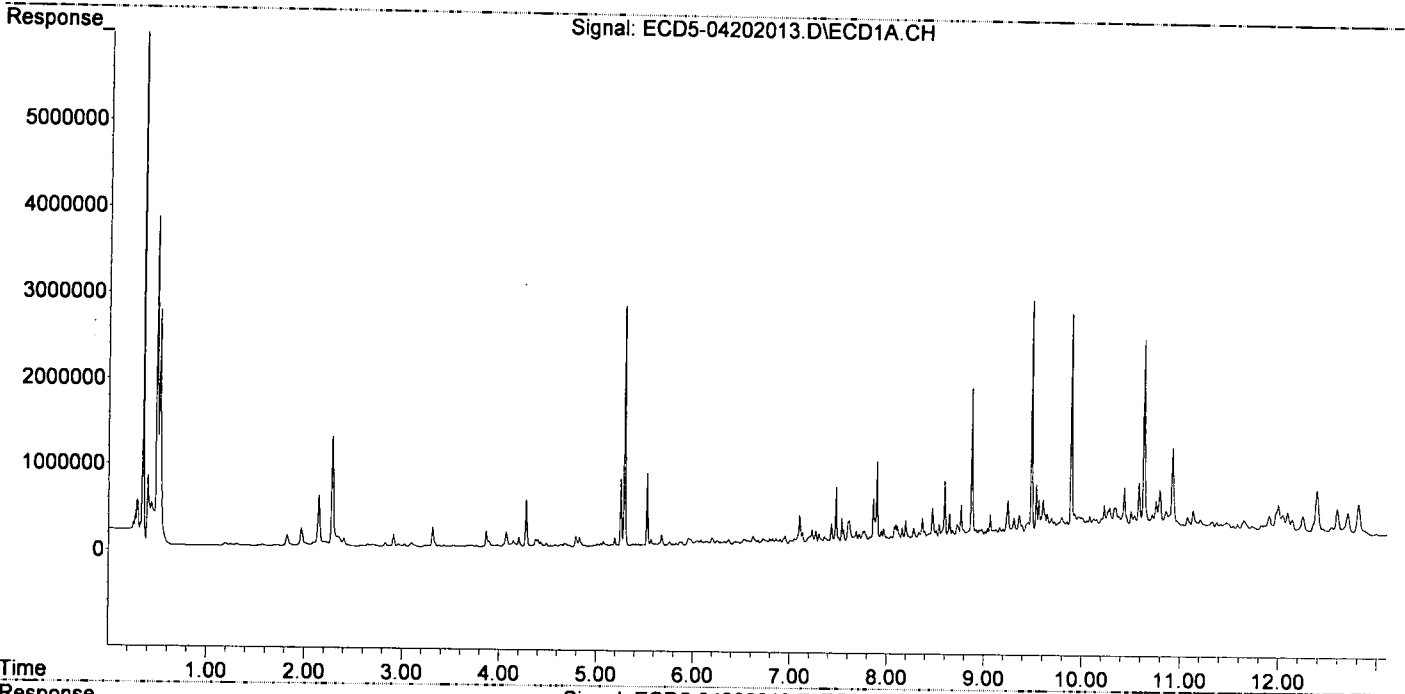
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 2795556 | 4816971 | 14.470 | 16.851 |
| 22) S DCBP (S) | 9.486 | 10.436 | 2797320 | 3829708 | 18.660 | 22.550 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.824 | 6.490 | 29411 | 34302 | 0.112 | 0.085 |
| 3) g-BHC | 6.144f | 6.844f | 38167 | 77778 | 0.167 | 0.220 # |
| 4) b-BHC | 6.195 | 6.893 | 82677 | 97321 | 0.864 | 0.649 |
| 5) Heptachlor | 6.538 | 7.207 | 58474 | 82190 | 0.262 | 0.245 |
| 6) d-BHC | 6.323 | 7.161f | 35724 | 93357 | 0.183 | 0.286 # |
| 7) Aldrin | 6.791f | 7.456 | 64763 | 68240 | 0.292 | 0.209 # |
| 8) Heptachlo... | 7.229 | 7.882 | 168405 | 224160 | 0.822 | 0.753 |
| 9) trans-Chl... | 7.300f | 8.027 | 113121 | 240282 | 0.543 | 0.793 # |
| 10) cis-Chlor... | 7.428 | 8.142 | 221878 | 91605 | 1.083 | 0.316 # |
| 11) Endosulfa... | 7.535 | 8.165f | 282247 | 114563 | 1.460 | 0.422 # |
| 12) 4,4'-DDE | 7.476 | 8.250 | 638746 | 1184630 | 3.241 | 4.137 # |
| 13) Dieldrin | 7.684 | 8.399 | 143113 | 356075 | 0.674 | 1.197 # |
| 14) Endrin | 7.861 | 8.628 | 507174 | 269253 | 2.967 | 1.176 # |
| 15) 4,4'-DDD | 7.898 | 8.663 | 937583 | 1487218 | 5.737 | 6.181 |
| 16) Endosulfa... | 8.002 | 8.757 | 64426 | 376941 | 0.385 | 1.571 # |
| 17) 4,4'-DDT | 8.111 | 8.896 | 189404 | 413235 | 1.533 | 2.603 # |
| 18) Endrin Al... | 8.276f | 9.016 | 165668 | 182111 | 1.132 | 0.876 |
| 19) Endosulfa... | 8.595 | 9.206 | 706211 | 547746 | 4.295 | 2.406 # |
| 20) Methoxychlor | 8.433 | 9.392 | 97015 | 573070 | 1.337 | 6.711 # |
| 21) Endrin Ke... | 8.763f | 9.584 | 416089 | 486560 | 2.179 | 1.952 |
| 23) Hexachlor... | 3.097 | 3.555f | 45421 | 388194 | 11064.466 | 0.861 # |
| 24) Hexachlor... | 5.674 | 6.335 | 126178 | 215793 | 0.422 | 0.538 # |
| 25) Oxychlorane | 7.130f | 7.812 | 139144 | 440976 | 0.567 | 1.547 # |
| 26) 2,4'-DDE | 7.229 | 8.027 | 168405 | 240282 | 1.186 | 1.113 |
| 27) trans-Non... | 7.428 | 8.094 | 221878 | 323342 | 0.924 | 0.951 |
| 28) 2,4'-DDD | 7.614 | 8.399 | 265297 | 356075 | 2.223 | 1.934 |
| 29) 2,4'-DDT | 7.768 | 8.628 | 144219 | 269253 | 1.251 | 1.747 # |
| 30) cis-Nonac... | 7.861 | 8.663 | 507174 | 1487218 | 2.280 | 4.929 # |
| 31) Mirex | 8.539 | 9.584 | 201732 | 486560 | 1.140 | 2.433 # |
| 32) Chlordane... | 7.356 | 8.094 | 79822 | 323342 | 3.420 | 8.206 # |
| 33) Chlordane... | 7.476 | 8.165 | 638746 | 114563 | 24.056 | 3.498 # |
| 34) Chlordane... | 8.002 | 8.829 | 64426 | 168671 | 8.862 | 16.483 # |
| 35) Chlordane... | 3.669 | 3.672f | 15950 | 64090 | NoCal | NoCal |
| 36) Toxaphene... | 7.476 | 8.399f | 638746 | 356075 | 614.657 | 126.609 # |
| 37) Toxaphene... | 7.768 | 8.757f | 144219 | 376941 | 74.588 | 105.464 # |
| 38) Toxaphene... | 8.006 | 8.802 | 189306 | 356701 | 46.438 | 63.885 # |
| 39) Toxaphene... | 8.329f | 8.875 | 119591 | 200111 | 30.445 | 20.215 # |
| 40) Toxaphene... | 8.539 | 9.055 | 201732 | 147967 | 65.765 | 29.943 # |
| 41) Toxaphene... | 8.595 | 9.459 | 706211 | 1243445 | 176.302 | 230.074 # |
| 42) Toxaphene... | 3.669 | 3.672 | 15950 | 64090 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 15:27
Operator : MJB
Sample : 0040473-DUP1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 16:06
 Operator : MJB
 Sample : 0040473-MS16(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:49:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

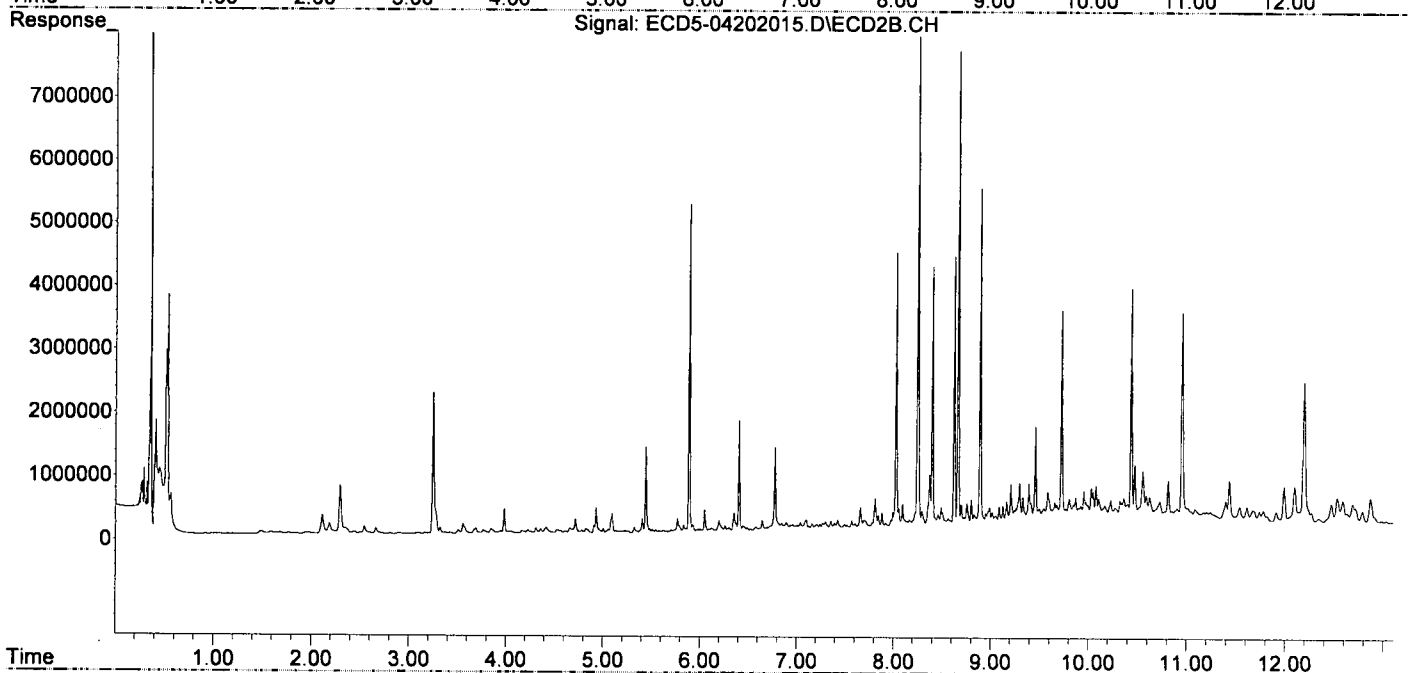
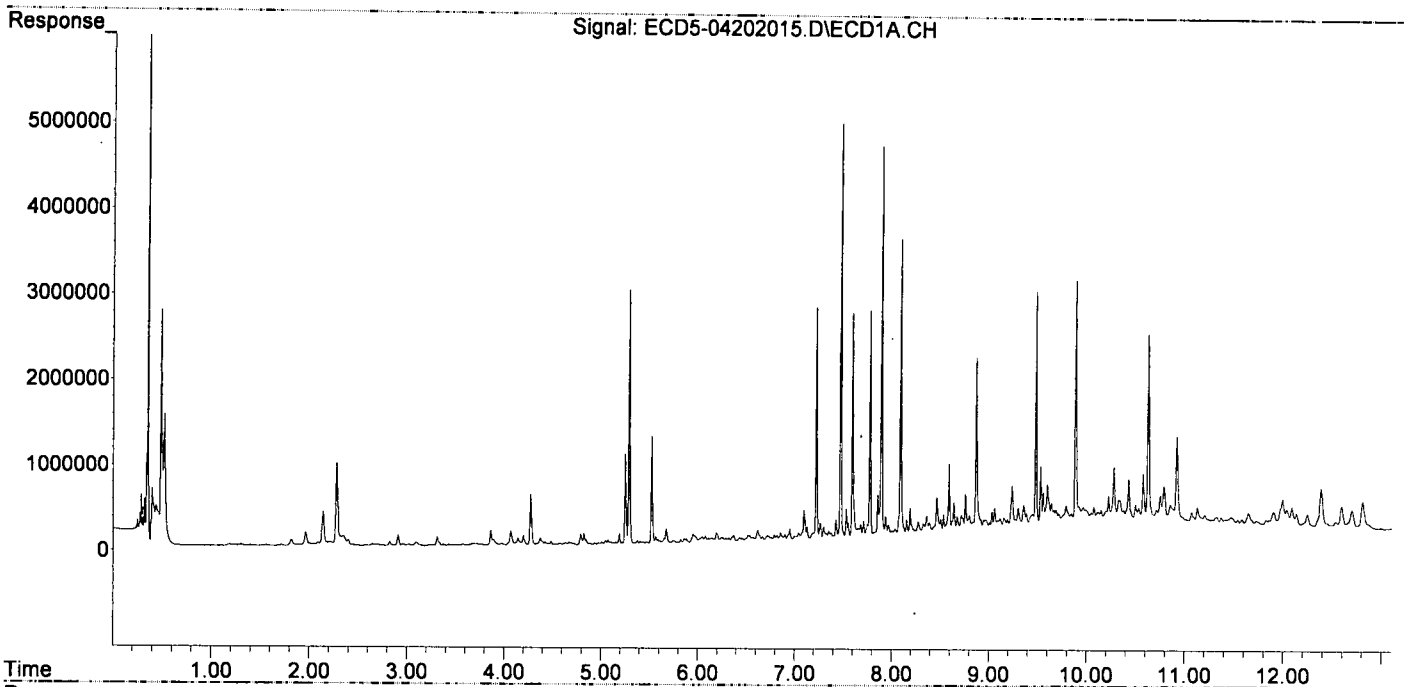
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------------------------|-------------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 2971298 | 5157250 | 15.380 | 18.042 |
| 22) S DCBP (S) | 9.486 | 10.435 | 2851096 | 3745392 | 19.022 | 22.054 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.492 | 40612 | 48042 | 0.154 | 0.119 |
| 3) g-BHC | 6.115 | 6.847f | 48365 | 117401 | 0.211 | 0.332 # |
| 4) b-BHC | 6.196 | 6.895 | 103291 | 123264 | 1.080 | 0.822 |
| 5) Heptachlor | 6.521 | 7.206 | 73992 | 95963 | 0.332 | 0.286 |
| 6) d-BHC | 6.323 | 7.160f | 47236 | 111528 | 0.242 | 0.342 # |
| 7) Aldrin | 6.791f | 7.425f | 75275 | 157558 | 0.339 | 0.483 # |
| 8) Heptachlo... | 7.226 | 7.882 | 2724666 | 259726 | 13.294 | 0.873 # |
| 9) trans-Chl... | 7.328 | 8.026 | 79489 | 4350085 | 0.381 | 14.359 # |
| 10) cis-Chlor... | 7.428 | 8.163 | 226571 | 147566 | 1.106 | 0.509 # |
| 11) Endosulfa... | 7.535 | 8.163f | 359061 | 147566 | 1.857 | 0.543 # |
| 12) 4,4'-DDE | 7.477 | 8.248 | 4850693 | 8272187 | 24.609 ^{PT} | 28.889 |
| 13) Dieldrin | 7.684 | 8.400 | 176323 | 4121754 | 0.830 | 13.854 # |
| 14) Endrin | 7.861 | 8.623 | 510030 | 4276440 | 2.984 | 18.676 # |
| 15) 4,4'-DDD | 7.898 | 8.663 | 4585539 | 7512663 | 28.058 ^{PT} | 31.223 |
| 16) Endosulfa... | 8.003 | 8.756 | 93362 | 383626 | 0.557 | 1.599 # |
| 17) 4,4'-DDT | 8.095 | 8.890 | 3504272 | 5360112 | 27.428 ^{PT} | 30.490 |
| 18) Endrin Al... | 8.276f | 9.015 | 193733 | 246293 | 1.324 | 1.184 |
| 19) Endosulfa... | 8.595 | 9.206 | 859794 | 677801 | 5.229 | 2.977 # |
| 20) Methoxychlor | 8.469f | 9.391 | 476247 | 677726 | 7.194 | 7.929 |
| 21) Endrin Ke... | 8.804 | 9.585 | 252133 | 551662 | 1.320 | 2.213 # |
| 23) Hexachlor... | 3.095 | 3.574 | 42221 | 101538 | 11064.483 | 0.061 # |
| 24) Hexachlor... | 5.675 | 6.356 | 164717 | 291255 | 0.635 | 0.811 # |
| 25) Oxychlorane | 7.130f | 7.812 | 156790 | 480191 | 0.672 | 1.708 # |
| 26) 2,4'-DDE | 7.226 | 8.026 | 2724666 | 4350085 | 22.272 | 23.281 - MDL: MFL |
| 27) trans-Non... | 7.428 | 8.094 | 226571 | 394929 | 0.949 | 1.215 - MDL: MFL |
| 28) 2,4'-DDD | 7.598 | 8.400 | 2646494 | 4121754 | 24.563 ^{MDL: MFL} | 24.804 |
| 29) 2,4'-DDT | 7.780 | 8.623 | 2651940 | 4276440 | 25.850 | 28.841 |
| 30) cis-Nonac... | 7.861 | 8.663 | 510030 | 7512663 | 2.294 | 25.230 # |
| 31) Mirex | 8.538 | 9.585 | 270719 | 551662 | 1.667 | 2.817 # |
| 32) Chlordane... | 7.356 | 8.094 | 104857 | 394929 | 4.492 | 10.023 # |
| 33) Chlordane... | 7.477 | 8.163 | 4850693 | 147566 | 182.684 | 4.506 # |
| 34) Chlordane... | 8.003 | 8.829 | 93362 | 215704 | 12.843 | 21.079 # |
| 35) Chlordane... | 3.666 | 0.000 | 21846 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.477 | 8.460f | 4850693 | 225243 | 4667.758 | 80.090 # |
| 37) Toxaphene... | 7.780f | 8.801f | 2651940 | 447877 | 1551.702 | 125.311 # |
| 38) Toxaphene... | 8.039f | 8.801 | 114523 | 447877 | 28.093 | 80.214 # |
| 39) Toxaphene... | 8.330f | 8.890 | 168532 | 5360112 | 42.904 | 626.969 # |
| 40) Toxaphene... | 8.538 | 9.053 | 270719 | 187731 | 88.255 | 37.989 # |
| 41) Toxaphene... | 8.595 | 9.459 | 859794 | 1577027 | 214.643 | 291.797 # |
| 42) Toxaphene... | 3.666 | 3.689f | 21846 | 85783 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 16:06
Operator : MJB
Sample : 0040473-MS1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:49:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 16:44
 Operator : MJB
 Sample : 0040473-MSD102
 Misc : 2x, 8081B 2, 4+4, 4-DDx Only, GPC
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MB
4/21/20*

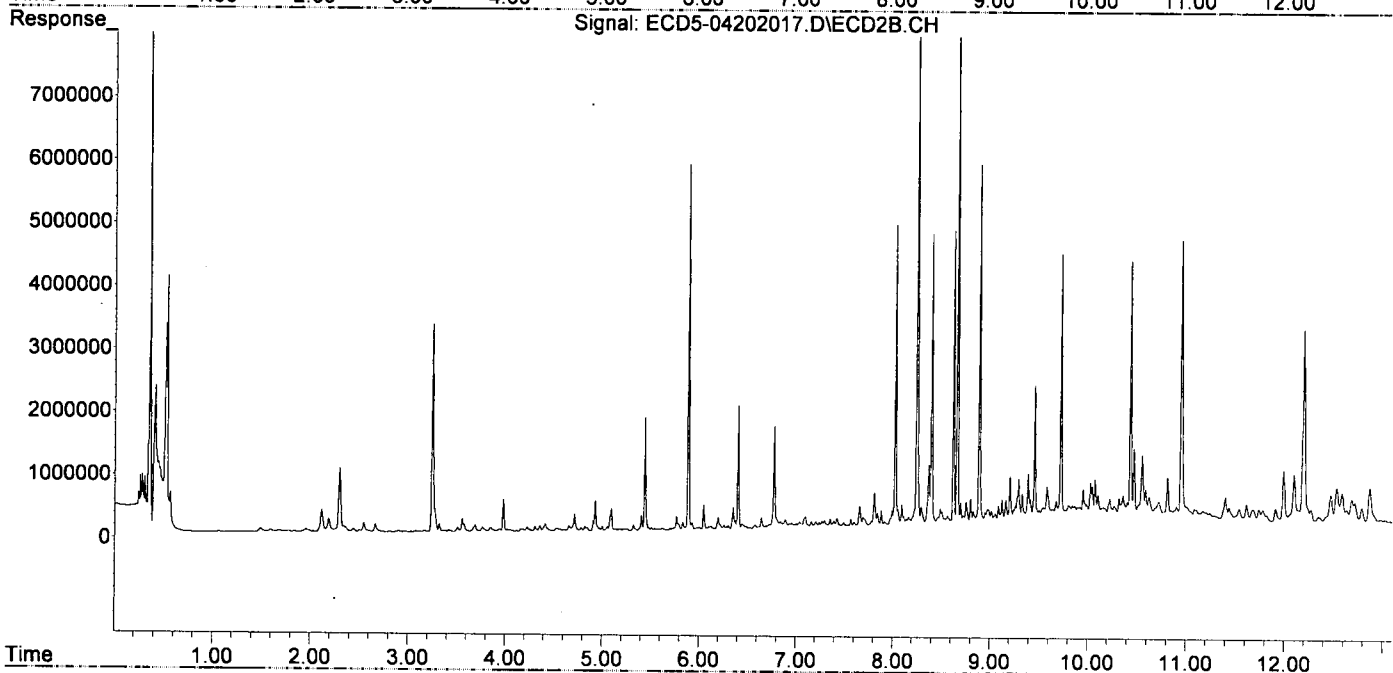
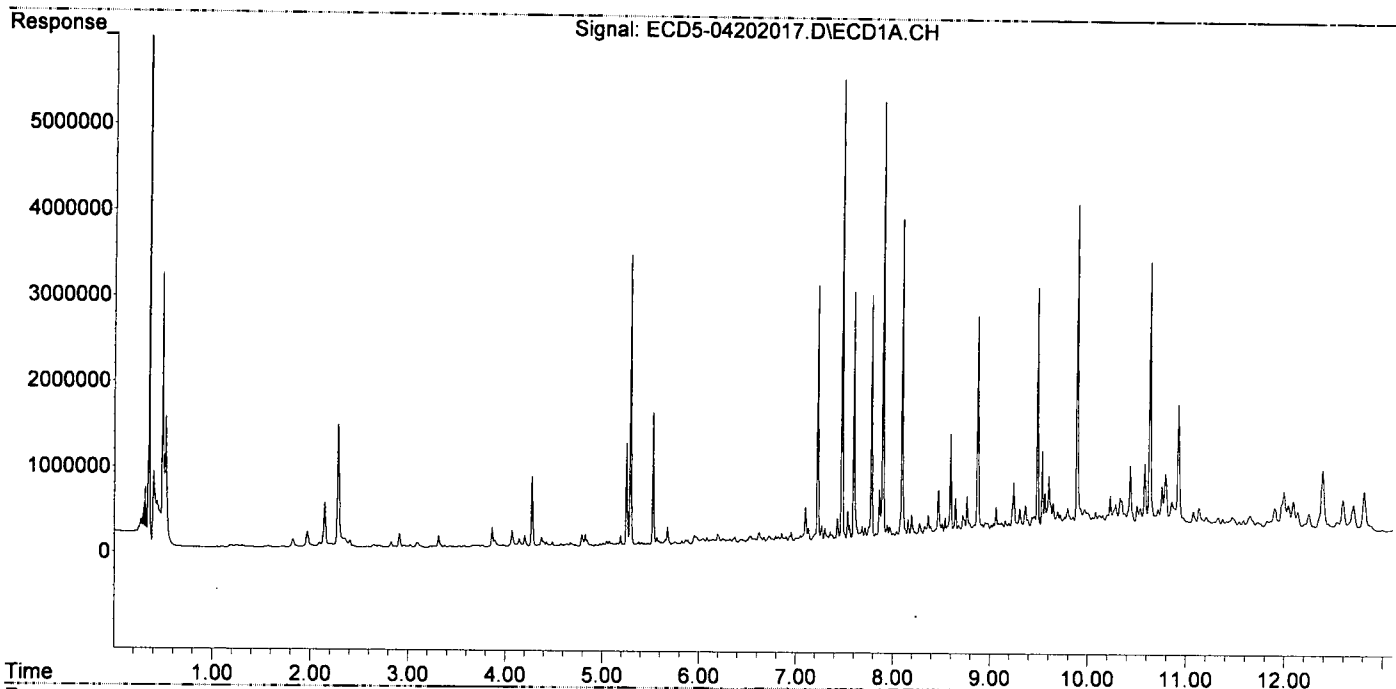
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|---------|---------|-----------------------|----------------------------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.291 | 5.888 | 3388484 | 5780358 | 17.539 | 20.222 |
| 22) | S DCBP (S) | 9.486 | 10.434 | 2934587 | 4155039 | 19.584 | 24.466 |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 5.824 | 6.489 | 44605 | 48714 | 0.169 | 0.120 # |
| 3) | g-BHC | 6.115 | 6.844f | 44936 | 118503 | 0.196 | 0.335 # |
| 4) | b-BHC | 6.193 | 6.891 | 118762 | 144379 | 1.241 | 0.962 |
| 5) | Heptachlor | 6.536 | 7.205 | 83552 | 108303 | 0.375 | 0.323 |
| 6) | d-BHC | 6.322f | 7.123 | 56642 | 74792 | 0.290 | 0.229 |
| 7) | Aldrin | 6.759 | 7.425f | 47840 | 158414 | 0.215 | 0.486 # |
| 8) | Heptachlo... | 7.226 | 7.881 | 3010880 | 278233 | 14.691 | 0.935 # |
| 9) | trans-Chl... | 7.300f | 8.026 | 159467 | 4778494 | 0.765 | 15.773 # |
| 10) | cis-Chlor... | 7.428 | 8.142 | 273824 | 133223 | 1.337 | 0.459 # |
| 11) | Endosulfa... | 7.535 | 8.163f | 359364 | 169251 | 1.859 | 0.623 # |
| 12) | 4,4'-DDE | 7.476 | 8.248 | 5374641 | 8956248 | 27.267 ^{ppf} | 31.278 |
| 13) | Dieldrin | 7.684 | 8.399 | 179822 | 4631194 | 0.846 | 15.566 # |
| 14) | Endrin | 7.861 | 8.623 | 594632 | 4681294 | 3.479 | 20.444 # |
| 15) | 4,4'-DDD | 7.898 | 8.663 | 5127321 | 8207801 | 31.373 ^{ppf} | 34.112 |
| 16) | Endosulfa... | 8.003 | 8.756 | 89215 | 397793 | 0.532 | 1.658 # |
| 17) | 4,4'-DDT | 8.095 | 8.890 | 3763026 | 5708037 | 29.359 ^{ppf} | 32.299 |
| 18) | Endrin Al... | 8.276f | 9.014 | 199476 | 249671 | 1.363 | 1.200 |
| 19) | Endosulfa... | 8.595 | 9.205 | 1242694 | 793767 | 7.557 | 3.486 # |
| 20) | Methoxychlor | 8.469f | 9.391 | 579854 | 820877 | 8.781 | 9.585 |
| 21) | Endrin Ke... | 8.763f | 9.584 | 503970 | 621188 | 2.639 | 2.492 |
| 23) | Hexachlor... | 3.092 | 3.575 | 58064 | 120857 | 0.043 | 0.115 # |
| 24) | Hexachlor... | 5.674 | 6.355 | 206327 | 352287 | 0.866 | 1.032 |
| 25) | Oxychlordan | 7.130f | 7.811 | 168526 | 550766 | 0.742 | 1.998 # |
| 26) | 2,4'-DDE | 7.226 | 8.026 | 3010880 | 4778494 | 24.615 | 25.536 ^{MDL: MDL} |
| 27) | trans-Non... | 7.428 | 8.093 | 273824 | 368154 | 1.201 | 1.116 |
| 28) | 2,4'-DDD | 7.598 | 8.399 | 2912560 | 4631194 | 27.044 ^{MDL} | 27.828 ^{MDL: MDL} |
| 29) | 2,4'-DDT | 7.780 | 8.623 | 2867395 | 4681294 | 27.907 ^{MDL} | 31.424 |
| 30) | cis-Nonac... | 7.861 | 8.663 | 594632 | 8207801 | 2.713 | 27.519 # |
| 31) | Mirex | 8.539 | 9.584 | 259018 | 621188 | 1.578 | 3.227 # |
| 32) | Chlordane... | 7.355 | 8.093 | 123028 | 368154 | 5.271 | 9.343 # |
| 33) | Chlordane... | 7.476 | 8.163f | 5374641 | 169251 | 202.417 | 5.168 # |
| 34) | Chlordane... | 8.003 | 8.829 | 89215 | 249528 | 12.272 | 24.384 # |
| 35) | Chlordane... | 3.666 | 0.000 | 21589 | 0 | NoCal | N.D. |
| 36) | Toxaphene... | 7.476 | 8.399f | 5374641 | 4631194 | 5171.947 | 1646.713 # |
| 37) | Toxaphene... | 7.780f | 8.800f | 2867395 | 443906 | 1693.851 | 124.200 # |
| 38) | Toxaphene... | 8.039f | 8.800 | 107683 | 443906 | 26.415 | 79.503 # |
| 39) | Toxaphene... | 8.329f | 8.890 | 163989 | 5708037 | 41.747 | 666.189 # |
| 40) | Toxaphene... | 8.539 | 9.054 | 259018 | 194752 | 84.440 | 39.410 # |
| 41) | Toxaphene... | 8.595 | 9.458 | 1242694 | 2215762 | 310.232 | 409.982 # |
| 42) | Toxaphene... | 3.666 | 3.689f | 21589 | 114494 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 16:44
Operator : MJB
Sample : 0040473-MSD1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 17:22
 Operator : MJB
 Sample : 0D20044-CCV3
 Misc : A20C184, AB 100 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

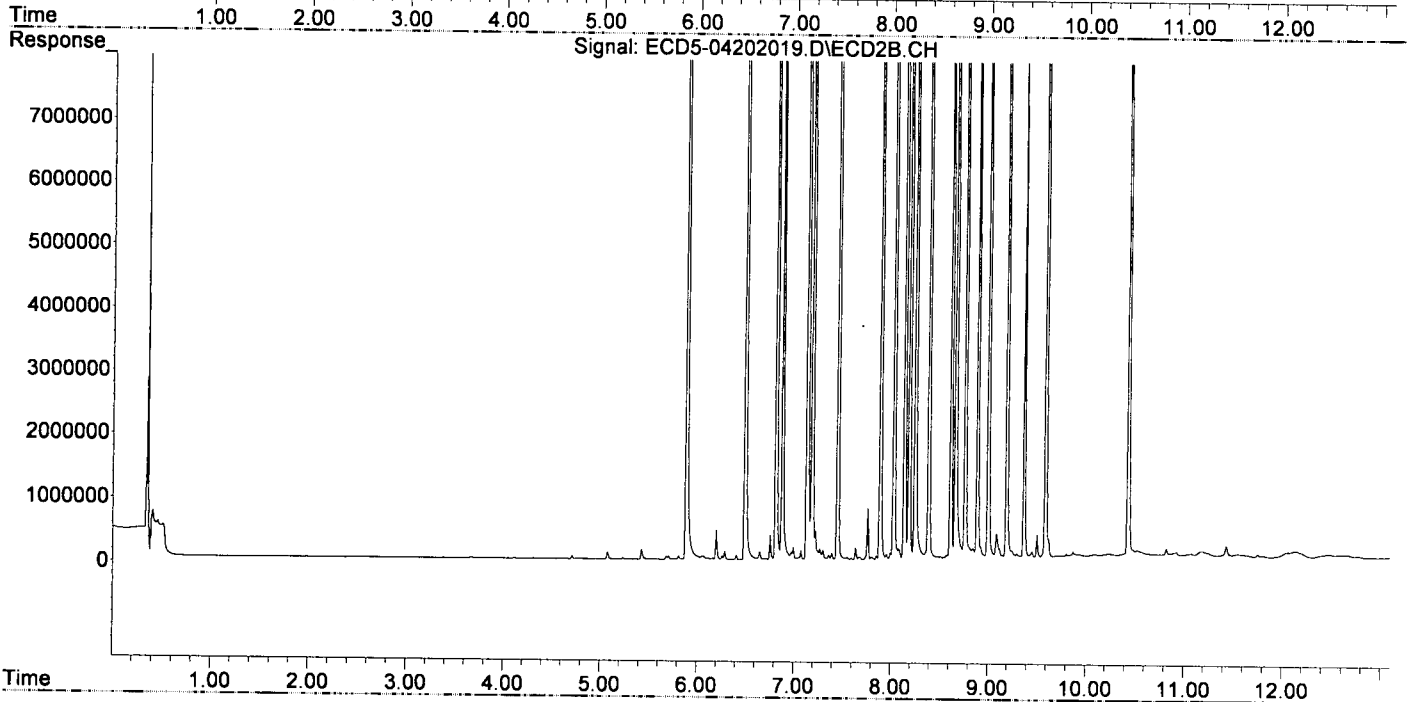
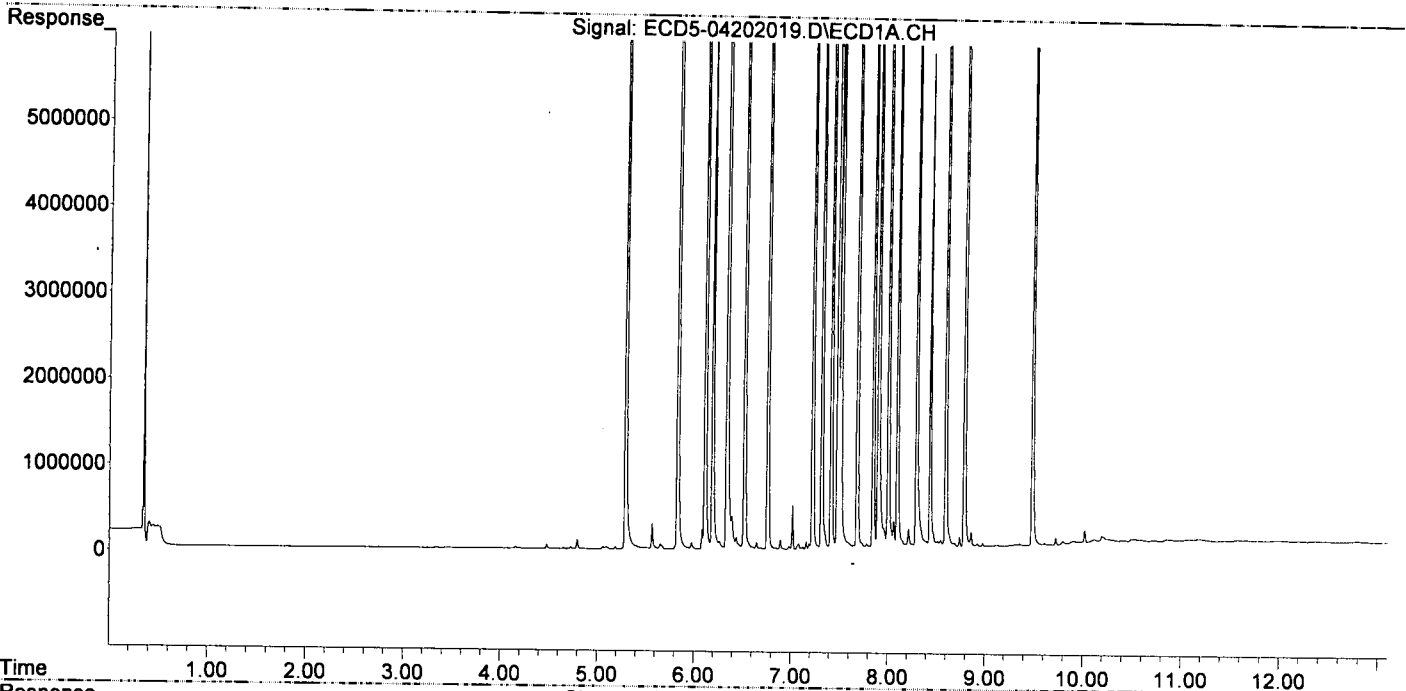
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.890 | 16806012 | 28530340 | 86.990 | 99.809 |
| 22) S DCBP (S) | 9.488 | 10.436 | 13610077 | 18404060 | 91.363 | 108.368 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.831 | 6.498 | 24637198 | 43842483 | 93.612 | 108.199 |
| 3) g-BHC | 6.113 | 6.816 | 21113891 | 37817111 | 92.303 | 106.899 |
| 4) b-BHC | 6.188 | 6.881 | 7985595 | 14378717 | 83.470 | 95.837 |
| 5) Heptachlor | 6.521 | 7.189 | 20319438 | 35198758 | 91.207 | 105.025 |
| 6) d-BHC | 6.338 | 7.136 | 18600509 | 34286971 | 95.326 | 104.997 |
| 7) Aldrin | 6.761 | 7.454 | 20754031 | 35262905 | 93.477 | 108.209 |
| 8) Heptachlo... | 7.223 | 7.893 | 18604402 | 31491186 | 90.776 | 105.800 |
| 9) trans-Chl... | 7.318 | 8.033 | 19420213 | 31817084 | 93.160 | 105.025 |
| 10) cis-Chlor... | 7.415 | 8.141 | 18967531 | 30412118 | 92.621 | 104.807 |
| 11) Endosulfa... | 7.512 | 8.190 | 17546918 | 28310735 | 90.757 | 104.192 |
| 12) 4,4'-DDE | 7.480 | 8.250 | 17867056 | 30728924 | 90.645 | 107.316 |
| 13) Dieldrin | 7.684 | 8.391 | 19984904 | 33187235 | 94.064 | 111.549 |
| 14) Endrin | 7.848 | 8.618 | 15873356 | 24166444 | 92.865 | 105.539 |
| 15) 4,4'-DDD | 7.901 | 8.666 | 14763526 | 24884979 | 90.335 | 103.422 |
| 16) Endosulfa... | 8.005 | 8.765 | 15088511 | 24651917 | 90.056 | 102.759 |
| 17) 4,4'-DDT | 8.098 | 8.891 | 12769996 | 19941807 | 90.412 | 95.554 |
| 18) Endrin Al... | 8.295 | 9.003 | 12569024 | 20641822 | 85.870 | 99.238 |
| 19) Endosulfa... | 8.596 | 9.193 | 15116045 | 23553928 | 91.927 | 103.445 |
| 20) Methoxychlor | 8.435 | 9.371 | 5740232 | 9351778 | 81.680 | 92.510 |
| 21) Endrin Ke... | 8.790 | 9.591 | 18284026 | 28291501 | 95.744 | 113.475 |
| 22) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.652f | 0.000 | 65769 | 0 | 0.087 | N.D. # |
| 25) Oxychlordan | 7.158 | 7.807 | 89082 | 39692 | 0.271 | BelowCal # |
| 26) 2,4'-DDE | 7.223 | 8.033 | 18604402 | 31817084 | 147.160 | 151.700 |
| 27) trans-Non... | 7.415 | 8.087 | 18967531 | 155090 | 99.535 | 0.331 # |
| 28) 2,4'-DDD | 0.000 | 8.391 | 0 | 33187235 | N.D. | 177.496 # |
| 29) 2,4'-DDT | 7.784 | 8.618 | 56343 | 24166444 | 0.366 | 134.831 # |
| 30) cis-Nonac... | 7.901f | 8.666 | 14763526 | 24884979 | 71.652 | 79.620 |
| 31) Mirex | 8.545 | 9.591 | 89671 | 28291501 | 0.284 | 150.905 # |
| 32) Chlordane... | 0.000 | 8.087 | 0 | 155090 | N.D. | 3.936 # |
| 33) Chlordane... | 7.480f | 8.190 | 17867056 | 28310735 | 672.899 | 864.483 # |
| 34) Chlordane... | 8.005 | 8.851 | 15088511 | 141151 | 2075.546 | 13.793 # |
| 35) Chlordane... | 3.696f | 3.672f | 3878 | 15321 | NoCal | NoCal |
| 36) Toxaphene... | 7.480f | 0.000 | 17867056 | 0 | 17193.234 | N.D. # |
| 37) Toxaphene... | 7.784f | 8.765 | 56343 | 24651917 | 27.571 | 6897.327 # |
| 38) Toxaphene... | 8.060 | 8.851f | 318433 | 141151 | 78.113 | 25.280 # |
| 39) Toxaphene... | 8.295 | 8.891 | 12569024 | 19941807 | 3199.745 | 2129.946 # |
| 40) Toxaphene... | 8.545 | 9.089f | 89671 | 367630 | 29.233 | 74.394 # |
| 41) Toxaphene... | 8.596 | 9.455 | 15116045 | 83317 | 3773.636 | 15.416 # |
| 42) Toxaphene... | 3.696f | 3.672 | 3878 | 15321 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 17:22
Operator : MJB
Sample : 0D20044-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 17:39
 Operator : MJB
 Sample : OD20044-CCV4
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

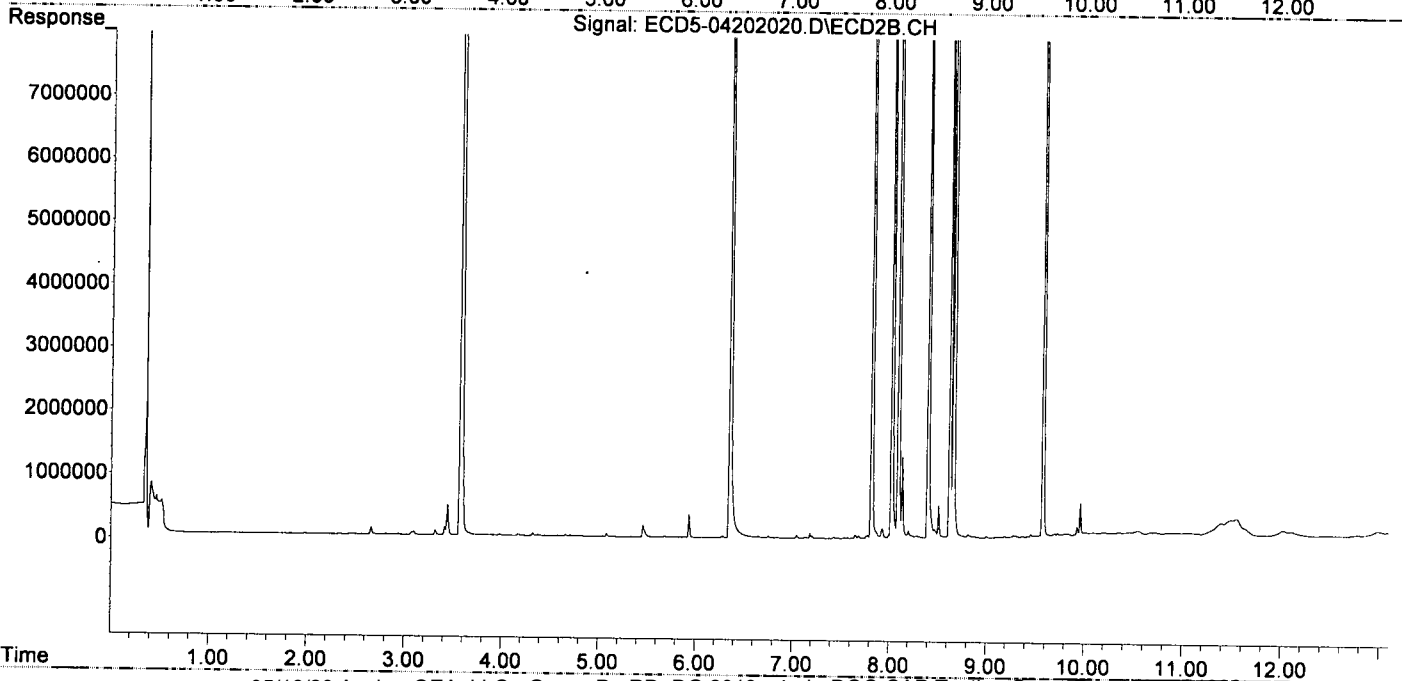
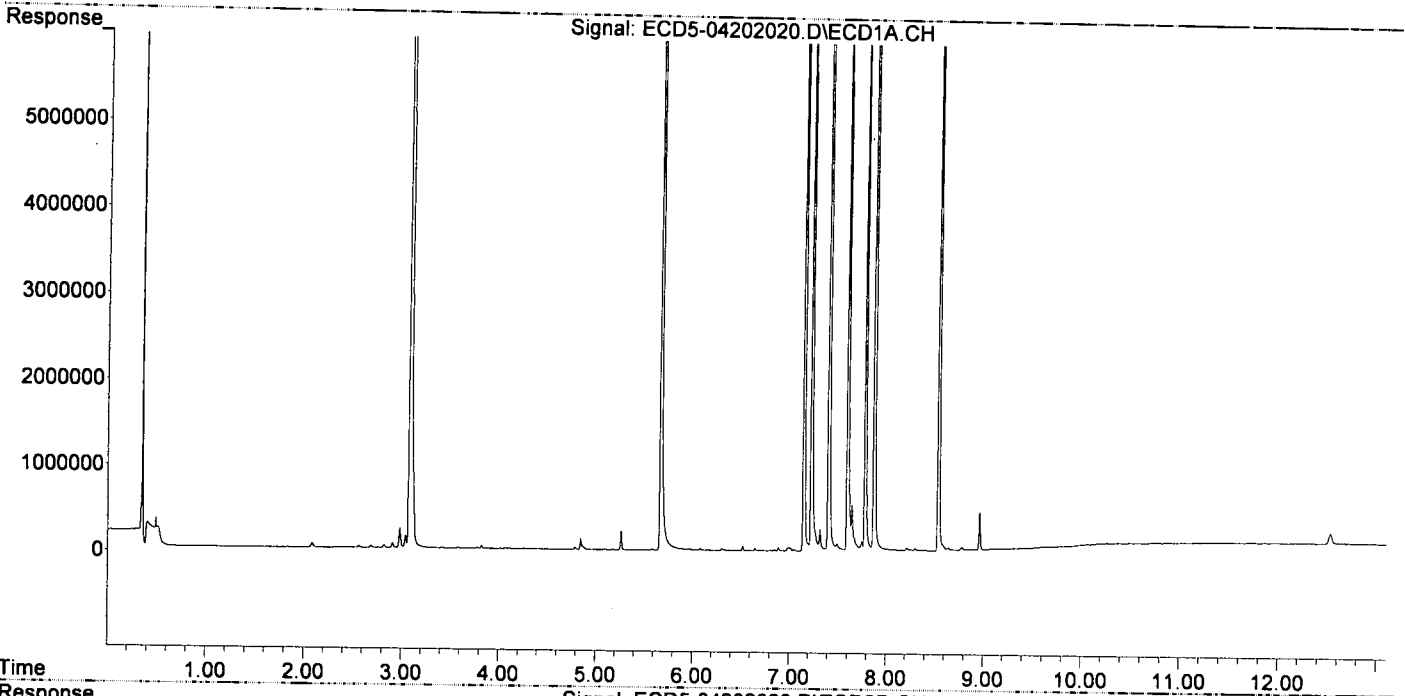
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.263f | 5.898 | 226304 | 9631 | 1.171 | 0.034 # |
| 22) S DCBP (S) | 0.000 | 10.470f | 0 | 22456 | N.D. | 0.132 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.083f | 0.000 | 25630 | 0 | 0.112 | N.D. # |
| 4) b-BHC | 6.165f | 0.000 | 5737 | 0 | 0.060 | N.D. # |
| 5) Heptachlor | 6.520 | 7.186 | 51779 | 79899 | 0.232 | 0.238 |
| 6) d-BHC | 6.340 | 7.137 | 8006 | 16447 | 0.041 | 0.050 |
| 7) Aldrin | 0.000 | 7.473 | 0 | 8915 | N.D. | 0.027 # |
| 8) Heptachlo... | 7.228 | 7.932f | 11477974 | 150593 | 56.004 | 0.506 # |
| 9) trans-Chl... | 7.317 | 8.026 | 255017 | 20469296 | 1.223 | 67.567 # |
| 10) cis-Chlor... | 7.406 | 8.138 | 18679158 | 1259323 | 91.213 | 4.340 # |
| 11) Endosulfa... | 7.494f | 8.201 | 82693 | 112469 | 0.428 | 0.414 |
| 12) 4,4'-DDE | 7.494 | 8.292f | 82693 | 33535 | 0.420 | 0.117 # |
| 13) Dieldrin | 0.000 | 8.400 | 0 | 17623061 | N.D. | 59.235 # |
| 14) Endrin | 7.876f | 8.624 | 20148042 | 16455013 | 117.873 | 71.862 # |
| 15) 4,4'-DDD | 7.876f | 8.661 | 20148042 | 33625680 | 123.282 | 139.749 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.098 | 8.871f | 12343 | 9288 | 0.084 | 0.112 # |
| 18) Endrin Al... | 8.301 | 9.003 | 26685 | 22910 | 0.182 | 0.110 # |
| 19) Endosulfa... | 0.000 | 9.192 | 0 | 17380 | N.D. | 0.076 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.781 | 9.581 | 30942 | 19462813 | 0.162 | 78.064 # |
| 23) Hexachlor... | 3.086 | 3.575 | 18934082 | 40821431 | 101.659 | 108.719 |
| 24) Hexachlor... | 5.672 | 6.356 | 16707965 | 29599433 | 91.097 | 99.065 |
| 25) Oxychlorane | 7.150 | 7.821 | 16459651 | 27339328 | 96.957 | 102.204 |
| 26) 2,4'-DDE | 7.228 | 8.026 | 11477974 | 20469296 | 92.340 | 102.103 |
| 27) trans-Non... | 7.406 | 8.095 | 18679158 | 31303872 | 98.038 | 104.228 |
| 28) 2,4'-DDD | 7.601 | 8.400 | 9991066 | 17623061 | 91.970 | 100.213 |
| 29) 2,4'-DDT | 7.783 | 8.624 | 10263935 | 16455013 | 94.056 | 97.804 |
| 30) cis-Nonac... | 7.876 | 8.661 | 20148042 | 33625680 | 97.269 | 105.062 |
| 31) Mirex | 8.539 | 9.581 | 12630225 | 19462813 | 97.744 | 106.745 |
| 32) Chlordane... | 0.000 | 8.095 | 0 | 31303872 | N.D. | 794.431 # |
| 33) Chlordane... | 7.494f | 8.201 | 82693 | 112469 | 3.114 | 3.434 |
| 34) Chlordane... | 0.000 | 8.871f | 0 | 9288 | N.D. | 0.908 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.494f | 8.400f | 82693 | 17623061 | 79.574 | 6266.229 # |
| 37) Toxaphene... | 7.748 | 8.815f | 109271 | 40226 | 55.857 | 11.255 # |
| 38) Toxaphene... | 8.066 | 8.815 | 14679 | 40226 | 3.601 | 7.204 # |
| 39) Toxaphene... | 8.301 | 8.871 | 26685 | 9288 | 6.793 | BelowCal # |
| 40) Toxaphene... | 8.539 | 0.000 | 12630225 | 0 | 4117.455 | N.D. # |
| 41) Toxaphene... | 0.000 | 9.459 | 0 | 38459 | N.D. | 7.116 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 17:39
Operator : MJB
Sample : OD20044-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 17:57
 Operator : MJB
 Sample : OD20044-CCB2
 Misc : A20C404
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

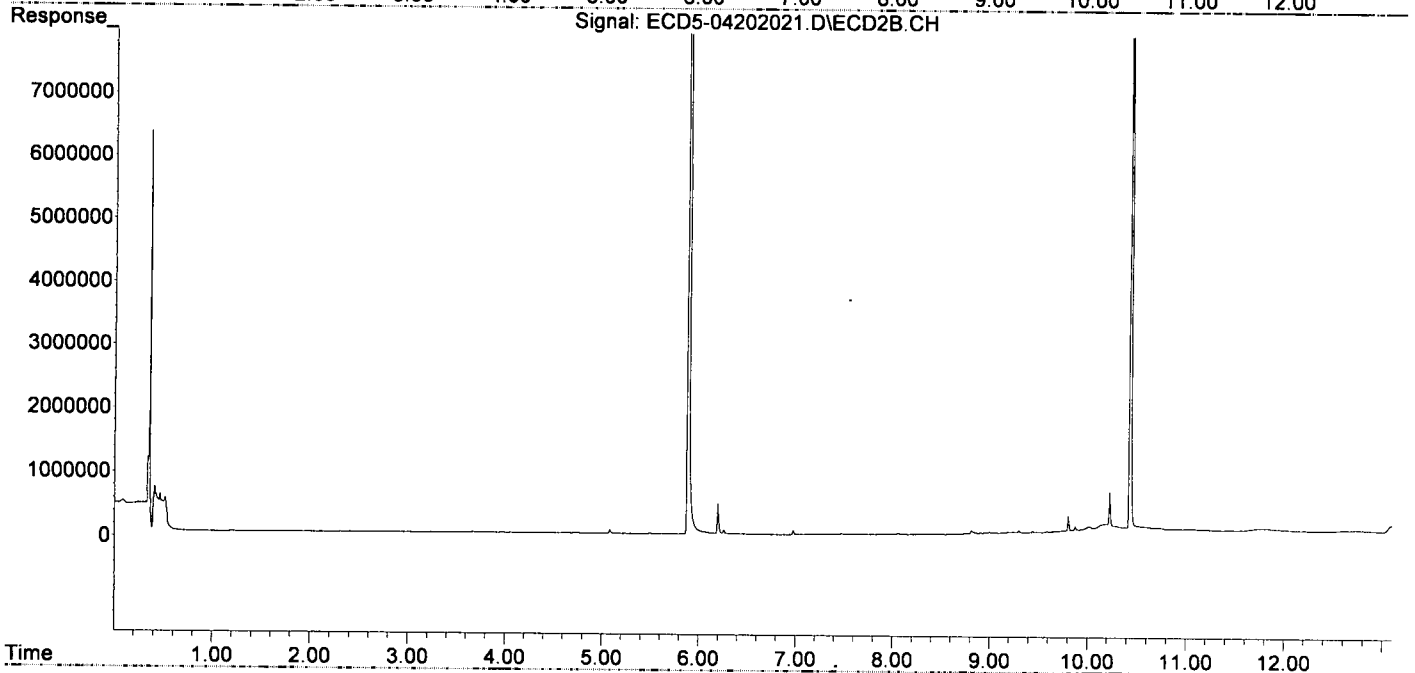
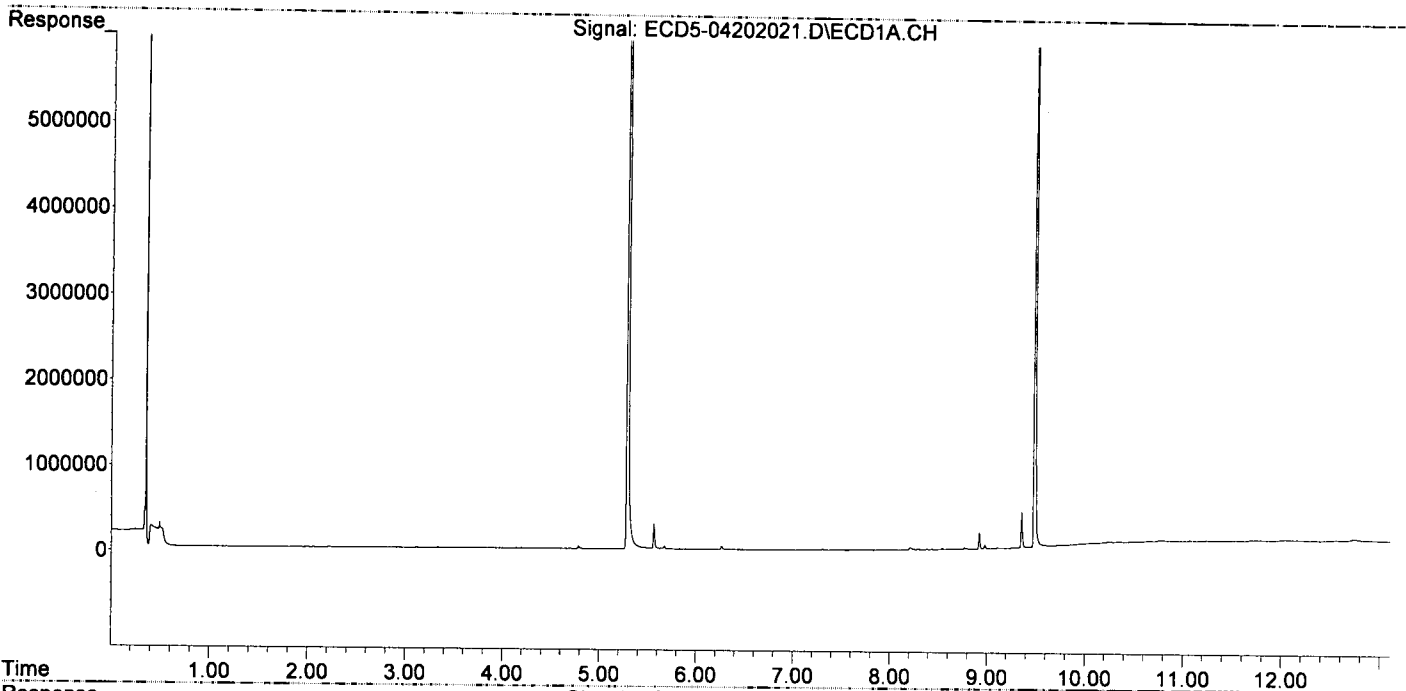
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.888 | 17022540 | 28502046 | 88.111 | 99.710 |
| 22) S DCBP (S) | 9.488 | 10.435 | 12742138 | 16857656 | 85.534 | 99.263 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.135 | 0 | 7410 | N.D. | 0.023 # |
| 7) Aldrin | 0.000 | 7.474 | 0 | 18928 | N.D. | 0.058 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.308 | 8.060f | 14175 | 8882 | 0.068 | 0.029 # |
| 10) cis-Chlor... | 7.419 | 0.000 | 6036 | 0 | 0.029 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.466 | 0.000 | 5603 | 0 | 0.028 | N.D. # |
| 13) Dieldrin | 7.666f | 0.000 | 2487 | 0 | 0.012 | N.D. # |
| 14) Endrin | 0.000 | 8.627 | 0 | 4066 | N.D. | 0.018 # |
| 15) 4,4'-DDD | 7.916 | 8.663 | 5281 | 1887 | 0.032 | 0.008 # |
| 16) Endosulfa... | 8.022 | 8.774 | 4913 | 8217 | 0.029 | 0.034 |
| 17) 4,4'-DDT | 8.102 | 8.911 | 528 | 7641 | BelowCal | 0.102 |
| 18) Endrin Al... | 8.297 | 9.002 | 10456 | 14103 | 0.071 | 0.068 |
| 19) Endosulfa... | 8.598 | 9.192 | 9313 | 13519 | 0.057 | 0.059 |
| 20) Methoxychlor | 8.435 | 0.000 | 7219 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.771f | 9.589 | 16220 | 10635 | 0.085 | 0.043 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.672 | 0.000 | 35244 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 0.000 | 8.060f | 0 | 8882 | N.D. | BelowCal |
| 27) trans-Non... | 7.419 | 8.097 | 6036 | 4376 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.804 | 8.627 | 1614 | 4066 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.916f | 8.663 | 5281 | 1887 | BelowCal | BelowCal |
| 31) Mirex | 8.544 | 9.589 | 18847 | 10635 | 5765.213 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.060 | 0 | 8882 | N.D. | 0.225 # |
| 33) Chlordane... | 7.466 | 0.000 | 5603 | 0 | 0.211 | N.D. # |
| 34) Chlordane... | 8.022 | 8.815f | 4913 | 45104 | 0.676 | 4.408 # |
| 35) Chlordane... | 0.000 | 3.670f | 0 | 11094 | N.D. | NoCal |
| 36) Toxaphene... | 7.466 | 0.000 | 5603 | 0 | 5.392 | N.D. # |
| 37) Toxaphene... | 7.762 | 8.774 | 4440 | 8217 | 16729.292 | 2.299 # |
| 38) Toxaphene... | 8.102f | 8.815 | 528 | 45104 | 0.130 | 8.078 # |
| 39) Toxaphene... | 8.297 | 8.911f | 10456 | 7641 | 2.662 | BelowCal # |
| 40) Toxaphene... | 8.544 | 9.038 | 18847 | 2161 | 6.144 | 0.437 # |
| 41) Toxaphene... | 8.598 | 9.442 | 9313 | 24565 | 2.325 | 4.545 # |
| 42) Toxaphene... | 0.000 | 3.670 | 0 | 11094 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 17:57
Operator : MJB
Sample : 0D20044-CCB2
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5.
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 18:14
 Operator : MJB
 Sample : A0D0212-04RE1(25)
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 16:08:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

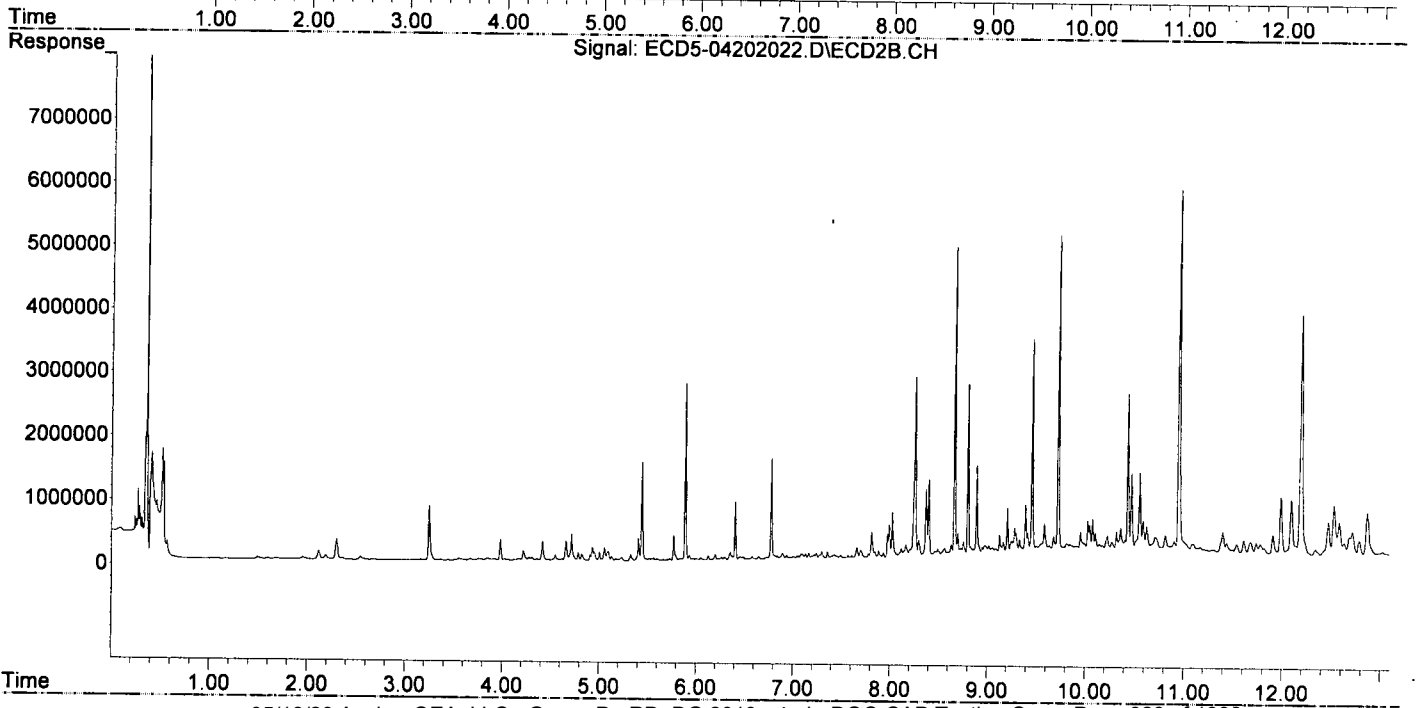
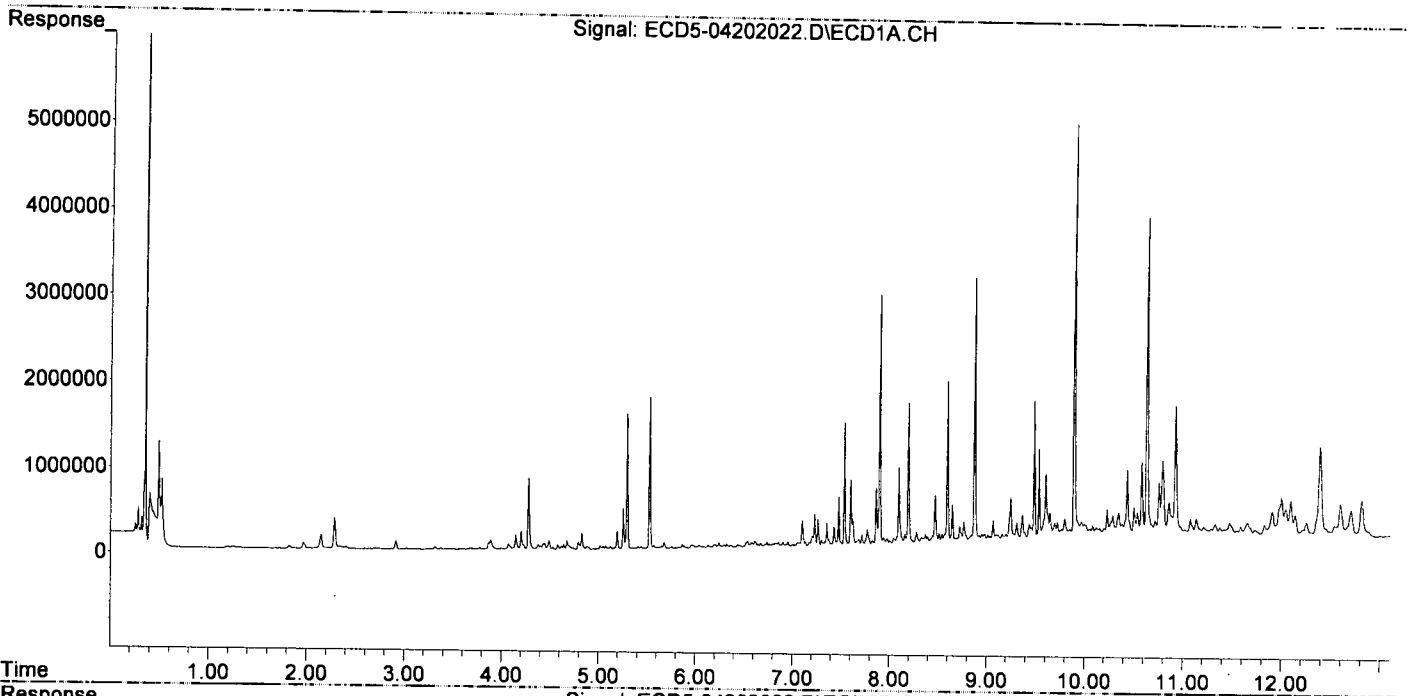
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|---------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 1572530 | 2758315 | 8.140 | 9.650 |
| 22) S DCBP (S) | 9.487 | 10.435 | 1637463 | 2548686 | 10.851 | 15.007 # 5-04 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.490 | 13089 | 49007 | 0.050 | 0.121 # |
| 3) g-BHC | 6.129 | 6.840f | 33160 | 54759 | 0.145 | 0.155 |
| 4) b-BHC | 6.200 | 6.891 | 37188 | 105911 | 0.389 | 0.706 # |
| 5) Heptachlor | 6.536 | 7.198 | 73896 | 50837 | 0.332 | 0.152 # |
| 6) d-BHC | 6.323 | 7.129 | 39747 | 88344 | 0.204 | 0.271 # |
| 7) Aldrin | 6.763 | 7.454 | 33296 | 51654 | 0.150 | 0.159 |
| 8) Heptachlo... | 7.229 | 7.883 | 367224 | 124880 | 1.792 | 0.420 # |
| 9) trans-Chl... | 7.299f | 8.024 | 71734 | 718700 | 0.344 | 2.372 # |
| 10) cis-Chlor... | 7.429 | 8.164 | 222683 | 215693 | 1.087 | 0.743 # |
| 11) Endosulfa... | 7.536 | 8.204 | 1429943 | 140448 | 7.396 | 0.517 # |
| 12) 4,4'-DDE | 7.477 | 8.259 | 572072 | 2848182 | 2.902 | 9.947 # 7-11 |
| 13) Dieldrin | 7.685 | 8.400 | 75668 | 1232491 | 0.356 | 4.143 # |
| 14) Endrin | 7.863 | 8.630 | 667443 | 213762 | 3.905 | 0.934 # |
| 15) 4,4'-DDD | 7.899 | 8.664 | 2917577 | 4885476 | 17.852 | 20.304 |
| 16) Endosulfa... | 8.004 | 8.755 | 49239 | 253869 | 0.294 | 1.058 # |
| 17) 4,4'-DDT | 8.096 | 8.891 | 900123 | 1434587 | 7.280 | 8.739 |
| 18) Endrin Al... | 8.279f | 9.015 | 143409 | 191215 | 0.980 | 0.919 |
| 19) Endosulfa... | 8.597 | 9.206 | 1897422 | 770277 | 11.539 | 3.383 # |
| 20) Methoxychlor | 8.470f | 9.392 | 569839 | 816132 | 8.628 | 9.531 |
| 21) Endrin Ke... | 8.765f | 9.585 | 250895 | 518940 | 1.314 | 2.081 # |
| 23) Hexachlor... | 3.087 | 3.575 | 9195 | 24396 | 11064.659 | BelowCal # |
| 24) Hexachlor... | 5.675 | 6.355 | 74090 | 125387 | 0.133 | 0.210 # |
| 25) Oxychlordane | 7.173 | 7.812 | 43513 | 413247 | 0.001 | 1.433 # |
| 26) 2,4'-DDE | 7.229 | 8.024 | 367224 | 718700 | 2.836 | 3.746 # |
| 27) trans-Non... | 7.429f | 8.116 | 222683 | 158957 | 0.929 | 0.346 # |
| 28) 2,4'-DDD | 7.600 | 8.400 | 767376 | 1232491 | 6.954m | 7.341 |
| 29) 2,4'-DDT | 7.777 | 8.630 | 134606 | 213762 | 1.154m | 1.350 MDL MRL |
| 30) cis-Nonac... | 7.863 | 8.664 | 667443 | 4885476 | 3.073 | 16.482 # |
| 31) Mirex | 8.539 | 9.585 | 117103 | 518940 | 0.493 | 2.624 # |
| 32) Chlordane... | 7.355 | 8.074 | 265936 | 66377 | 11.393 | 1.685 # |
| 33) Chlordane... | 7.477f | 8.164 | 572072 | 215693 | 21.545 | 6.586 # |
| 34) Chlordane... | 8.004 | 8.857 | 49239 | 140693 | 6.773 | 13.749 # |
| 35) Chlordane... | 3.687 | 3.670f | 14302 | 36879 | NoCal | NoCal |
| 36) Toxaphene... | 7.477 | 8.400f | 572072 | 1232491 | 550.497 | 438.237 |
| 37) Toxaphene... | 7.771 | 8.802f | 185032 | 2718576 | 96.515 | 760.627 # |
| 38) Toxaphene... | 8.043f | 8.802 | 79490 | 2718576 | 19.499 | 486.893 # |
| 39) Toxaphene... | 8.279f | 8.891 | 143409 | 1434587 | 36.508 | 169.942 # |
| 40) Toxaphene... | 8.539 | 9.056 | 117103 | 159681 | 38.176 | 32.313 |
| 41) Toxaphene... | 8.597 | 9.459f | 1897422 | 3422263 | 473.681 | 633.220 # |
| 42) Toxaphene... | 3.687f | 3.670 | 14302 | 36879 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : A0D0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 16:08:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

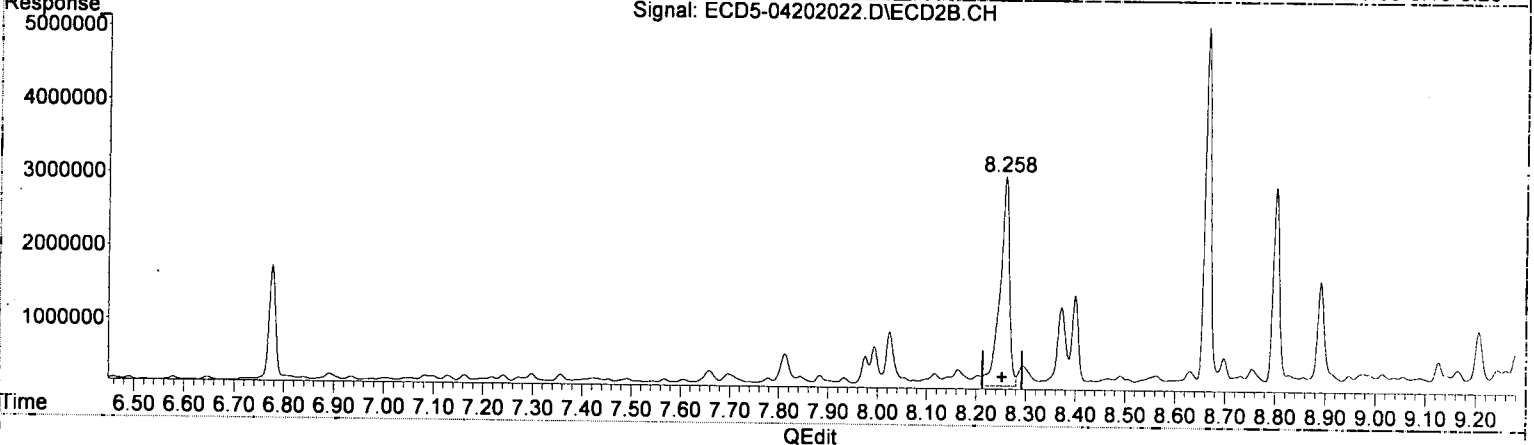
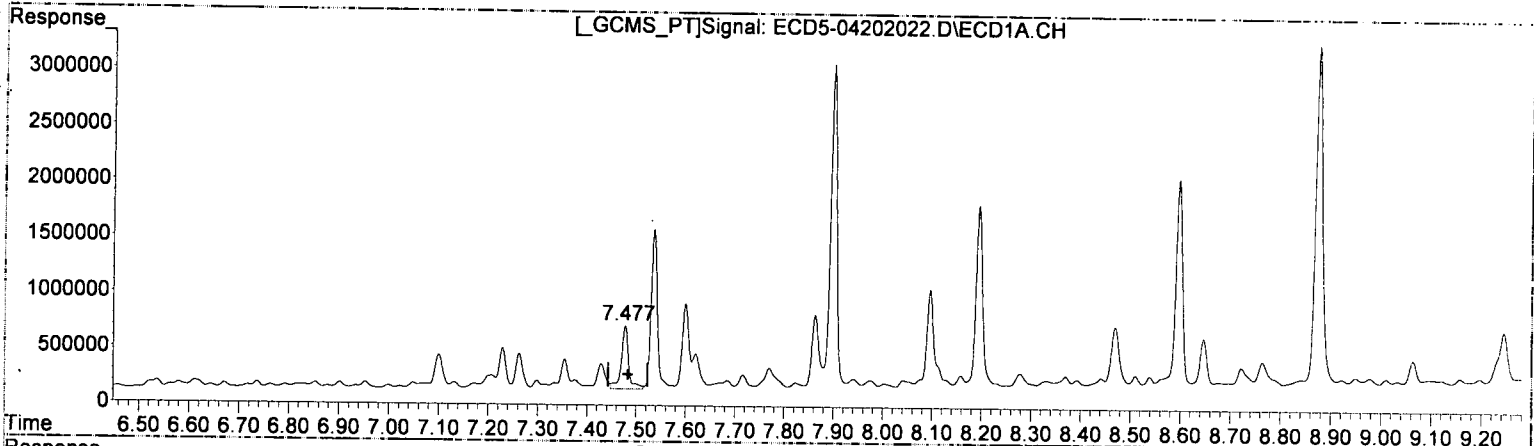


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : A0D0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(12) 4,4'-DDE
7.477min 2.902 ng/mL
response 572072

MJB
4/21/20

P-11

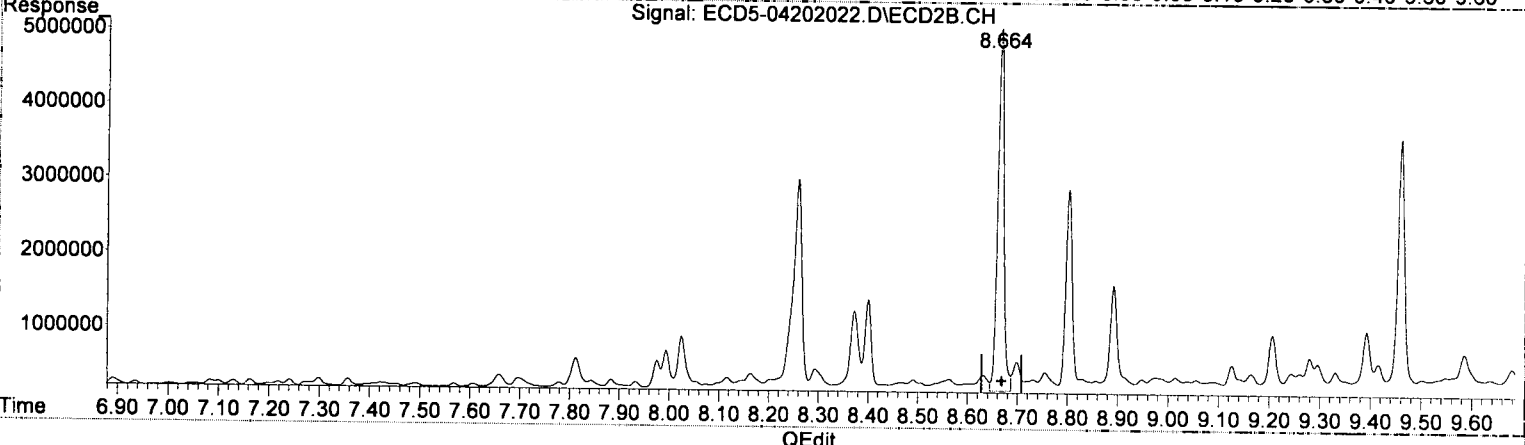
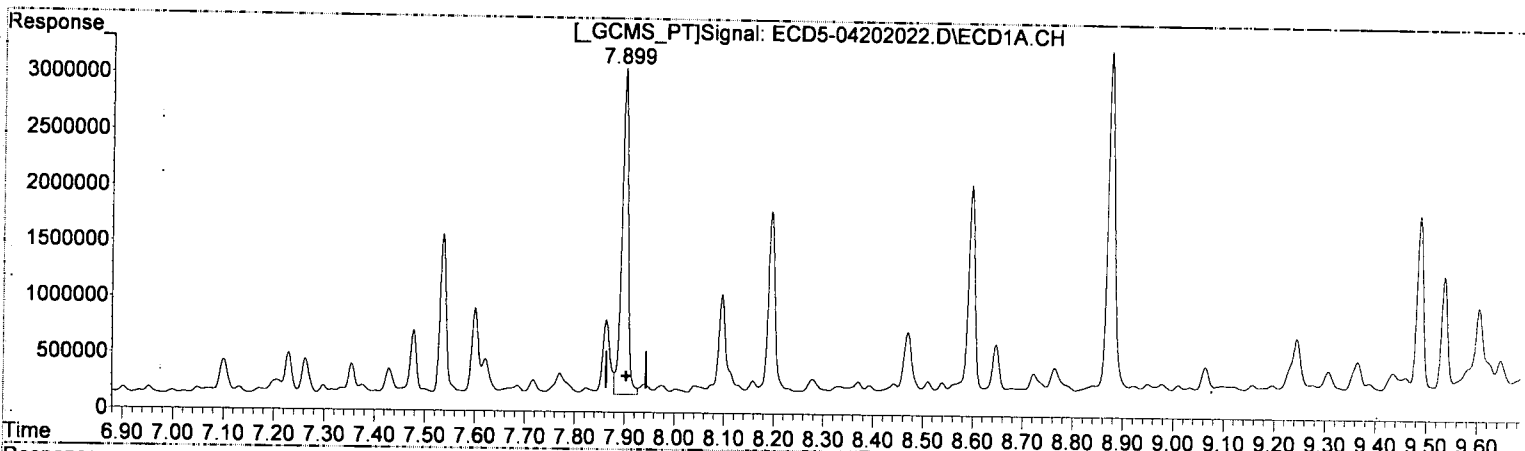
(12) 4,4'-DDE #2
8.259min 9.947 ng/mL
response 2848182

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : AOD0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.899min 17.852 ng/mL
response 2917577

MJB
4/21/20

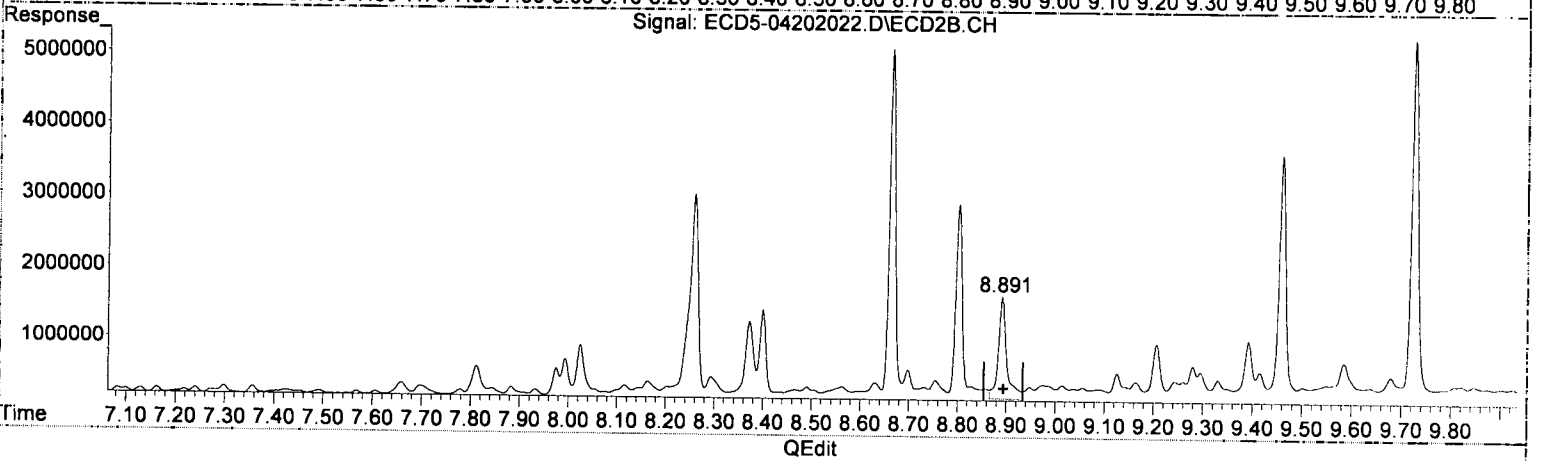
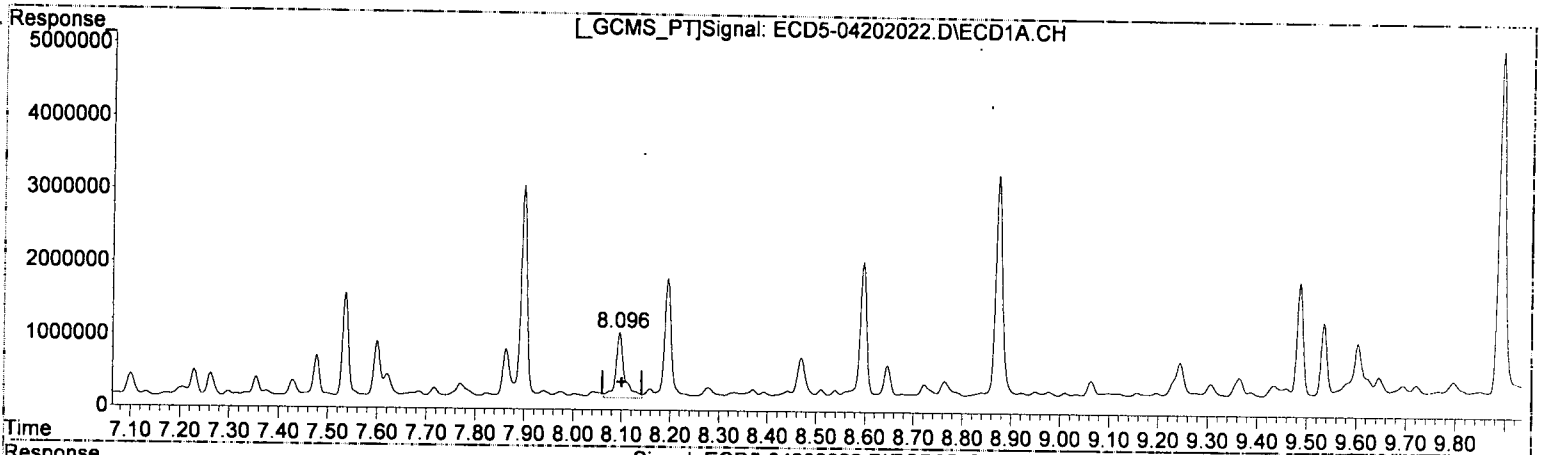
(15) 4,4'-DDD #2
8.664min 20.304 ng/mL
response 4885476

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : A0D0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT
8.096min 7.280 ng/mL
response 900123

MJB
4/21/20

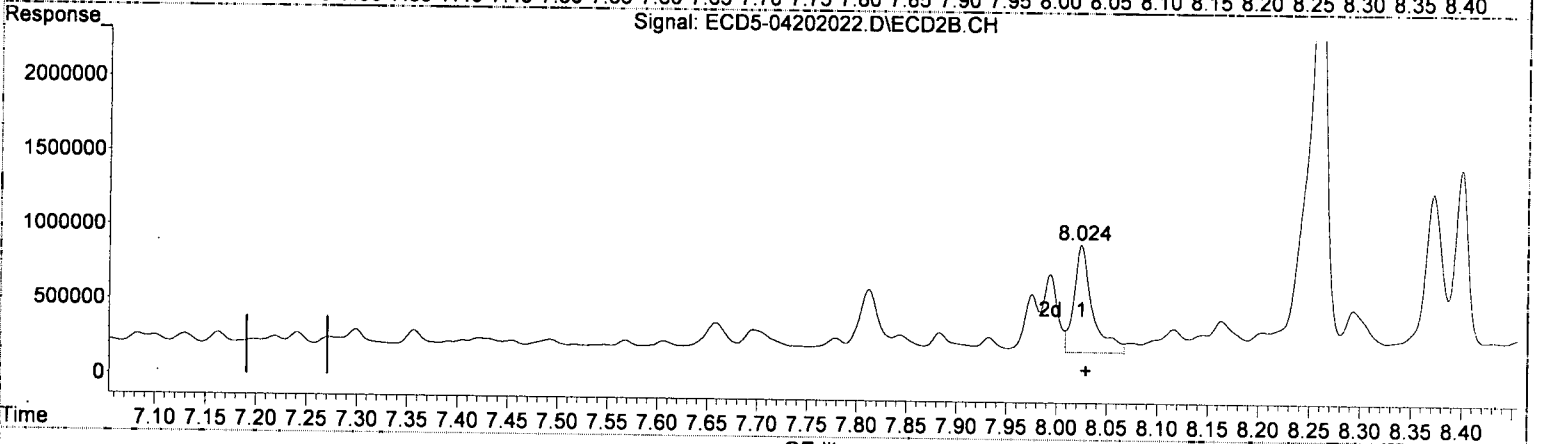
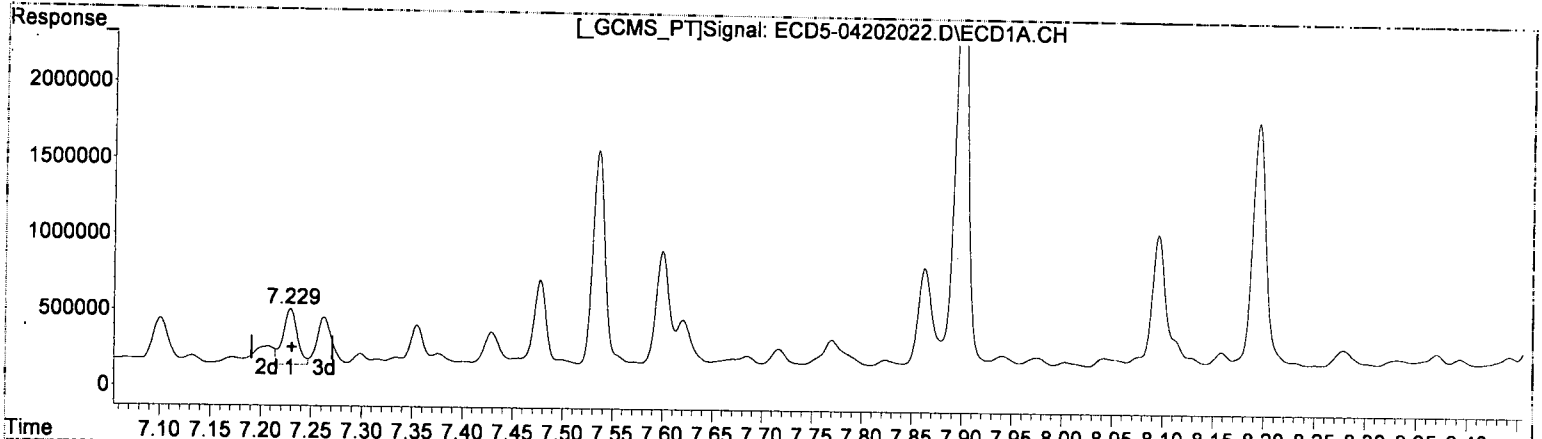
(17) 4,4'-DDT #2
8.891min 8.739 ng/mL
response 1434587

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : AOD0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(26) 2,4'-DDE
7.229min 2.836 ng/mL
response 367224

MJB
4/21/20

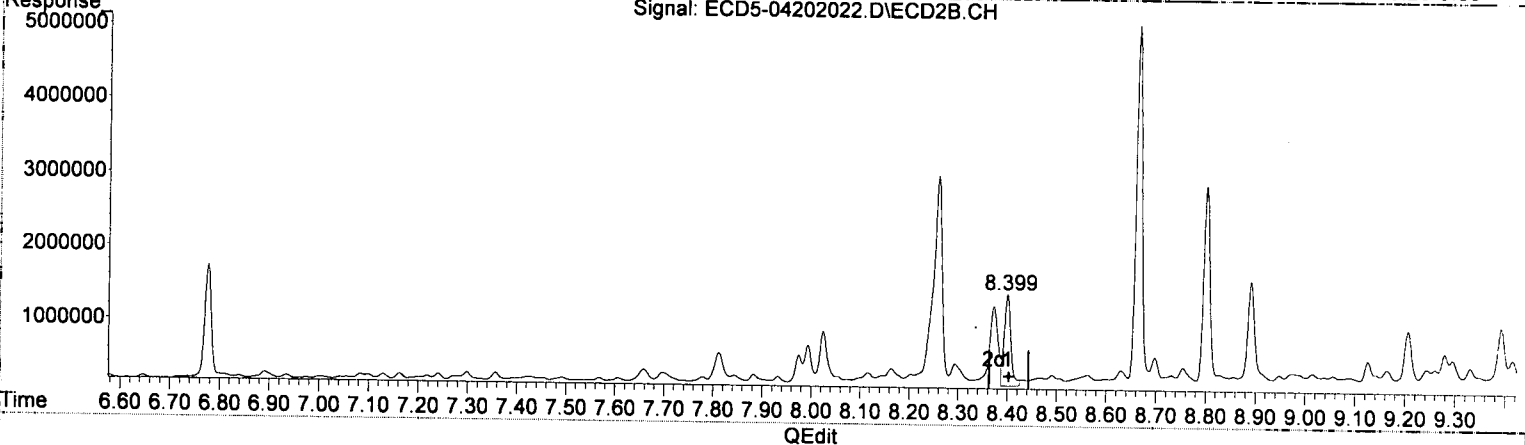
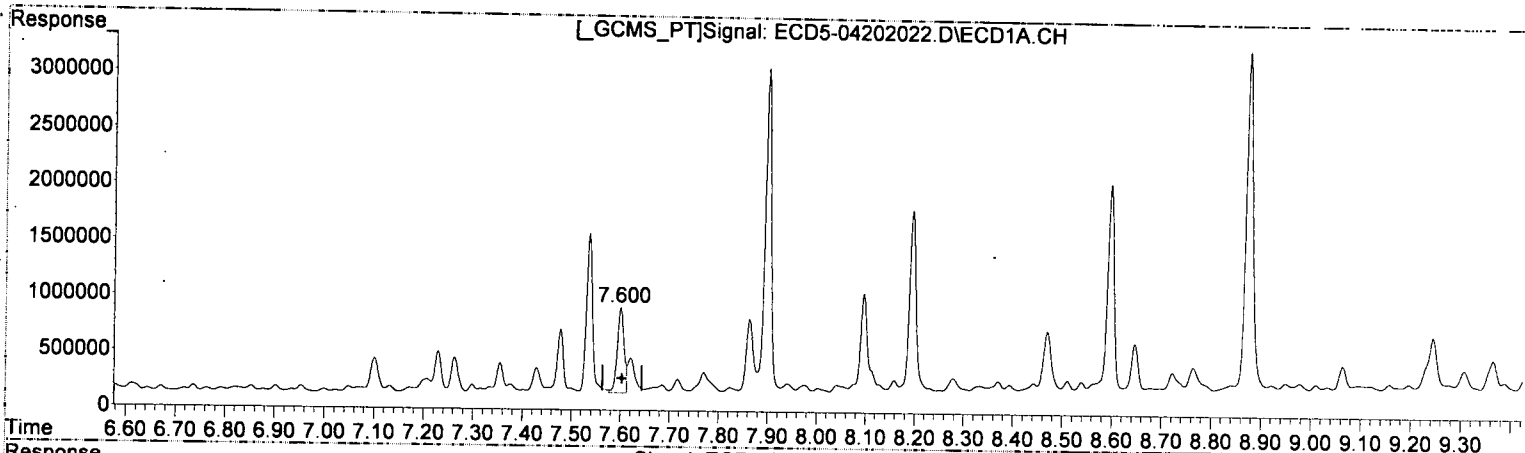
(26) 2,4'-DDE #2
8.024min 3.746 ng/mL
response 718700

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : A0D0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD
7.600min 6.954 ng/mL
response 767376

MR
4/21/20

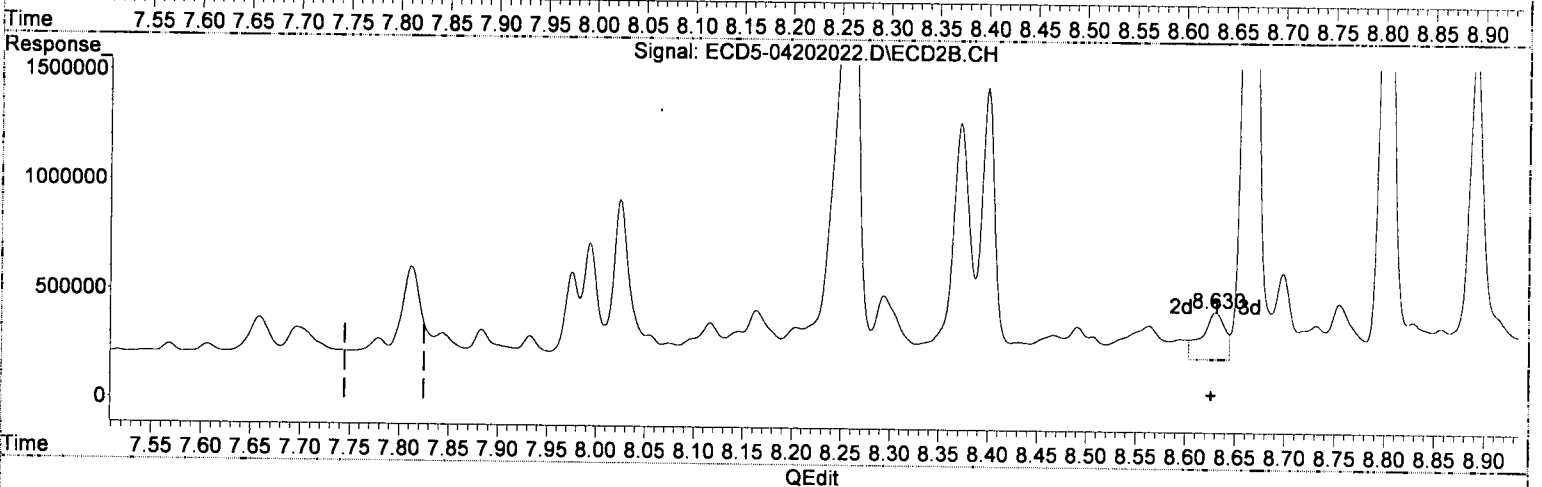
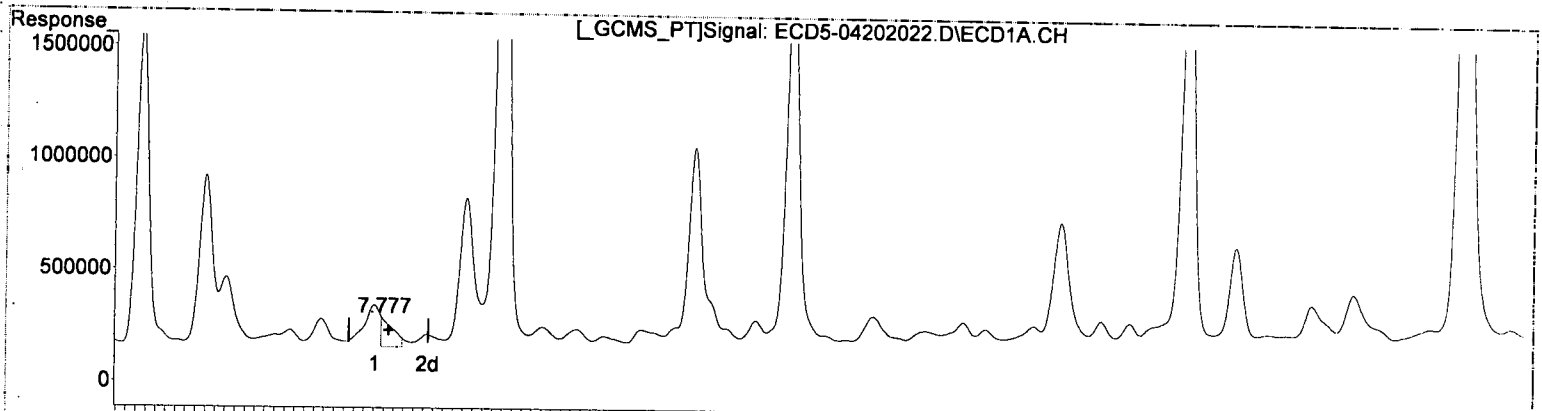
(28) 2,4'-DDD #2
8.400min 7.341 ng/mL
response 1232491

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : A0D0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.777min 1.154 ng/mL (m)
response 134606

MJB
4/21/20

(29) 2,4'-DDT #2
8.630min 1.350 ng/mL *MDL*
response 213762

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 18:14
 Operator : MJB
 Sample : A0D0212-04RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

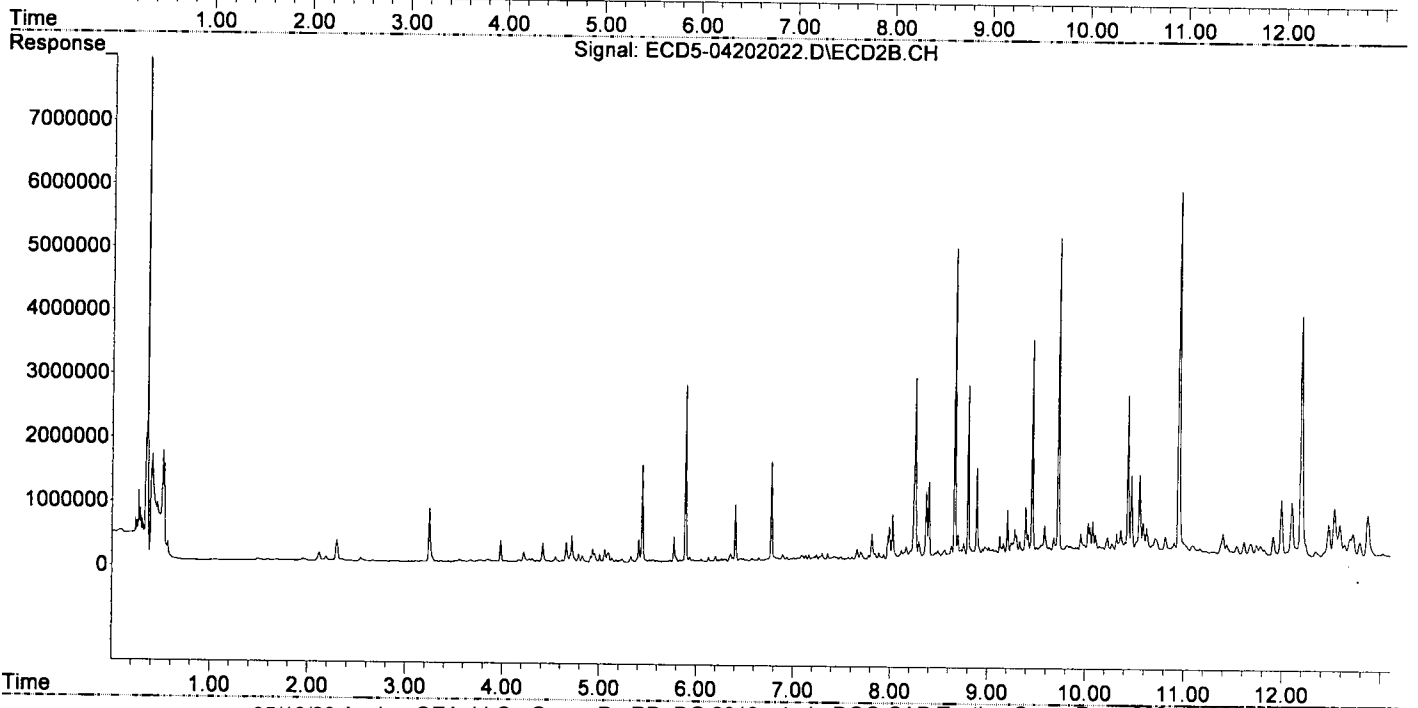
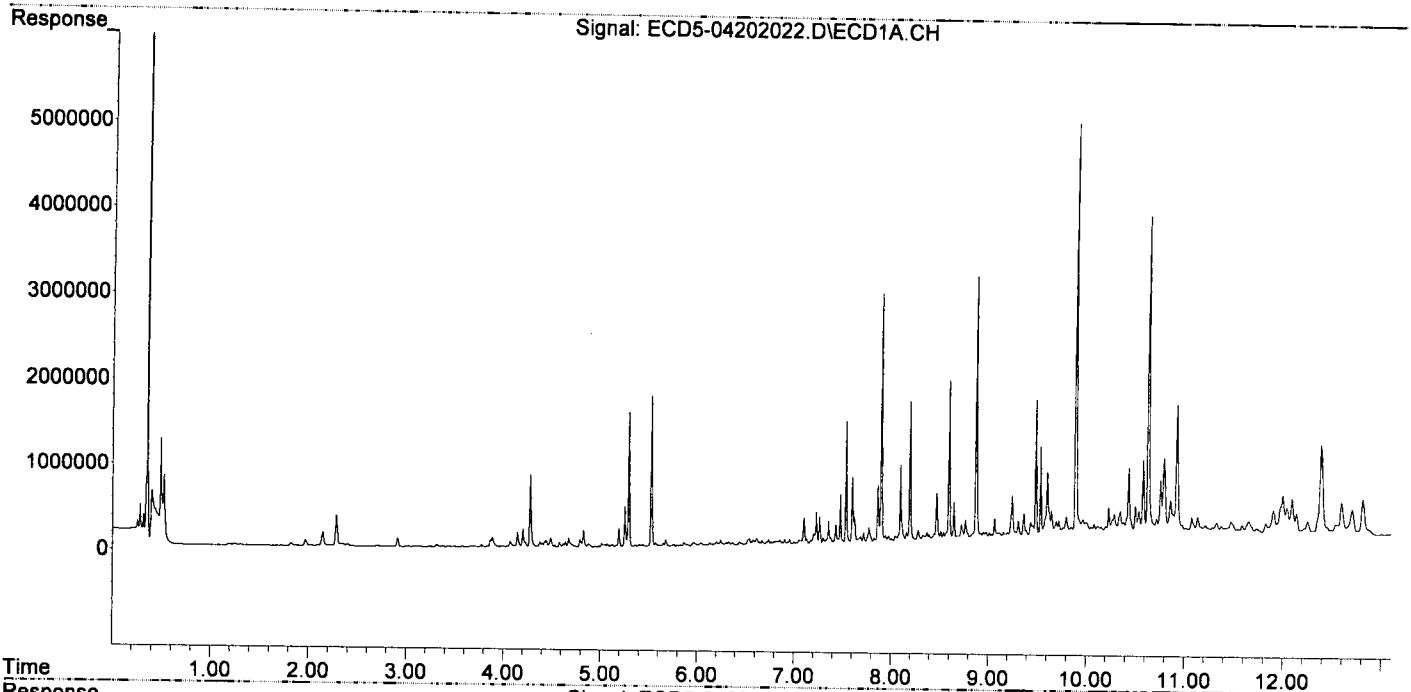
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 1572530 | 2758315 | 8.140 | 9.650 |
| 22) S DCBP (S) | 9.487 | 10.435 | 1637463 | 2548686 | 10.851 | 15.007 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.825 | 6.490 | 13089 | 49007 | 0.050 | 0.121 # |
| 3) g-BHC | 6.129 | 6.840f | 33160 | 54759 | 0.145 | 0.155 |
| 4) b-BHC | 6.200 | 6.891 | 37188 | 105911 | 0.389 | 0.706 # |
| 5) Heptachlor | 6.536 | 7.198 | 73896 | 50837 | 0.332 | 0.152 # |
| 6) d-BHC | 6.323 | 7.129 | 39747 | 88344 | 0.204 | 0.271 # |
| 7) Aldrin | 6.763 | 7.454 | 33296 | 51654 | 0.150 | 0.159 |
| 8) Heptachlo... | 7.229 | 7.883 | 367224 | 124880 | 1.792 | 0.420 # |
| 9) trans-Chl... | 7.299f | 8.024 | 71734 | 718700 | 0.344 | 2.372 # |
| 10) cis-Chlor... | 7.429 | 8.164 | 222683 | 215693 | 1.087 | 0.743 # |
| 11) Endosulfa... | 7.536 | 8.204 | 1429943 | 140448 | 7.396 | 0.517 # |
| 12) 4,4'-DDE | 7.477 | 8.259 | 572072 | 2848182 | 2.902 | 9.947 # |
| 13) Dieldrin | 7.685 | 8.400 | 75668 | 1232491 | 0.356 | 4.143 # |
| 14) Endrin | 7.863 | 8.630 | 667443 | 213762 | 3.905 | 0.934 # |
| 15) 4,4'-DDD | 7.899 | 8.664 | 2917577 | 4885476 | 17.852 | 20.304 |
| 16) Endosulfa... | 8.004 | 8.755 | 49239 | 253869 | 0.294 | 1.058 # |
| 17) 4,4'-DDT | 8.096 | 8.891 | 900123 | 1434587 | 7.280 | 8.739 |
| 18) Endrin Al... | 8.279f | 9.015 | 143409 | 191215 | 0.980 | 0.919 |
| 19) Endosulfa... | 8.597 | 9.206 | 1897422 | 770277 | 11.539 | 3.383 # |
| 20) Methoxychlor | 8.470f | 9.392 | 569839 | 816132 | 8.628 | 9.531 |
| 21) Endrin Ke... | 8.765f | 9.585 | 250895 | 518940 | 1.314 | 2.081 # |
| 23) Hexachlor... | 3.087 | 3.575 | 9195 | 24396 | 11064.659 | BelowCal # |
| 24) Hexachlor... | 5.675 | 6.355 | 74090 | 125387 | 0.133 | 0.210 # |
| 25) Oxychlordan | 7.173 | 7.812 | 43513 | 413247 | 0.001 | 1.433 # |
| 26) 2,4'-DDE | 7.229 | 8.024 | 367224 | 718700 | 2.836 | 3.746 # |
| 27) trans-Non... | 7.429f | 8.116 | 222683 | 158957 | 0.929 | 0.346 # |
| 28) 2,4'-DDD | 7.600 | 8.400 | 757076 | 1232491 | 6.858 | 7.341 |
| 29) 2,4'-DDT | 7.771 | 8.630 | 185032 | 213762 | 1.661 | 1.350 |
| 30) cis-Nonac... | 7.863 | 8.664 | 667443 | 4885476 | 3.073 | 16.482 # |
| 31) Mirex | 8.539 | 9.585 | 117103 | 518940 | 0.493 | 2.624 # |
| 32) Chlordane... | 7.355 | 8.074 | 265936 | 66377 | 11.393 | 1.685 # |
| 33) Chlordane... | 7.477f | 8.164 | 572072 | 215693 | 21.545 | 6.586 # |
| 34) Chlordane... | 8.004 | 8.857 | 49239 | 140693 | 6.773 | 13.749 # |
| 35) Chlordane... | 3.687 | 3.670f | 14302 | 36879 | NoCal | NoCal |
| 36) Toxaphene... | 7.477 | 8.400f | 572072 | 1232491 | 550.497 | 438.237 |
| 37) Toxaphene... | 7.771 | 8.802f | 185032 | 2718576 | 96.515 | 760.627 # |
| 38) Toxaphene... | 8.043f | 8.802 | 79490 | 2718576 | 19.499 | 486.893 # |
| 39) Toxaphene... | 8.279f | 8.891 | 143409 | 1434587 | 36.508 | 169.942 # |
| 40) Toxaphene... | 8.539 | 9.056 | 117103 | 159681 | 38.176 | 32.313 |
| 41) Toxaphene... | 8.597 | 9.459f | 1897422 | 3422263 | 473.681 | 633.220 # |
| 42) Toxaphene... | 3.687f | 3.670 | 14302 | 36879 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:14
Operator : MJB
Sample : AOD0212-04RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 18:52
 Operator : MJB
 Sample : AOD0212-05RE1(65)
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 16:13:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

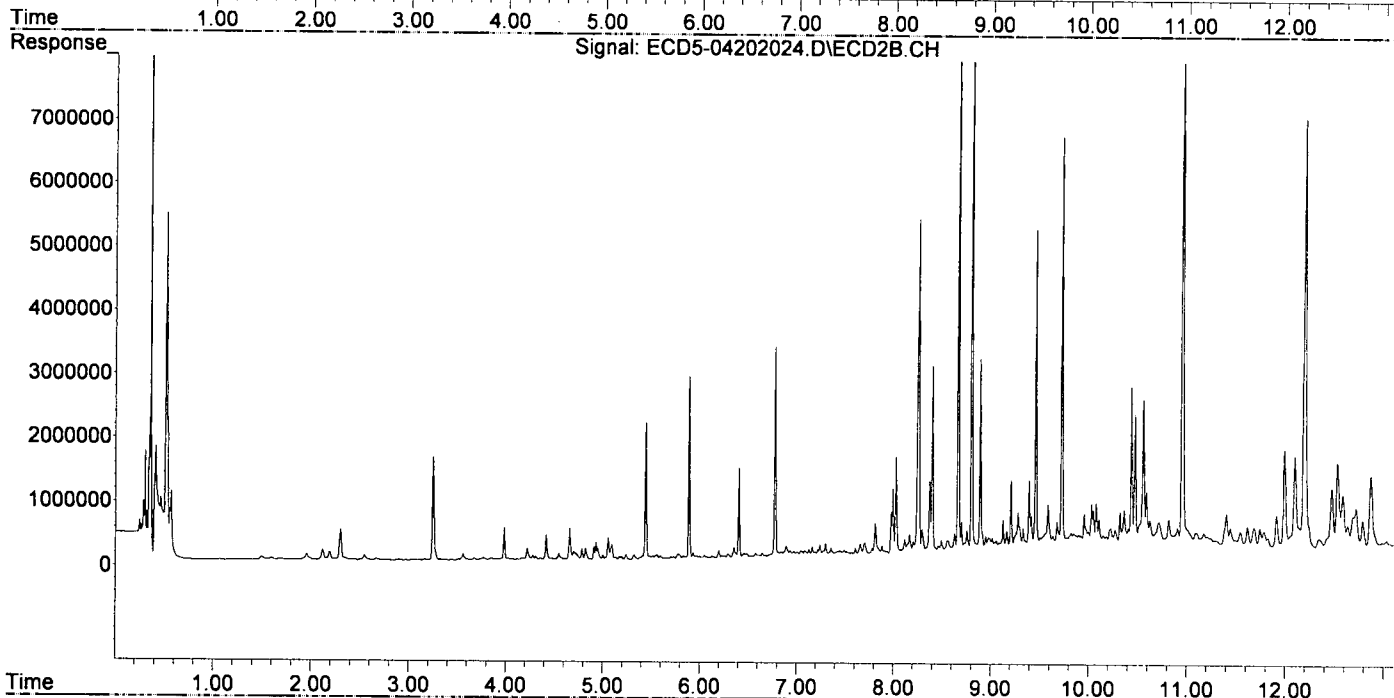
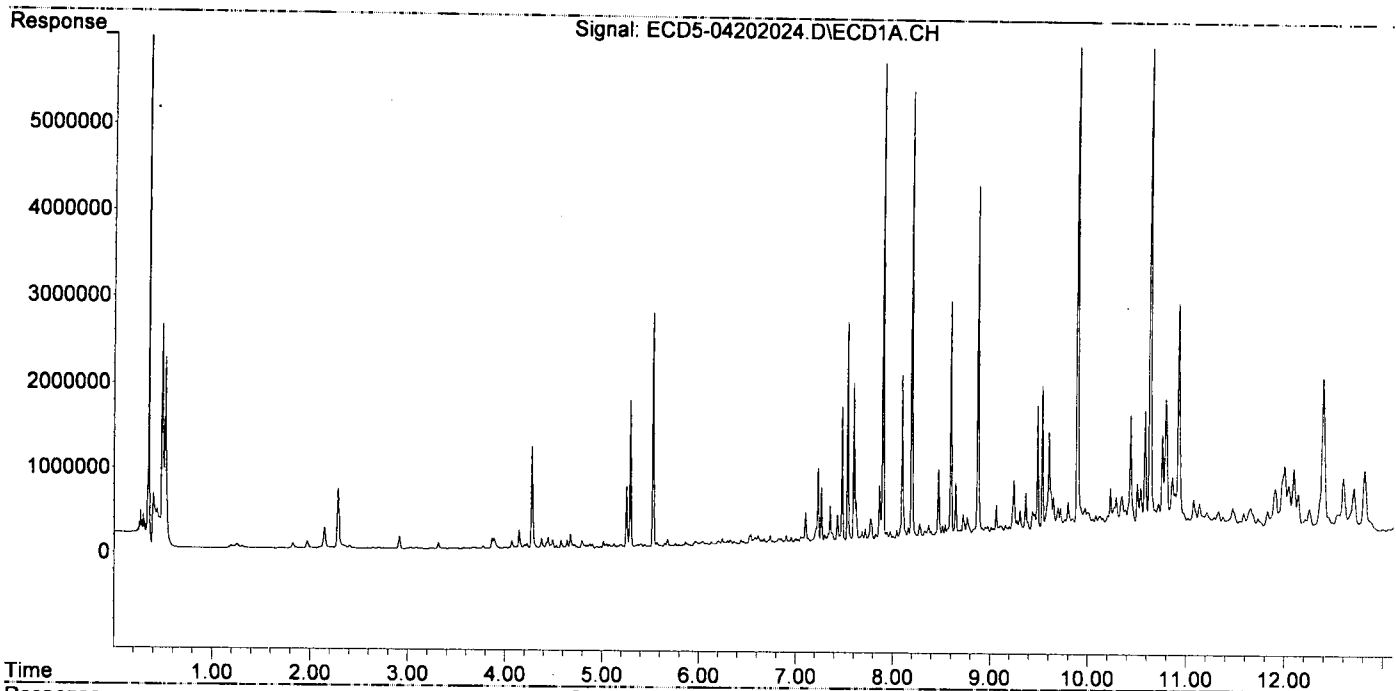
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|---------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.291 | 5.888 | 1716487 | 2854756 | 8.885 | 9.987 |
| 22) S DCBP (S) | 9.486 | 10.435 | 1561141 | 2562246 | 10.337 | 15.087 # 6.04 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.862f | 6.489 | 46845 | 65492 | 0.178 | 0.162 |
| 3) g-BHC | 6.129 | 6.839f | 43760 | 83954 | 0.191 | 0.237 |
| 4) b-BHC | 6.199 | 6.892 | 48345 | 166378 | 0.505 | 1.109 # |
| 5) Heptachlor | 6.532 | 7.220f | 117998 | 107227 | 0.530 | 0.320 # |
| 6) d-BHC | 6.325 | 7.129 | 56536 | 111280 | 0.290 | 0.341 |
| 7) Aldrin | 6.735f | 7.453 | 105700 | 76273 | 0.476 | 0.234 # |
| 8) Heptachlo... | 7.228 | 7.882 | 886974 | 144715 | 4.328 | 0.486 # |
| 9) trans-Chl... | 7.353f | 8.024 | 434132 | 1534628 | 2.083 | 5.066 # |
| 10) cis-Chlor... | 7.429 | 8.163 | 329552 | 317857 | 1.609 | 1.095 # |
| 11) Endosulfa... | 7.535 | 8.203 | 2568975 | 200967 | 13.287 | 0.740 # |
| 12) 4,4'-DDE | 7.476 | 8.257 | 1592415 | 5228570 | 8.079 | 18.260 # 2.1 |
| 13) Dieldrin | 7.715f | 8.399 | 159258 | 2952802 | 0.750 | 9.925 # |
| 14) Endrin | 0.000 | 8.627 | 0 | 319839 | N.D. | 1.397 # |
| 15) 4,4'-DDD | 7.898 | 8.663 | 5576674 | 9192906 | 34.123 | 38.206 |
| 16) Endosulfa... | 7.973f | 8.753 | 118981 | 355870 | 0.710 | 1.483 # |
| 17) 4,4'-DDT | 8.095 | 8.890 | 1946779 | 3051811 | 15.541 | 18.023 |
| 18) Endrin Al... | 8.276f | 9.014 | 205589 | 232499 | 1.405 | 1.118 |
| 19) Endosulfa... | 8.596 | 9.206 | 2791084 | 1131725 | 16.974 | 4.970 # |
| 20) Methoxychlor | 8.469f | 9.392 | 840268 | 1121103 | 12.745 | 13.019 |
| 21) Endrin Ke... | 8.766f | 9.585 | 261815 | 735405 | 1.371 | 2.950 # |
| 23) Hexachlor... | 3.087 | 3.556f | 17667 | 109467 | 11064.614 | 0.083 # |
| 24) Hexachlor... | 5.675 | 6.354 | 87289 | 163049 | 0.206 | 0.347 # |
| 25) Oxychlordane | 0.000 | 7.811 | 0 | 500732 | N.D. | 1.792 # |
| 26) 2,4'-DDE | 7.228 | 8.024 | 886974 | 1534628 | 7.143 | 8.204 |
| 27) trans-Non... | 7.429 | 8.115 | 329552 | 241175 | 1.498 | 0.649 # |
| 28) 2,4'-DDD | 7.599 | 8.399 | 1863696 | 2952802 | 17.247 | 17.803 |
| 29) 2,4'-DDT | 7.775 | 8.627 | 256165 | 319839 | 2.376m | 2.109 # 2.02 |
| 30) cis-Nonac... | 7.898 | 8.663 | 5576674 | 9192906 | 27.214 | 30.746 |
| 31) Mirex | 0.000 | 9.585 | 0 | 735405 | N.D. | 3.901 # |
| 32) Chlordane... | 7.353 | 8.074 | 434132 | 85792 | 18.599 | 2.177 # |
| 33) Chlordane... | 7.476 | 8.163 | 1592415 | 317857 | 59.973 | 9.706 # |
| 34) Chlordane... | 7.973f | 0.000 | 118981 | 0 | 16.367 | N.D. # |
| 35) Chlordane... | 3.669 | 3.672f | 16408 | 37036 | NoCal | NoCal |
| 36) Toxaphene... | 7.476 | 8.463f | 1592415 | 129243 | 1532.360 | 45.955 # |
| 37) Toxaphene... | 7.773f | 8.800f | 267830 | 8815683 | 141.179 | 2466.528 # |
| 38) Toxaphene... | 8.095f | 8.800 | 1946779 | 8815683 | 477.556 | 1578.875 # |
| 39) Toxaphene... | 8.330f | 8.890 | 119835 | 3051811 | 30.507 | 361.588 # |
| 40) Toxaphene... | 0.000 | 9.056 | 0 | 190569 | N.D. | 38.564 # |
| 41) Toxaphene... | 8.596 | 9.459f | 2791084 | 5048989 | 696.778 | 934.213 # |
| 42) Toxaphene... | 3.669 | 3.672 | 16408 | 37036 | NoCal | NoCal |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 16:13:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

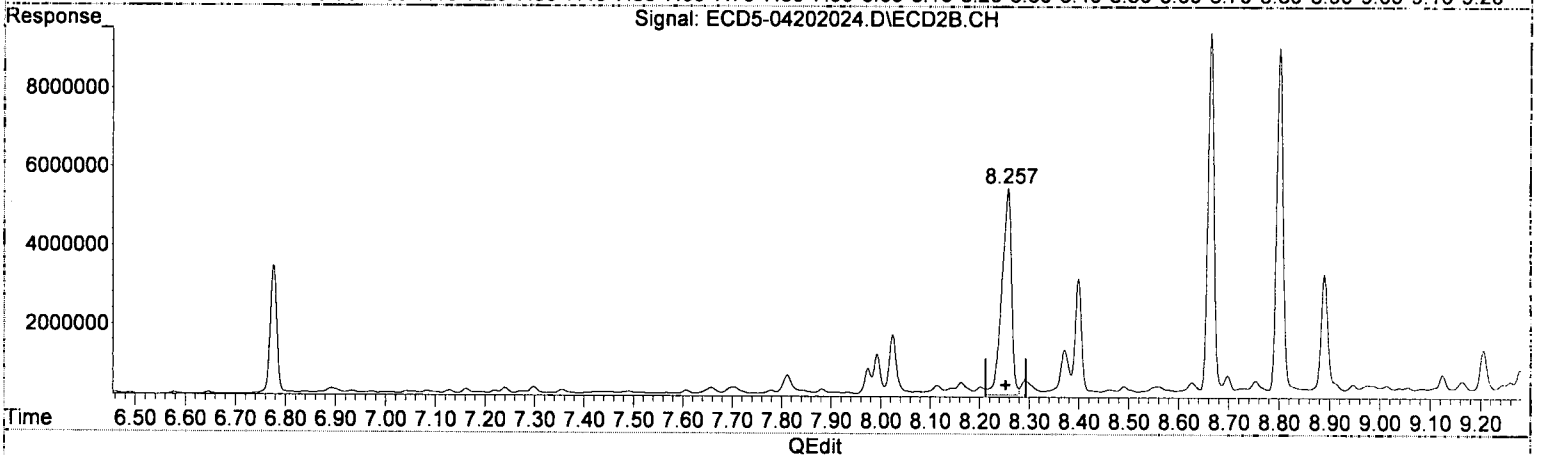
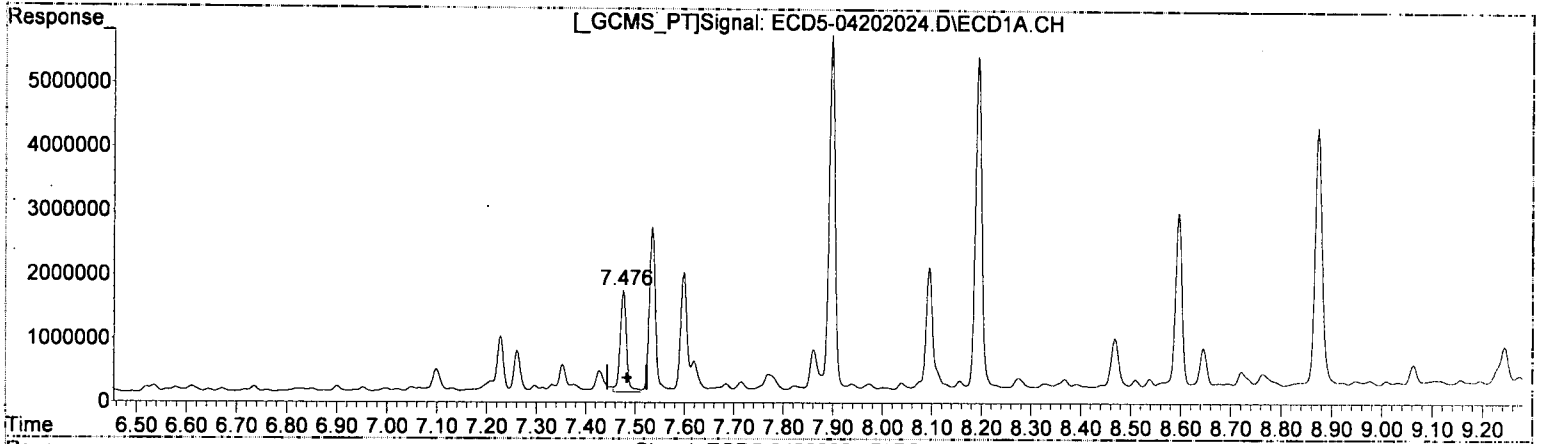


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.476min 8.079 ng/mL
response 1592415

MJB
4/24/20

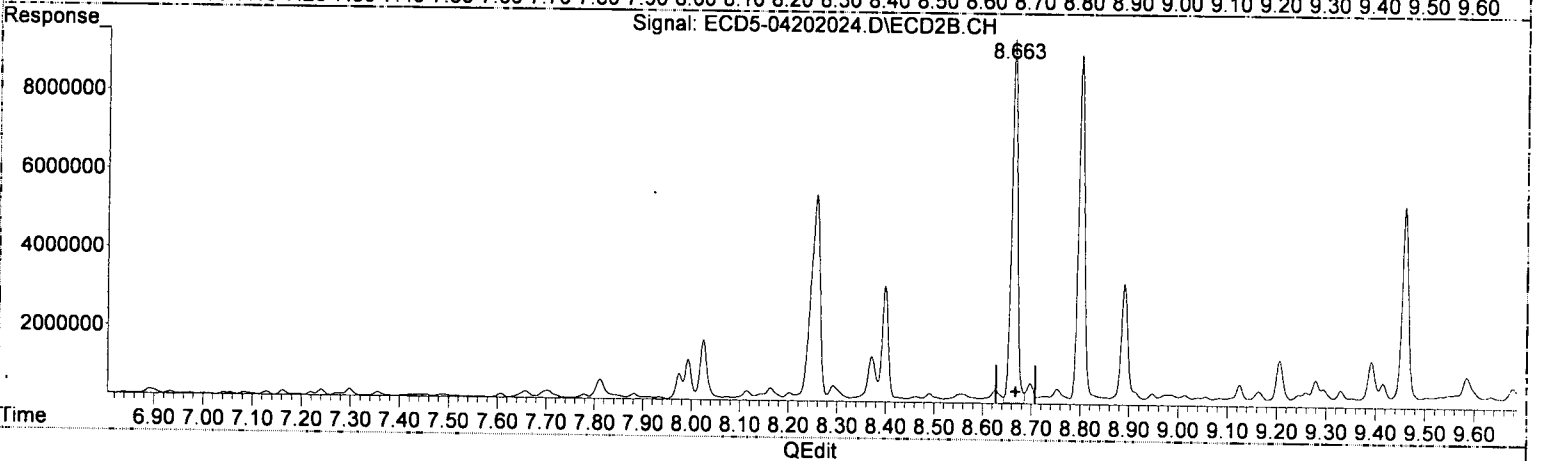
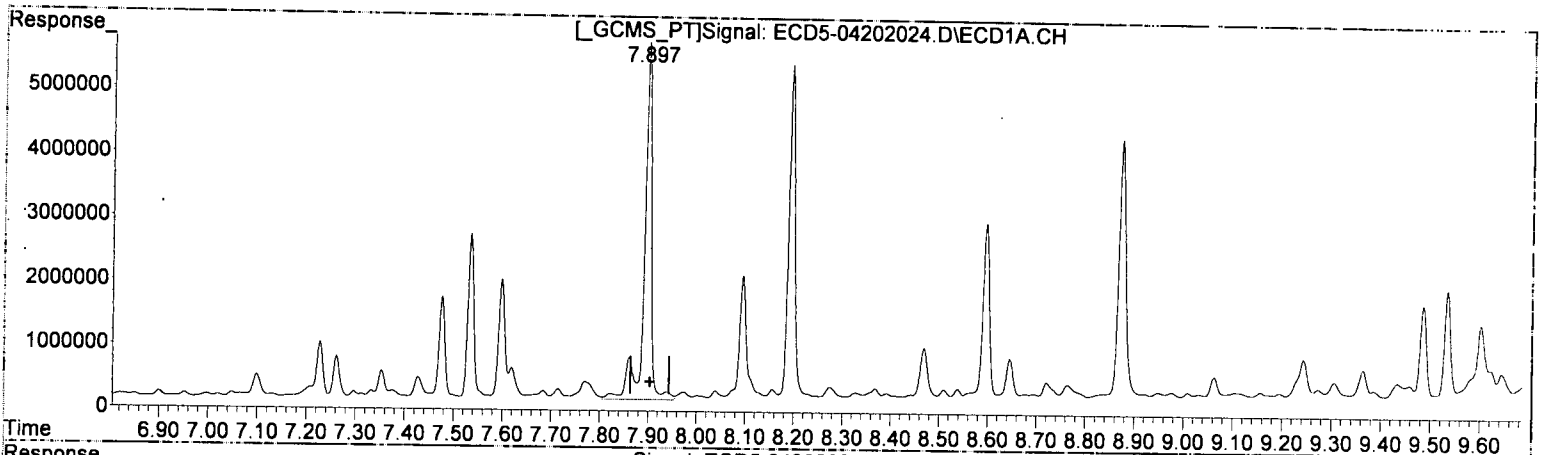
(12) 4,4'-DDE #2
8.257min 18.260 ng/mL
response 5228570

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.898min 34.123 ng/mL
response 5576674

MJB
4/21/20

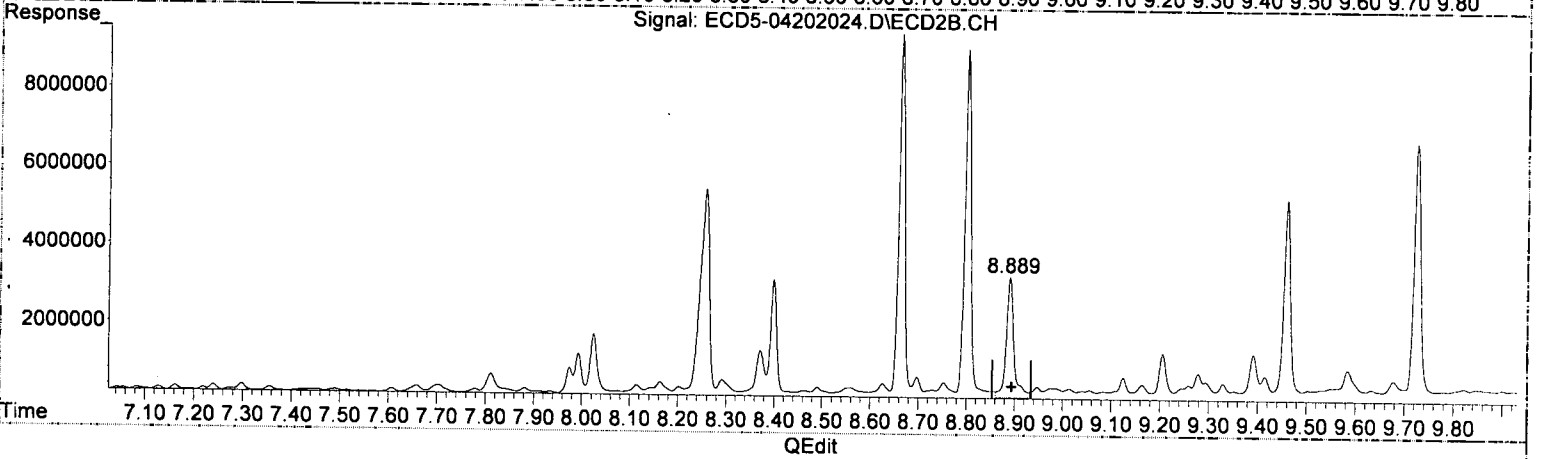
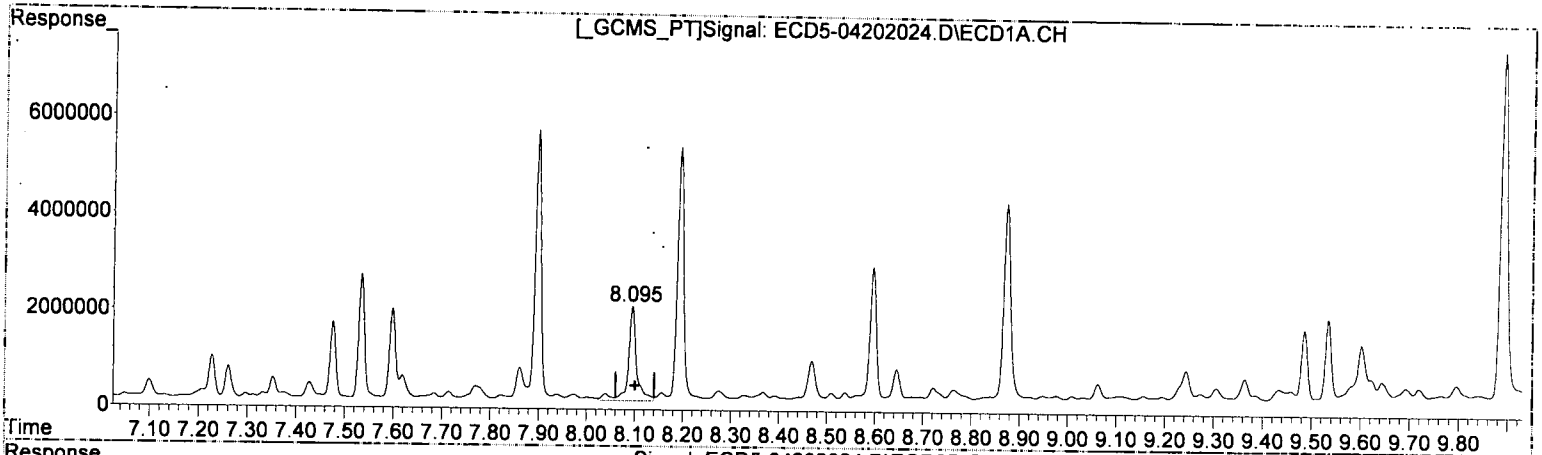
(15) 4,4'-DDD #2
8.663min 38.206 ng/mL
response 9192906

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT

8.095min 15.541 ng/mL

response 1946779

MJB
4/21/20

(17) 4,4'-DDT #2

8.890min 18.023 ng/mL

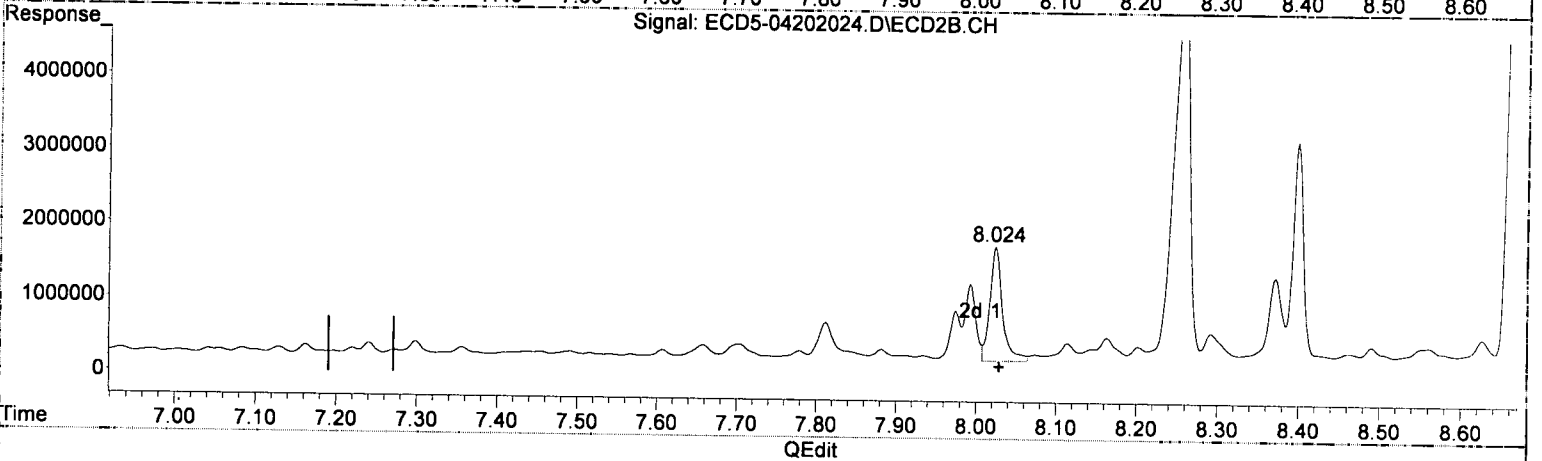
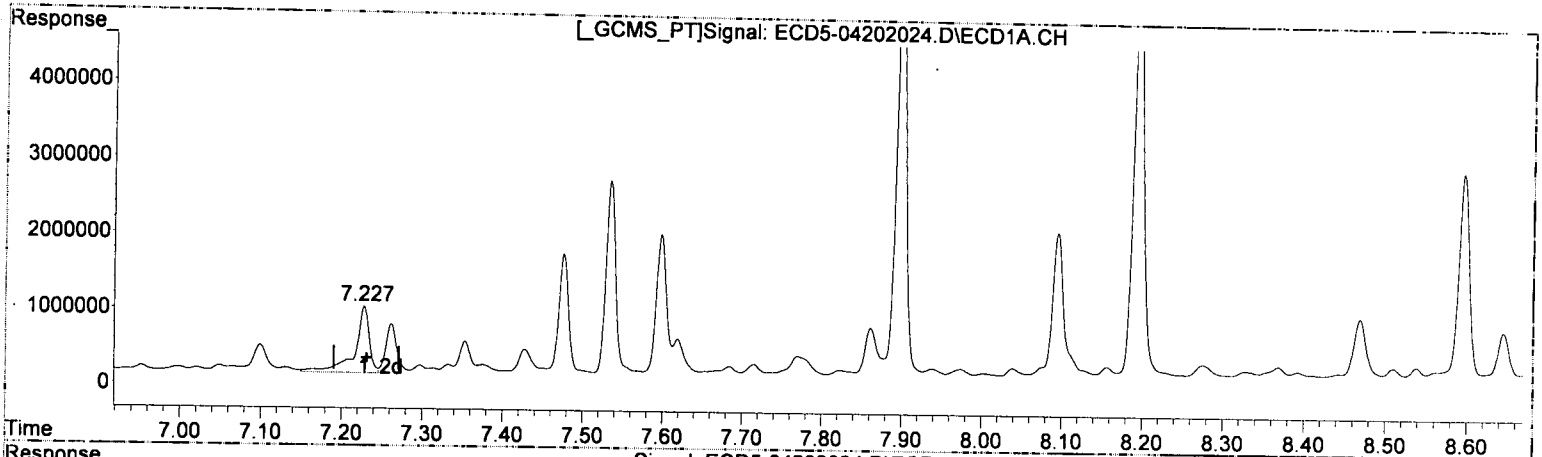
response 3051811

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(26) 2,4'-DDE
7.228min 7.143 ng/mL
response 886974

MJB
4/21/20

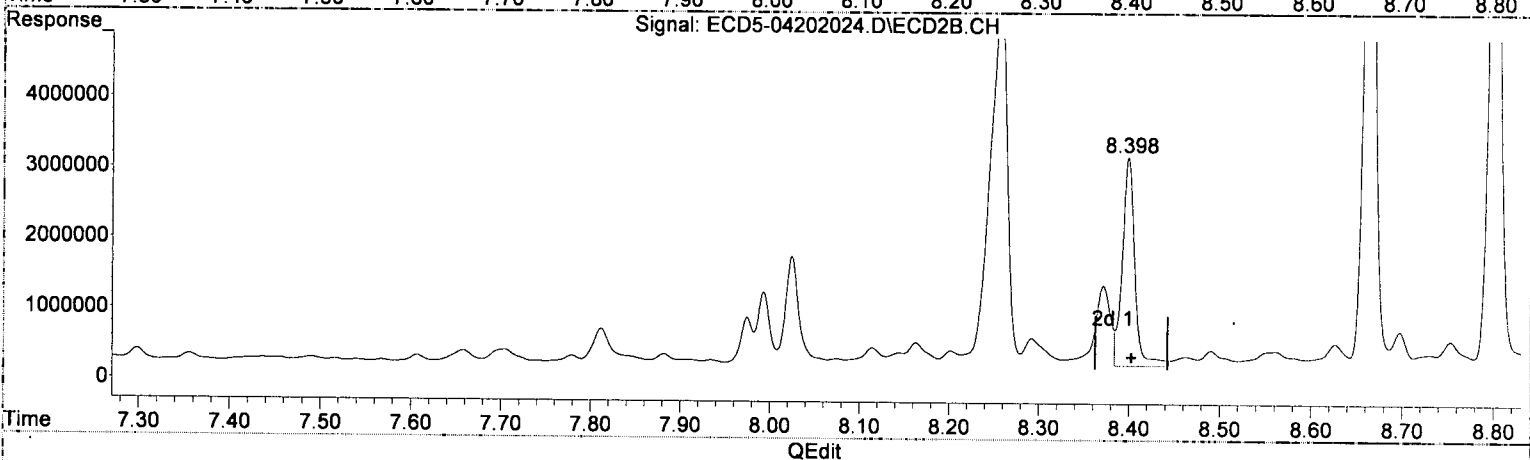
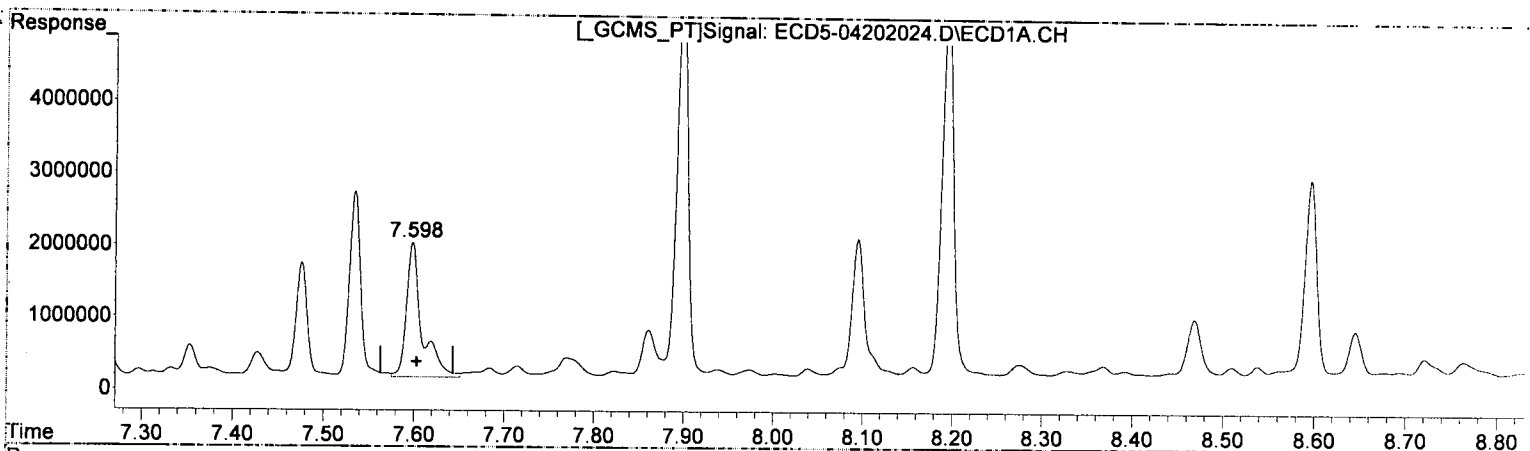
(26) 2,4'-DDE #2
8.024min 8.204 ng/mL
response 1534628

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 18:52
 Operator : MJB
 Sample : AOD0212-05RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD

7.599min 17.247 ng/mL
 response 1863696

MJB
4/21/20

(28) 2,4'-DDD #2

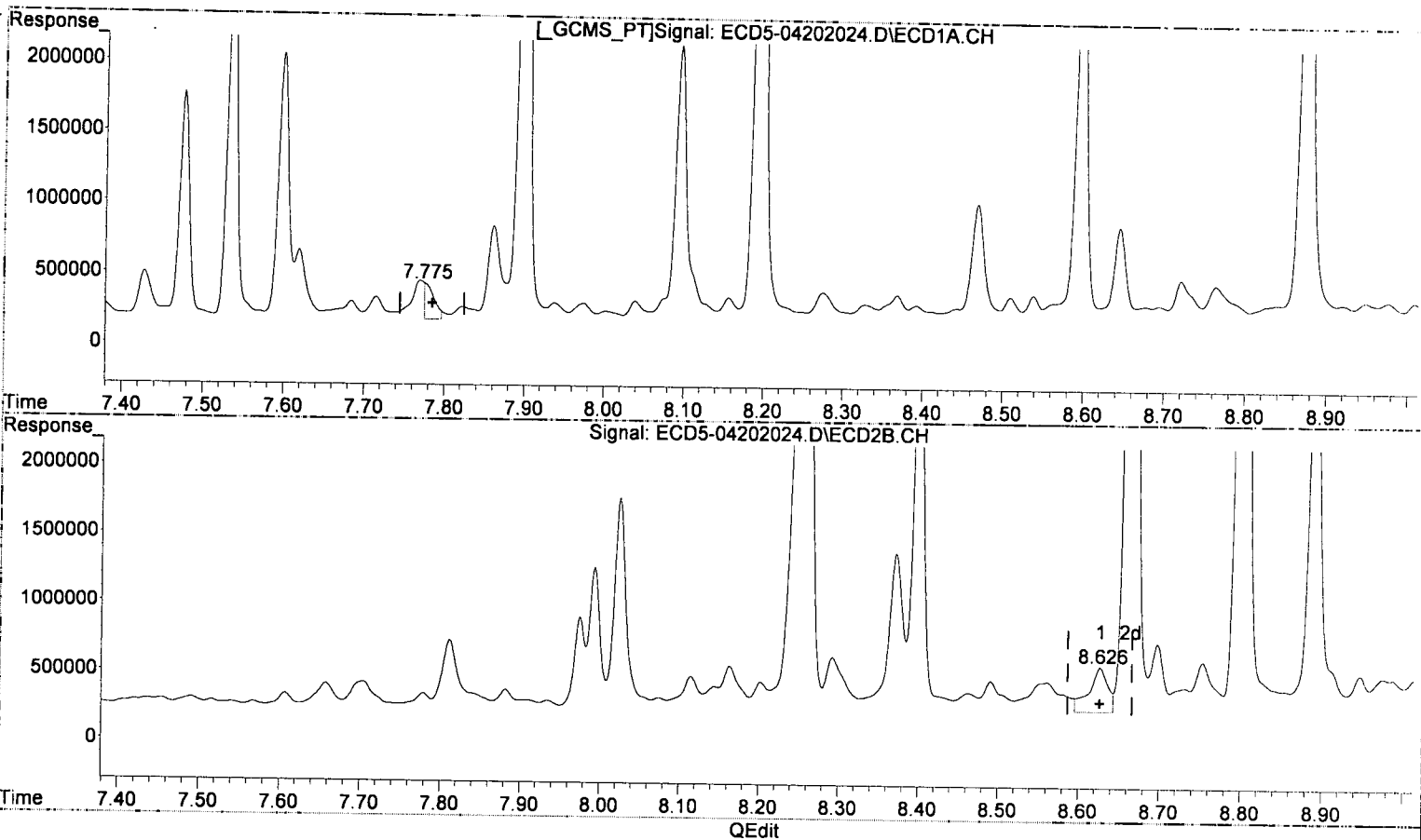
8.399min 17.803 ng/mL
 response 2952802

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : A0D0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only; GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT
7.775min 2.376 ng/mL (m)
response 256165

(29) 2,4'-DDT #2
8.627min 2.109 ng/mL P-02
response 319839

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 18:52
 Operator : MJB
 Sample : A0D0212-05RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

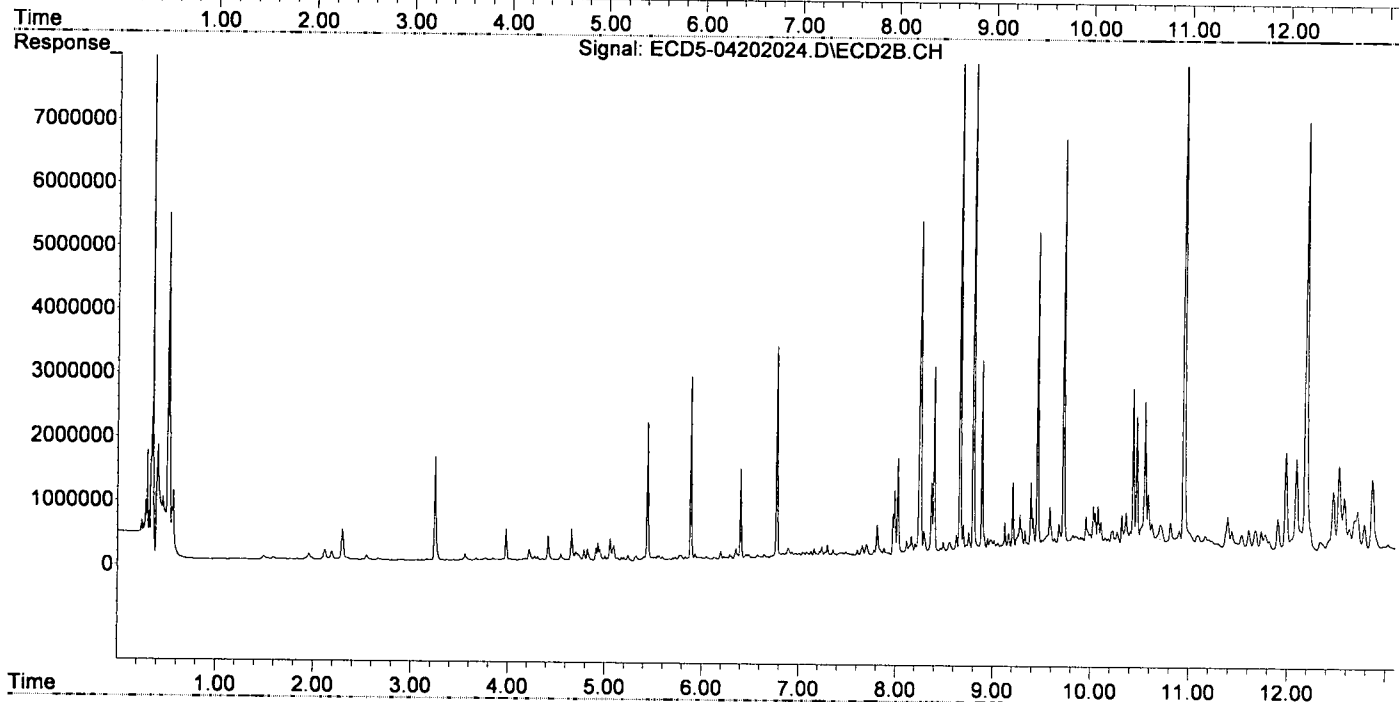
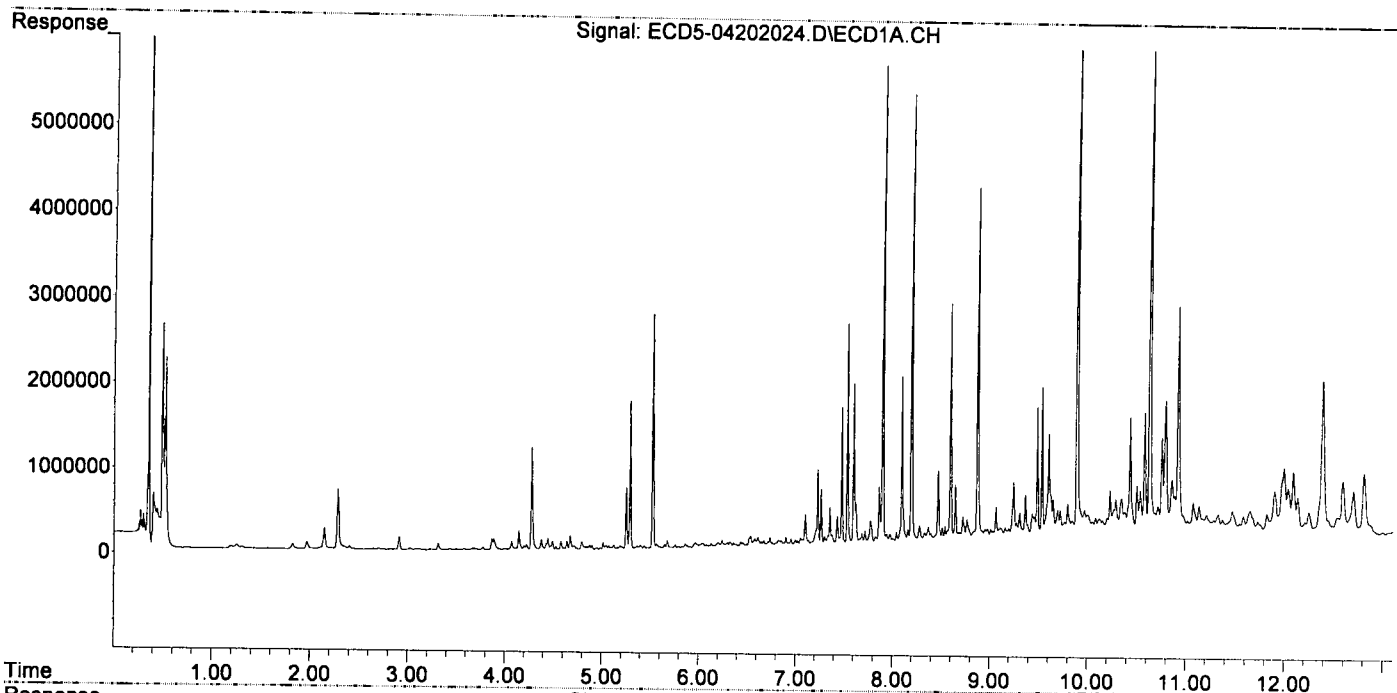
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.291 | 5.888 | 1716487 | 2854756 | 8.885 | 9.987 |
| 22) S DCBP (S) | 9.486 | 10.435 | 1561141 | 2562246 | 10.337 | 15.087 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.862f | 6.489 | 46845 | 65492 | 0.178 | 0.162 |
| 3) g-BHC | 6.129 | 6.839f | 43760 | 83954 | 0.191 | 0.237 |
| 4) b-BHC | 6.199 | 6.892 | 48345 | 166378 | 0.505 | 1.109 # |
| 5) Heptachlor | 6.532 | 7.220f | 117998 | 107227 | 0.530 | 0.320 # |
| 6) d-BHC | 6.325 | 7.129 | 56536 | 111280 | 0.290 | 0.341 |
| 7) Aldrin | 6.735f | 7.453 | 105700 | 76273 | 0.476 | 0.234 # |
| 8) Heptachlo... | 7.228 | 7.882 | 886974 | 144715 | 4.328 | 0.486 # |
| 9) trans-Chl... | 7.353f | 8.024 | 434132 | 1534628 | 2.083 | 5.066 # |
| 10) cis-Chlor... | 7.429 | 8.163 | 329552 | 317857 | 1.609 | 1.095 # |
| 11) Endosulfa... | 7.535 | 8.203 | 2568975 | 200967 | 13.287 | 0.740 # |
| 12) 4,4'-DDE | 7.476 | 8.257 | 1592415 | 5228570 | 8.079 | 18.260 # |
| 13) Dieldrin | 7.715f | 8.399 | 159258 | 2952802 | 0.750 | 9.925 # |
| 14) Endrin | 0.000 | 8.627 | 0 | 319839 | N.D. | 1.397 # |
| 15) 4,4'-DDD | 7.898 | 8.663 | 5576674 | 9192906 | 34.123 | 38.206 |
| 16) Endosulfa... | 7.973f | 8.753 | 118981 | 355870 | 0.710 | 1.483 # |
| 17) 4,4'-DDT | 8.095 | 8.890 | 1946779 | 3051811 | 15.541 | 18.023 |
| 18) Endrin Al... | 8.276f | 9.014 | 205589 | 232499 | 1.405 | 1.118 |
| 19) Endosulfa... | 8.596 | 9.206 | 2791084 | 1131725 | 16.974 | 4.970 # |
| 20) Methoxychlor | 8.469f | 9.392 | 840268 | 1121103 | 12.745 | 13.019 |
| 21) Endrin Ke... | 8.766f | 9.585 | 261815 | 735405 | 1.371 | 2.950 # |
| 23) Hexachlor... | 3.087 | 3.556f | 17667 | 109467 | 11064.614 | 0.083 # |
| 24) Hexachlor... | 5.675 | 6.354 | 87289 | 163049 | 0.206 | 0.347 # |
| 25) Oxychlorane | 0.000 | 7.811 | 0 | 500732 | N.D. | 1.792 # |
| 26) 2,4'-DDE | 7.228 | 8.024 | 886974 | 1534628 | 7.143 | 8.204 |
| 27) trans-Non... | 7.429 | 8.115 | 329552 | 241175 | 1.498 | 0.649 # |
| 28) 2,4'-DDD | 7.599 | 8.399 | 1863696 | 2952802 | 17.247 | 17.803 |
| 29) 2,4'-DDT | 7.773 | 8.627 | 267830 | 319839 | 2.493 | 2.109 |
| 30) cis-Nonac... | 7.898 | 8.663 | 5576674 | 9192906 | 27.214 | 30.746 |
| 31) Mirex | 0.000 | 9.585 | 0 | 735405 | N.D. | 3.901 # |
| 32) Chlordane... | 7.353 | 8.074 | 434132 | 85792 | 18.599 | 2.177 # |
| 33) Chlordane... | 7.476 | 8.163 | 1592415 | 317857 | 59.973 | 9.706 # |
| 34) Chlordane... | 7.973f | 0.000 | 118981 | 0 | 16.367 | N.D. # |
| 35) Chlordane... | 3.669 | 3.672f | 16408 | 37036 | NoCal | NoCal |
| 36) Toxaphene... | 7.476 | 8.463f | 1592415 | 129243 | 1532.360 | 45.955 # |
| 37) Toxaphene... | 7.773f | 8.800f | 267830 | 8815683 | 141.179 | 2466.528 # |
| 38) Toxaphene... | 8.095f | 8.800 | 1946779 | 8815683 | 477.556 | 1578.875 # |
| 39) Toxaphene... | 8.330f | 8.890 | 119835 | 3051811 | 30.507 | 361.588 # |
| 40) Toxaphene... | 0.000 | 9.056 | 0 | 190569 | N.D. | 38.564 # |
| 41) Toxaphene... | 8.596 | 9.459f | 2791084 | 5048989 | 696.778 | 934.213 # |
| 42) Toxaphene... | 3.669 | 3.672 | 16408 | 37036 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 18:52
Operator : MJB
Sample : AOD0212-05RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 19:30
 Operator : MJB
 Sample : A0D0212-06RE1#2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 16:17:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

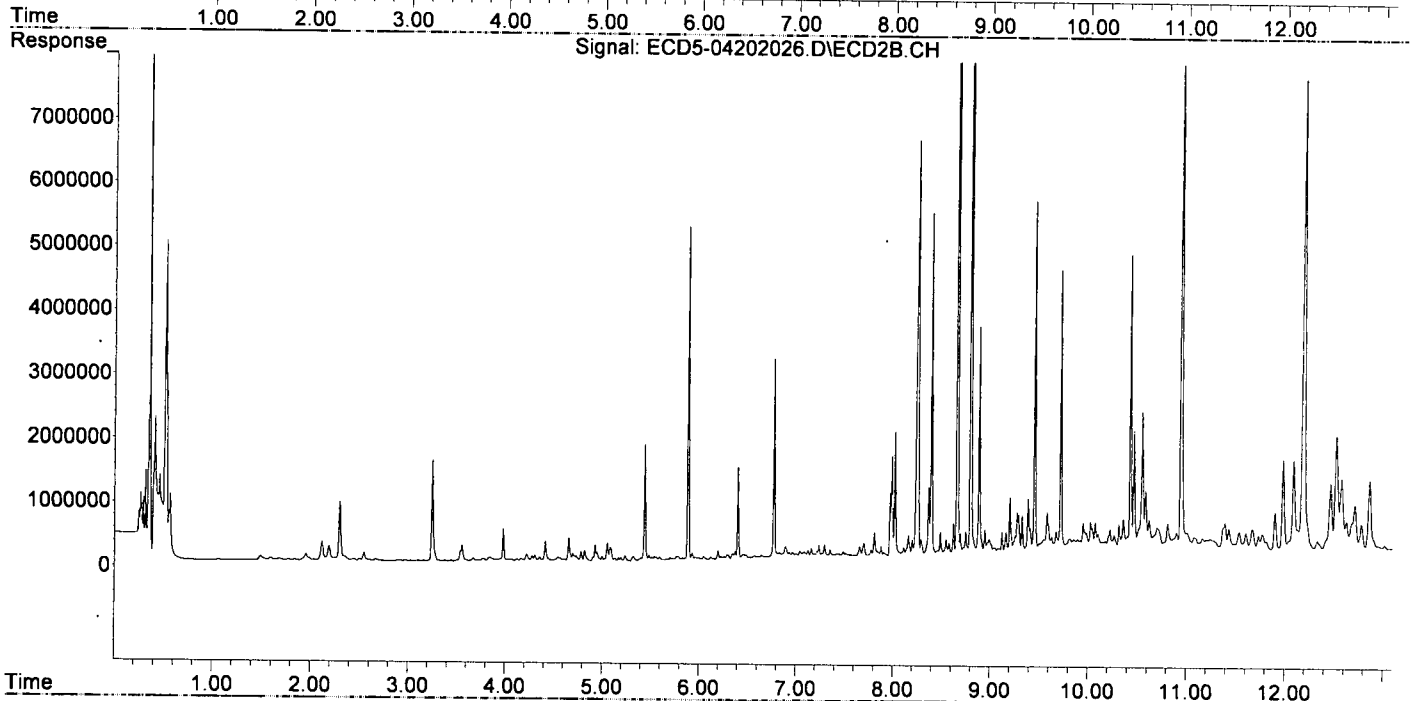
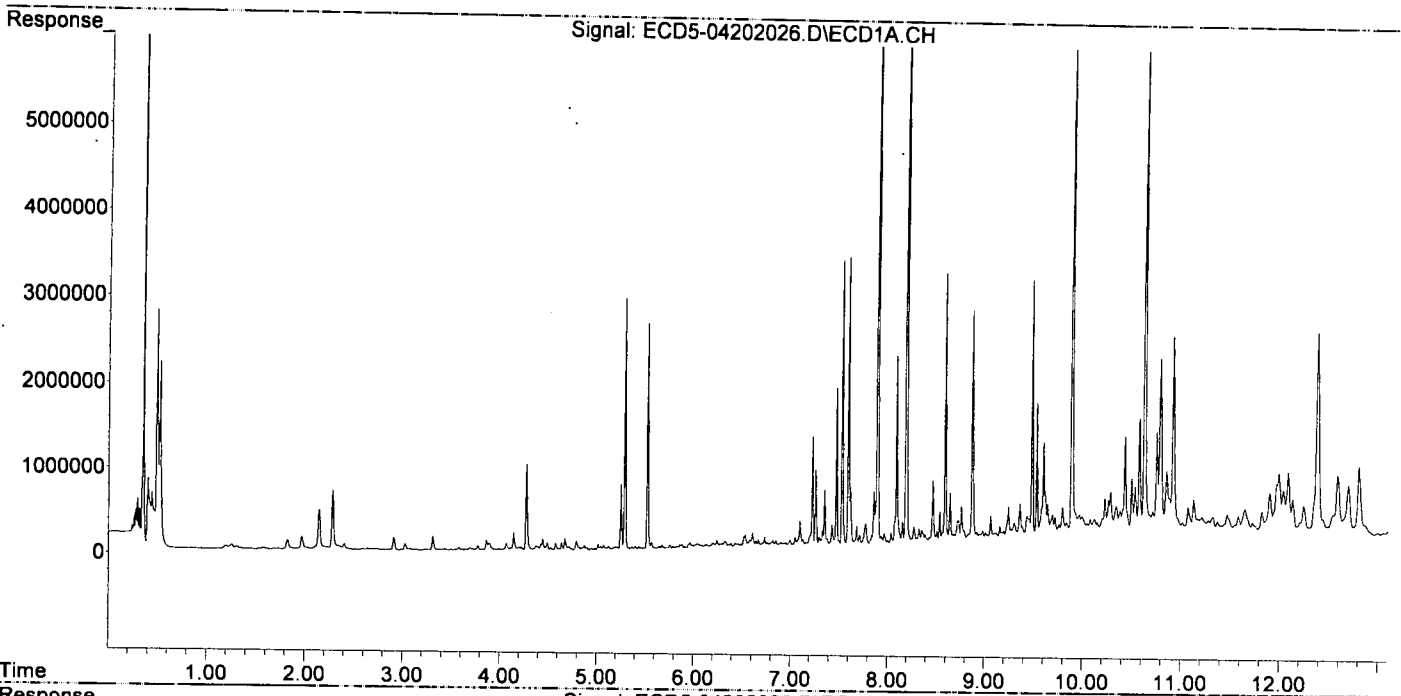
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|------------------------|--------------------------|
| ----- | | | | | | |
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.887 | 2896650 | 5196929 | 14.993 | 18.181 |
| 22) S DCBP (S) | 9.485 | 10.433 | 3063432 | 4659361 | 20.452 | 27.436 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 6.488 | 0 | 71259 | N.D. | 0.176 # |
| 3) g-BHC | 6.129 | 6.830 | 41289 | 96037 | 0.181 | 0.271 # |
| 4) b-BHC | 6.201 | 6.892 | 52786 | 187073 | 0.552 | 1.247 # |
| 5) Heptachlor | 6.531 | 7.193 | 135102 | 65458 | 0.606 | 0.195 # |
| 6) d-BHC | 6.327 | 7.127 | 64047 | 123009 | 0.328 | 0.377 # |
| 7) Aldrin | 6.734f | 7.455 | 109089 | 53574 | 0.491 | 0.164 # |
| 8) Heptachlo... | 7.227 | 7.910 | 1281800 | 69394 | 6.254 | 0.233 # |
| 9) trans-Chl... | 7.352f | 8.022 | 647811 | 1954958 | 3.108 | 6.453 # |
| 10) cis-Chlor... | 7.429 | 8.161 | 236000 | 329724 | 1.152 | 1.136 # |
| 11) Endosulfa... | 7.533 | 8.200 | 3297743 | 264571 | 17.057 | 0.974 # |
| 12) 4,4'-DDE | 7.475 | 8.256 | 1840887 | 6520285 | 9.339 | 22.771 # ^{P-11} |
| 13) Dieldrin | 7.683 | 8.397 | 220089 | 5364619 | 1.036 | 18.032 # |
| 14) Endrin | 0.000 | 8.624 | 0 | 512059 | N.D. | 2.236 # |
| 15) 4,4'-DDD | 7.897 | 8.661 | 10788298 | 18055190 | 66.012 | 75.038 # |
| 16) Endosulfa... | 8.039f | 8.750 | 131840 | 376403 | 0.787 | 1.569 # |
| 17) 4,4'-DDT | 8.094 | 8.888 | 2201118 | 3572758 | 17.514 | 20.911 # |
| 18) Endrin Al... | 8.273f | 8.991 | 192319 | 255515 | 1.314 | 1.228 # |
| 19) Endosulfa... | 8.595 | 9.203 | 3151401 | 891869 | 19.165 | 3.917 # |
| 20) Methoxychlor | 8.467f | 9.390 | 722530 | 879938 | 10.957 | 10.265 # |
| 21) Endrin Ke... | 8.762f | 9.583 | 415478 | 660430 | 2.176 | 2.649 # |
| 23) Hexachlor... | 0.000 | 3.555f | 0 | 260641 | N.D. | 0.505 # |
| 24) Hexachlor... | 5.675 | 6.347 | 43922 | 91469 | BelowCal | 0.087 # |
| 25) Oxychlorane | 0.000 | 7.810 | 0 | 385154 | N.D. | 1.317 # |
| 26) 2,4'-DDE | 7.227 | 8.022 | 1281800 | 1954958 | 10.407 | 10.485 # |
| 27) trans-Non... | 7.429 | 8.114 | 236000 | 147948 | 1.000 | 0.305 # |
| 28) 2,4'-DDD | 7.597 | 8.397 | 3339255 | 5364619 | 31.017 | 32.155 # |
| 29) 2,4'-DDT | 7.776 | 8.624 | 240186 | 512059 | 2.215m ^{P-02} | 3.478 # ^{P-11} |
| 30) cis-Nonac... | 7.897 | 8.661 | 10788298 | 18055190 | 52.539 | 58.898 # |
| 31) Mirex | 8.538 | 9.583 | 363200 | 660430 | 2.374 | 3.459 # |
| 32) Chlordane... | 7.352 | 8.070 | 647811 | 76110 | 27.753 | 1.932 # |
| 33) Chlordane... | 7.475 | 8.200 | 1840887 | 264571 | 69.330 | 8.079 # |
| 34) Chlordane... | 8.039f | 0.000 | 131840 | 0 | 18.136 | N.D. # |
| 35) Chlordane... | 3.690f | 3.671f | 26838 | 46107 | NoCal | NoCal # |
| 36) Toxaphene... | 7.475 | 8.461f | 1840887 | 93045 | 1771.461 | 33.084 # |
| 37) Toxaphene... | 7.774f | 8.799 | 240108 | 16461417 | 126.197 | 4605.718 # |
| 38) Toxaphene... | 8.039f | 8.799 | 131840 | 16461417 | 32.341 | 2948.214 # |
| 39) Toxaphene... | 8.326f | 8.888 | 176646 | 3572758 | 44.969 | 422.291 # |
| 40) Toxaphene... | 8.538 | 9.052 | 363200 | 118321 | 118.403 | 23.943 # |
| 41) Toxaphene... | 8.595 | 9.457 | 3151401 | 5523146 | 786.730 | 1021.946 # |
| 42) Toxaphene... | 3.690f | 3.671 | 26838 | 46107 | NoCal | NoCal # |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 16:17:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

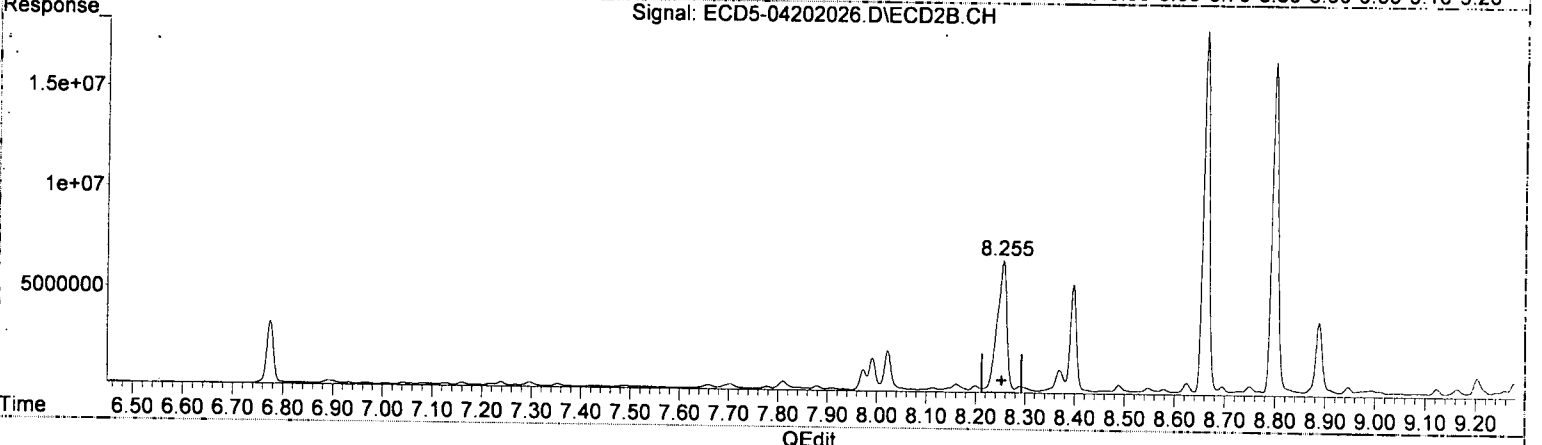
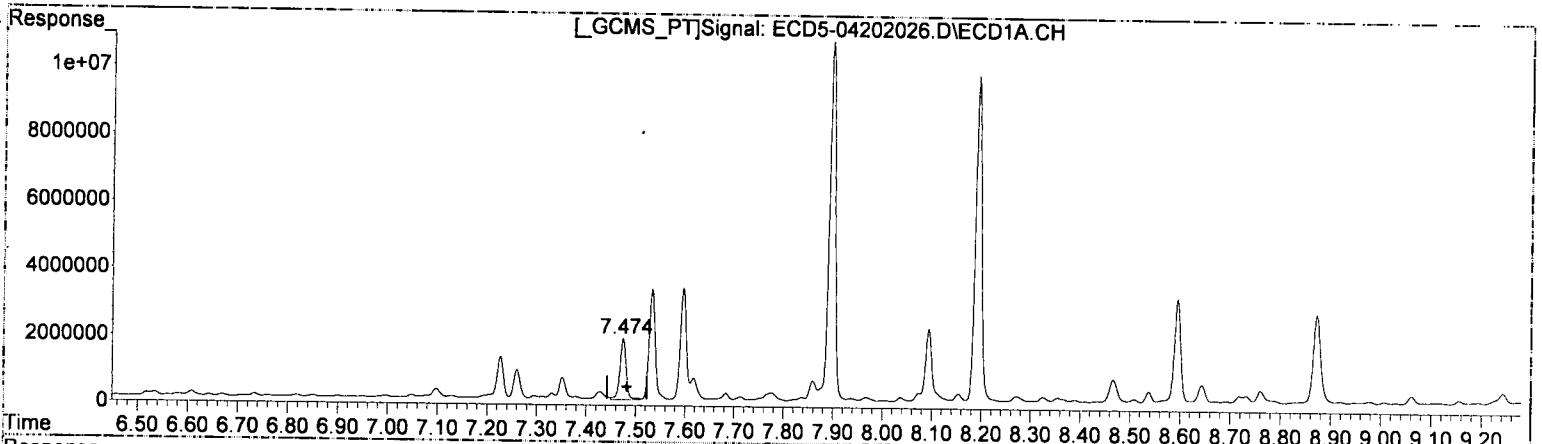


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(12) 4,4'-DDE
7.475min 9.339 ng/mL
response 1840887

MJB
4/21/20

P-11

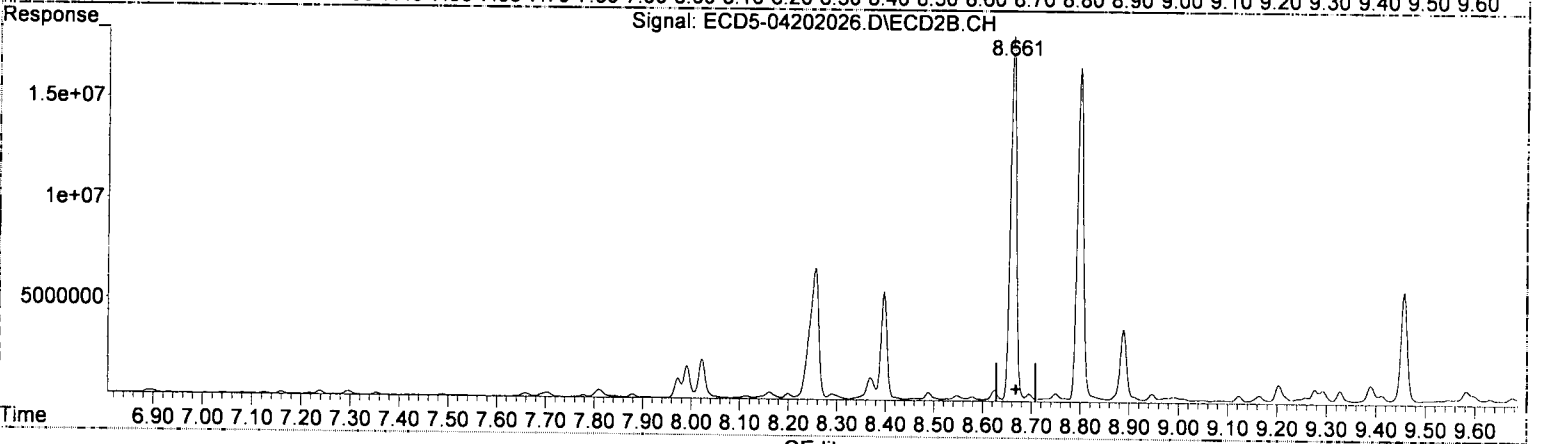
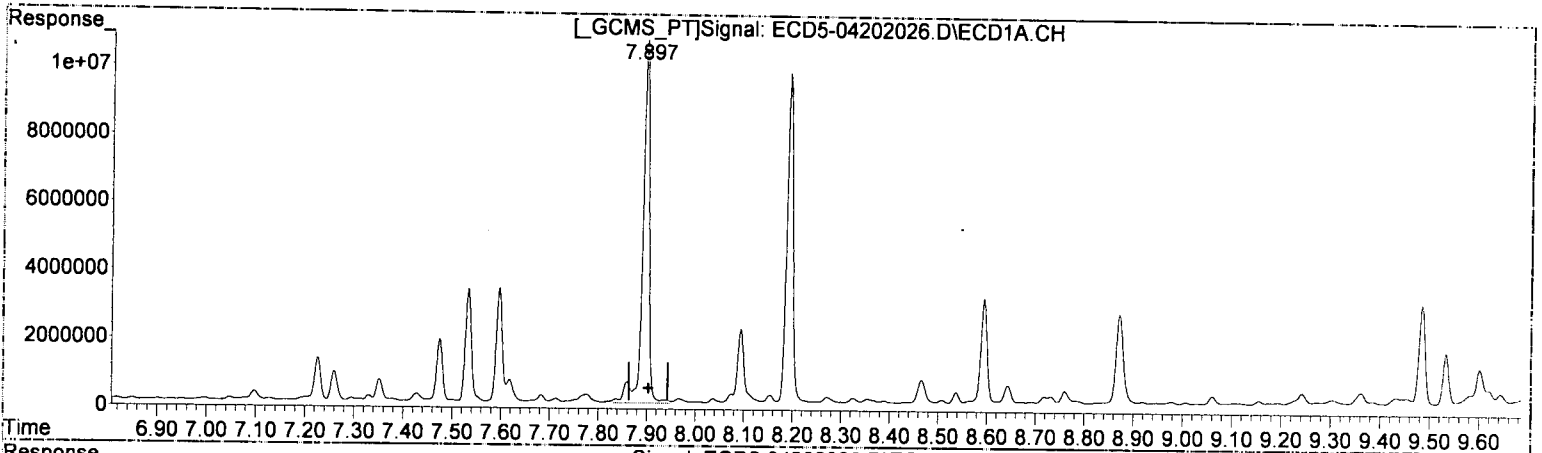
(12) 4,4'-DDE #2
8.256min 22.771 ng/mL
response 6520285

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(15) 4,4'-DDD
7.897min 66.012 ng/mL
response 10788298

WB
4/21/20

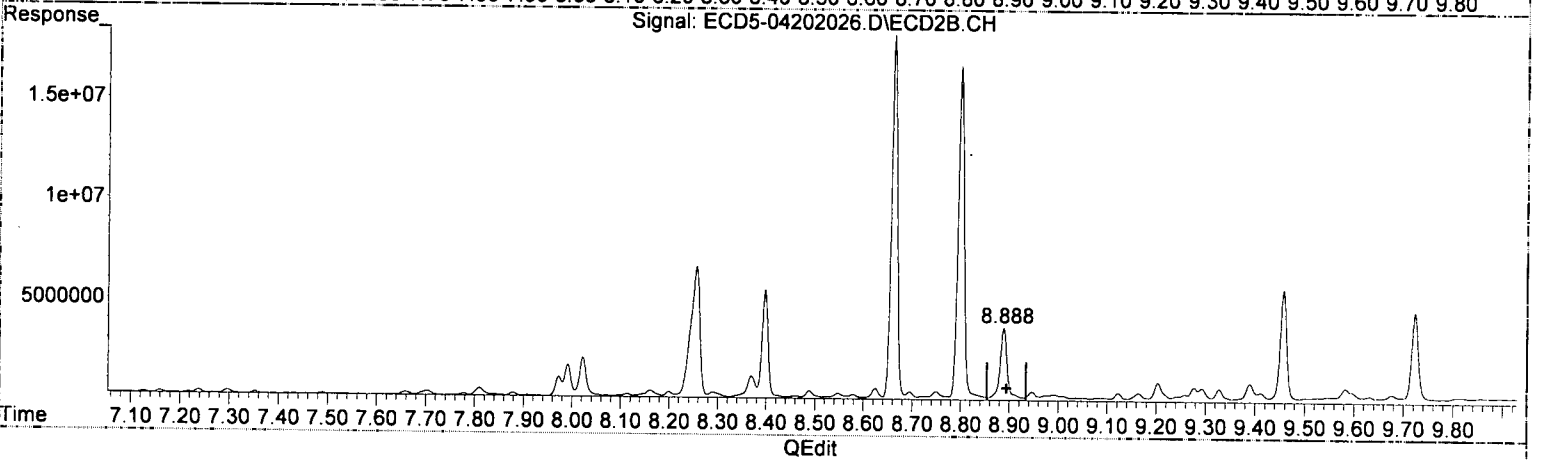
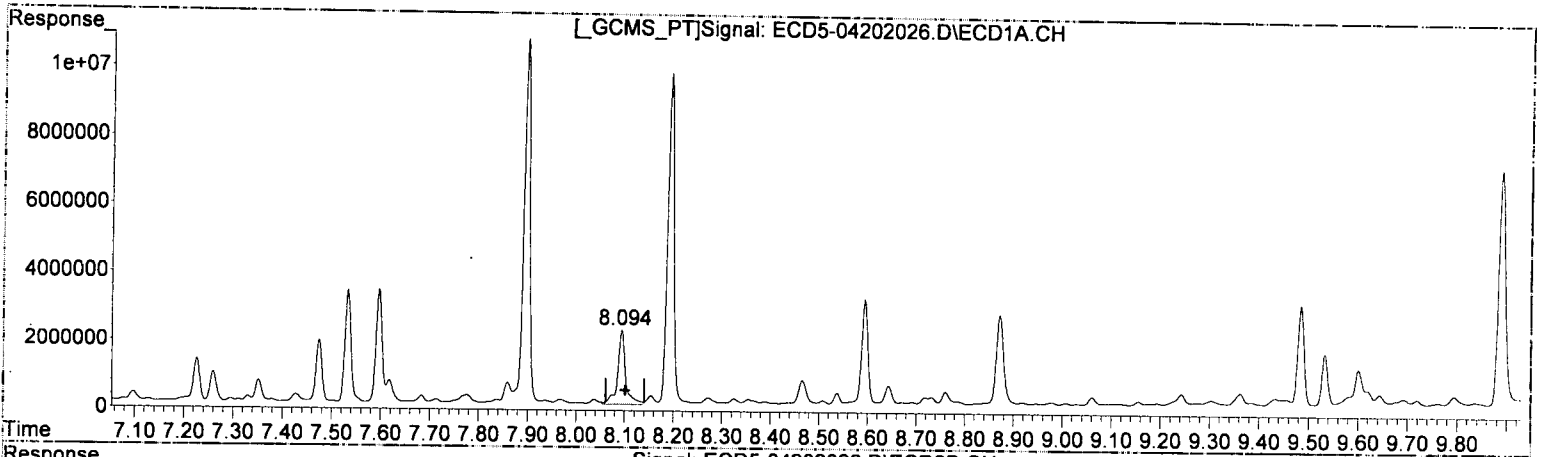
(15) 4,4'-DDD #2
8.661min 75.038 ng/mL
response 18055190

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : AOD0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT
8.094min 17.514 ng/mL
response 2201118

MJB
4/21/20

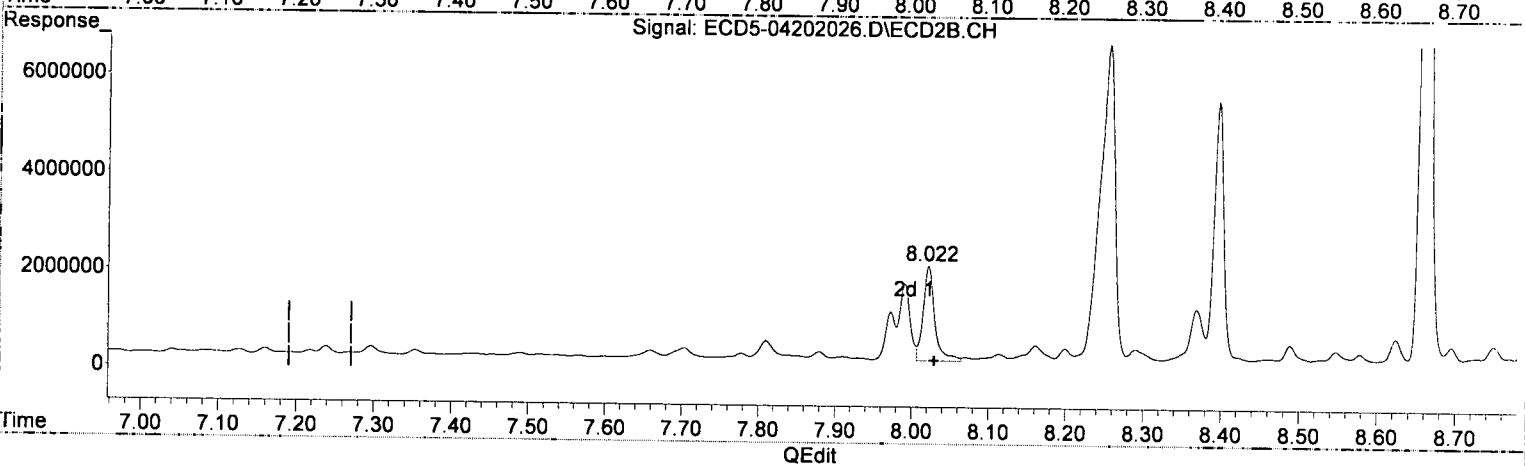
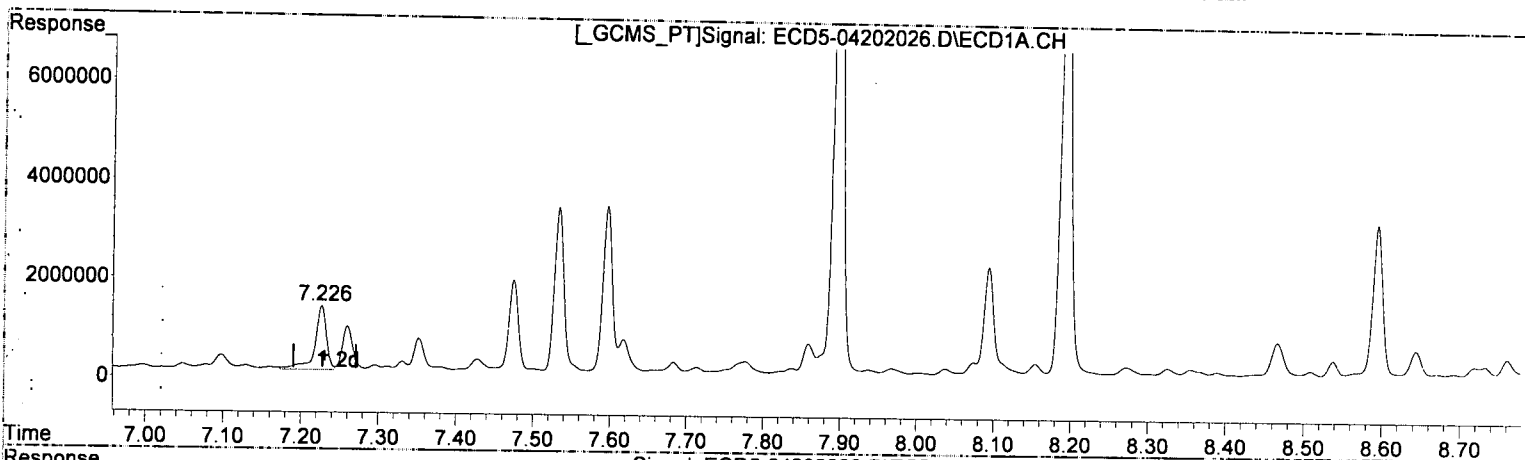
(17) 4,4'-DDT #2
8.888min 20.911 ng/mL
response 3572758

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(26) 2,4'-DDE

7.227min 10.407 ng/mL
response 1281800

MJB
4/24/20

(26) 2,4'-DDE #2

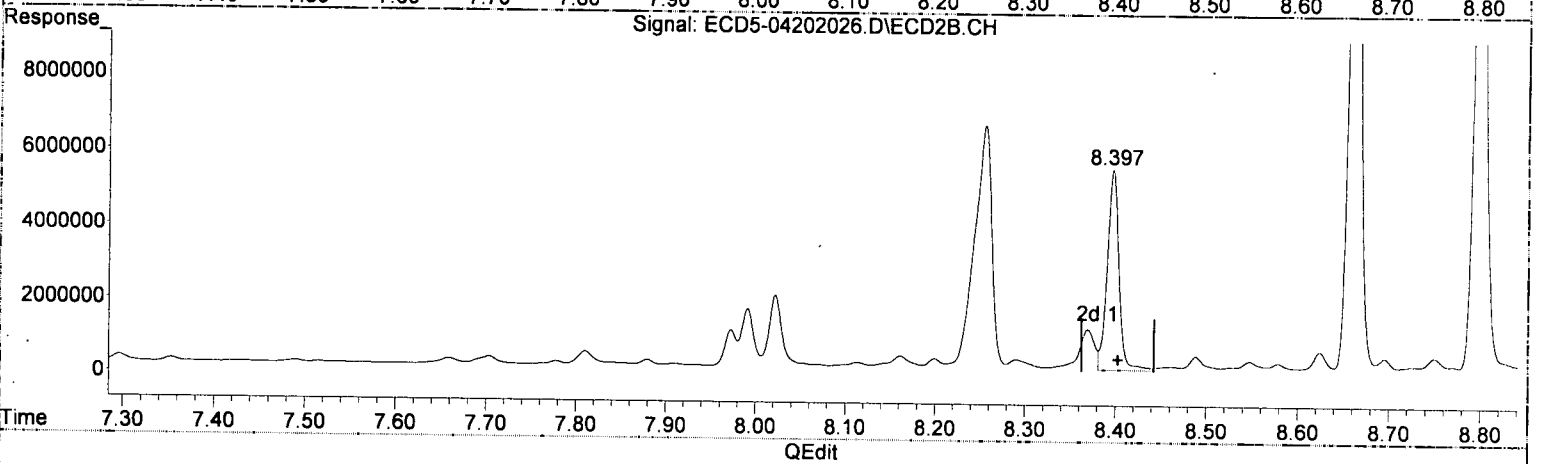
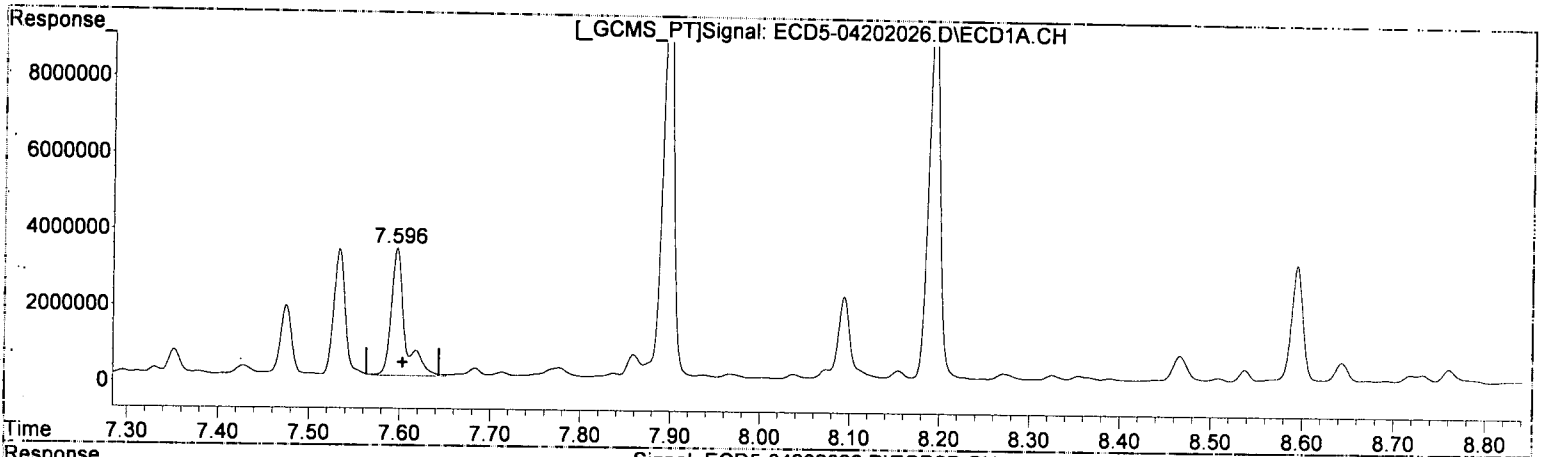
8.022min 10.485 ng/mL
response 1954958

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD

7.597min 31.017 ng/mL
response 3339255

MJB
4/21/20

(28) 2,4'-DDD #2

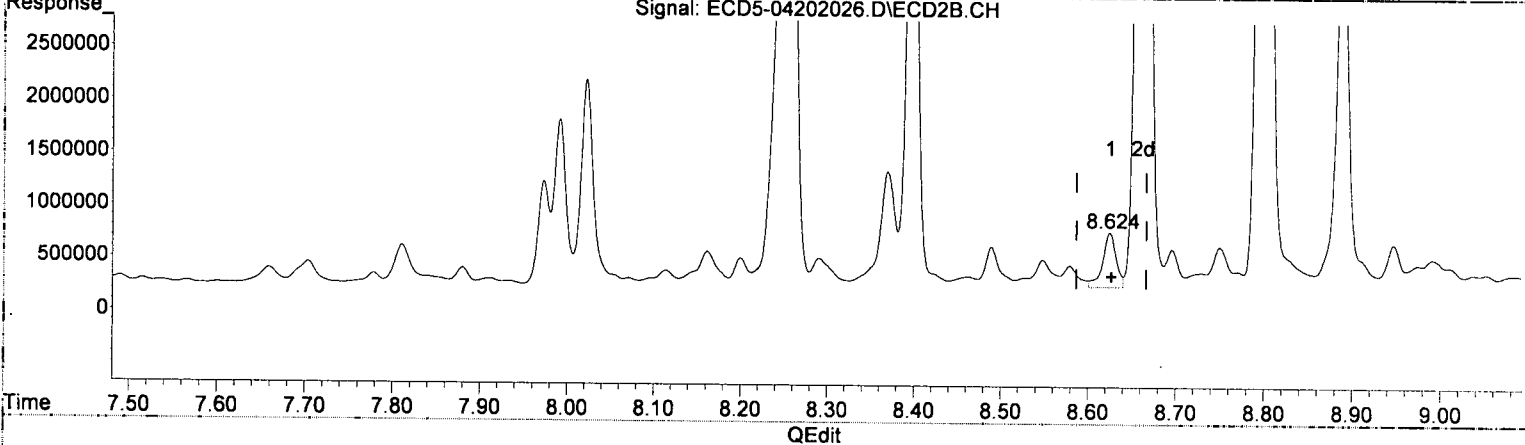
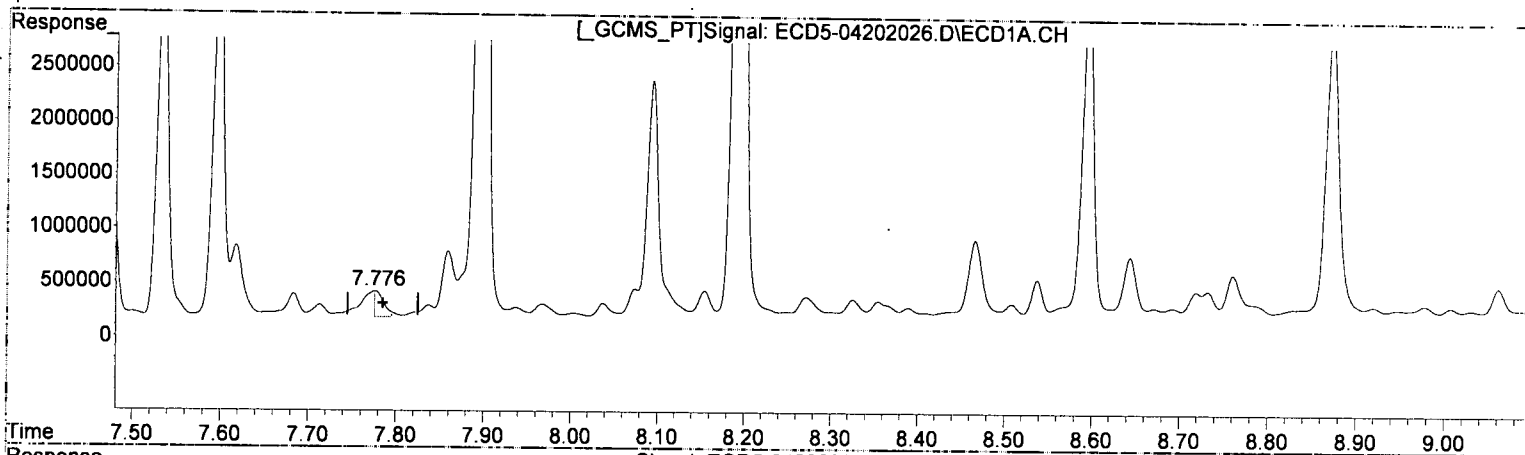
8.397min 32.155 ng/mL
response 5364619

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 19:30
 Operator : MJB
 Sample : AOD0212-06RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(29) 2,4'-DDT

7.776min 2.215 ng/mL *R-02*
 response 240186

MJB
4/24/20

(29) 2,4'-DDT #2

8.624min 3.478 ng/mL *R-01*
 response 512059

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 19:30
 Operator : MJB
 Sample : A0D0212-06RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJ
MJB
4/21/20

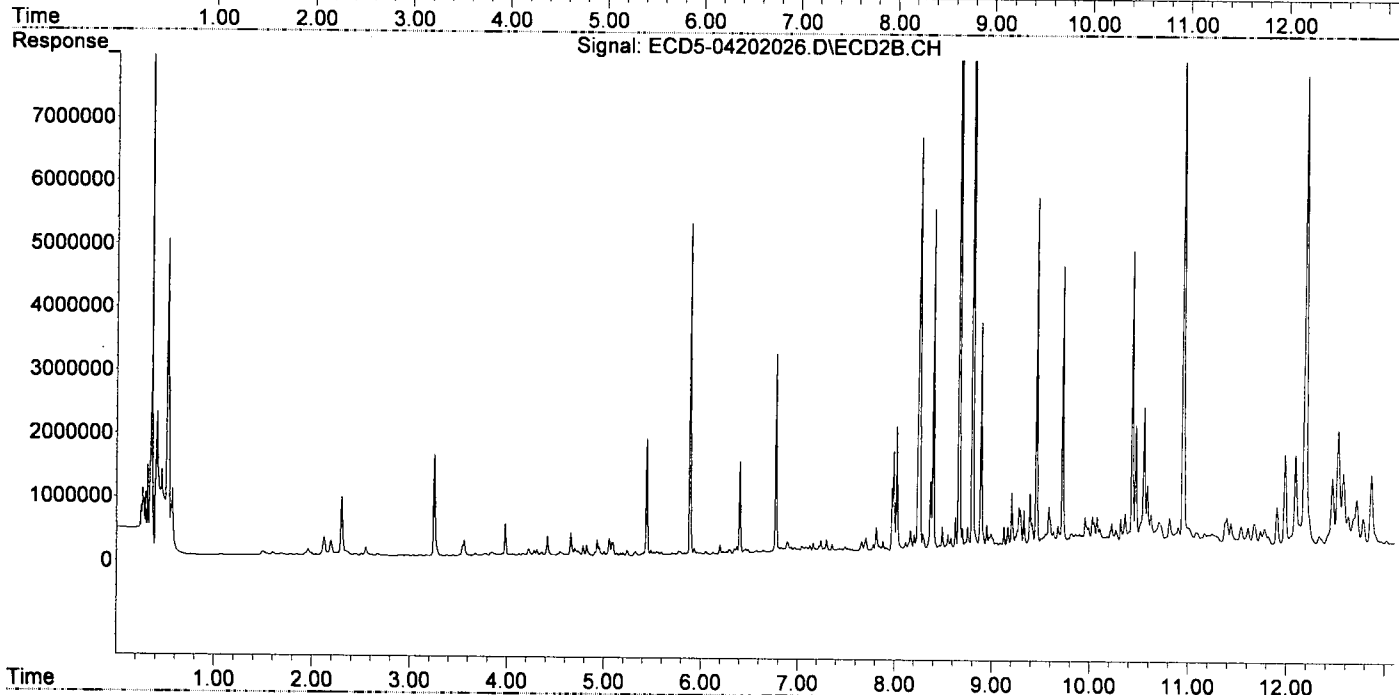
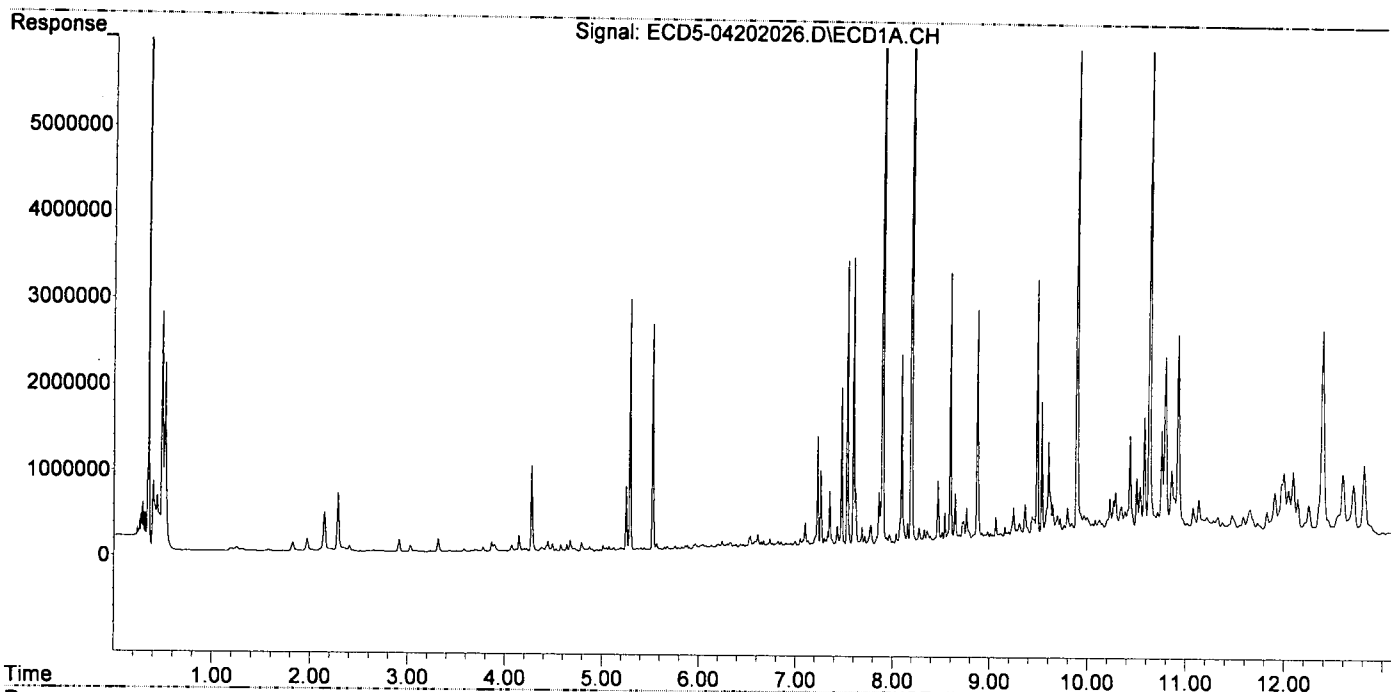
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.887 | 2896650 | 5196929 | 14.993 | 18.181 |
| 22) S DCBP (S) | 9.485 | 10.433 | 3063432 | 4659361 | 20.452 | 27.436 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 6.488 | 0 | 71259 | N.D. | 0.176 # |
| 3) g-BHC | 6.129 | 6.830 | 41289 | 96037 | 0.181 | 0.271 # |
| 4) b-BHC | 6.201 | 6.892 | 52786 | 187073 | 0.552 | 1.247 # |
| 5) Heptachlor | 6.531 | 7.193 | 135102 | 65458 | 0.606 | 0.195 # |
| 6) d-BHC | 6.327 | 7.127 | 64047 | 123009 | 0.328 | 0.377 # |
| 7) Aldrin | 6.734f | 7.455 | 109089 | 53574 | 0.491 | 0.164 # |
| 8) Heptachlo... | 7.227 | 7.910 | 1281800 | 69394 | 6.254 | 0.233 # |
| 9) trans-Chl... | 7.352f | 8.022 | 647811 | 1954958 | 3.108 | 6.453 # |
| 10) cis-Chlor... | 7.429 | 8.161 | 236000 | 329724 | 1.152 | 1.136 # |
| 11) Endosulfa... | 7.533 | 8.200 | 3297743 | 264571 | 17.057 | 0.974 # |
| 12) 4,4'-DDE | 7.475 | 8.256 | 1840887 | 6520285 | 9.339 | 22.771 # |
| 13) Dieldrin | 7.683 | 8.397 | 220089 | 5364619 | 1.036 | 18.032 # |
| 14) Endrin | 0.000 | 8.624 | 0 | 512059 | N.D. | 2.236 # |
| 15) 4,4'-DDD | 7.897 | 8.661 | 10788298 | 18055190 | 66.012 | 75.038 # |
| 16) Endosulfa... | 8.039f | 8.750 | 131840 | 376403 | 0.787 | 1.569 # |
| 17) 4,4'-DDT | 8.094 | 8.888 | 2201118 | 3572758 | 17.514 | 20.911 # |
| 18) Endrin Al... | 8.273f | 8.901 | 192319 | 255515 | 1.314 | 1.228 # |
| 19) Endosulfa... | 8.595 | 9.203 | 3151401 | 891869 | 19.165 | 3.917 # |
| 20) Methoxychlor | 8.467f | 9.390 | 722530 | 879938 | 10.957 | 10.265 # |
| 21) Endrin Ke... | 8.762f | 9.583 | 415478 | 660430 | 2.176 | 2.649 # |
| 23) Hexachlor... | 0.000 | 3.555f | 0 | 260641 | N.D. | 0.505 # |
| 24) Hexachlor... | 5.675 | 6.347 | 43922 | 91469 | BelowCal | 0.087 # |
| 25) Oxychlorane | 0.000 | 7.810 | 0 | 385154 | N.D. | 1.317 # |
| 26) 2,4'-DDE | 7.227 | 8.022 | 1281800 | 1954958 | 10.407 | 10.485 # |
| 27) trans-Non... | 7.429 | 8.114 | 236000 | 147948 | 1.000 | 0.305 # |
| 28) 2,4'-DDD | 7.597 | 8.397 | 3339255 | 5364619 | 31.017 | 32.155 # |
| 29) 2,4'-DDT | 7.774 | 8.624 | 240108 | 512059 | 2.214 | 3.478 # |
| 30) cis-Nonac... | 7.897 | 8.661 | 10788298 | 18055190 | 52.539 | 58.898 # |
| 31) Mirex | 8.538 | 9.583 | 363200 | 660430 | 2.374 | 3.459 # |
| 32) Chlordane... | 7.352 | 8.070 | 647811 | 76110 | 27.753 | 1.932 # |
| 33) Chlordane... | 7.475 | 8.200 | 1840887 | 264571 | 69.330 | 8.079 # |
| 34) Chlordane... | 8.039f | 0.000 | 131840 | 0 | 18.136 | N.D. # |
| 35) Chlordane... | 3.690f | 3.671f | 26838 | 46107 | NoCal | NoCal # |
| 36) Toxaphene... | 7.475 | 8.461f | 1840887 | 93045 | 1771.461 | 33.084 # |
| 37) Toxaphene... | 7.774f | 8.799 | 240108 | 16461417 | 126.197 | 4605.718 # |
| 38) Toxaphene... | 8.039f | 8.799 | 131840 | 16461417 | 32.341 | 2948.214 # |
| 39) Toxaphene... | 8.326f | 8.888 | 176646 | 3572758 | 44.969 | 422.291 # |
| 40) Toxaphene... | 8.538 | 9.052 | 363200 | 118321 | 118.403 | 23.943 # |
| 41) Toxaphene... | 8.595 | 9.457 | 3151401 | 5523146 | 786.730 | 1021.946 # |
| 42) Toxaphene... | 3.690f | 3.671 | 26838 | 46107 | NoCal | NoCal # |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 19:30
Operator : MJB
Sample : A0D0212-06RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 20:08
 Operator : MJB
 Sample : AOD0212-07RE1(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

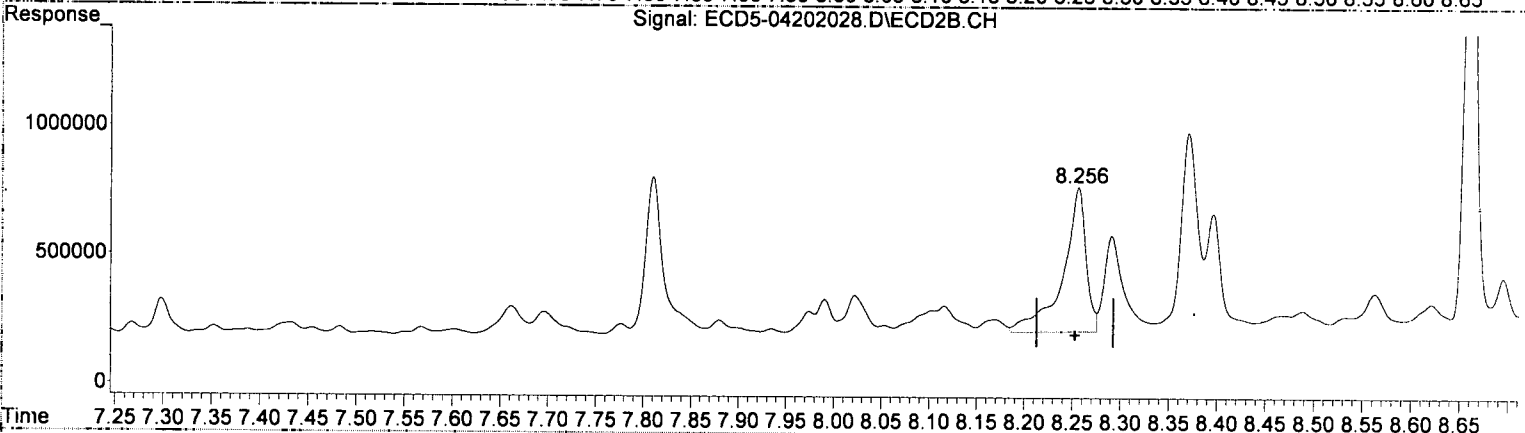
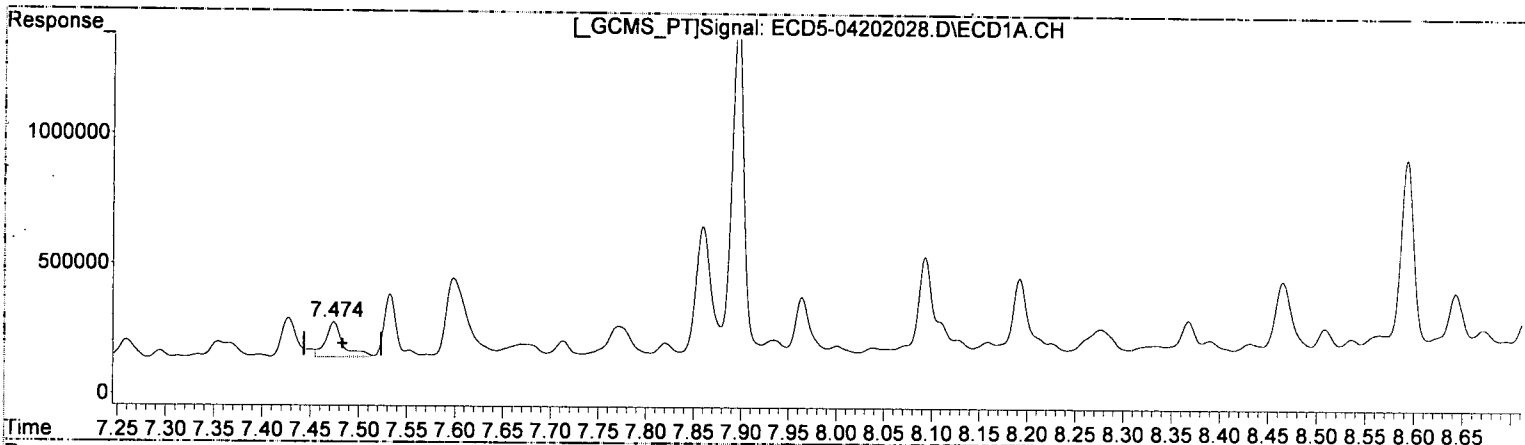
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|-----------|--------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.887 | 3771709 | 6640996 | 19.523 | 23.233 |
| 22) S DCBP (S) | 9.484 | 10.432 | 3360724 | 4718729 | 22.453 | 27.785 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.821 | 6.489 | 29213 | 22403 | 0.111 | 0.055 # |
| 3) g-BHC | 6.120 | 6.838 | 10860 | 29500 | 0.047 | 0.083 # |
| 4) b-BHC | 6.204 | 6.890 | 36544 | 55174 | 0.382 | 0.368 |
| 5) Heptachlor | 6.536 | 7.218f | 57171 | 55512 | 0.257 | 0.166 # |
| 6) d-BHC | 6.362f | 7.124 | 23037 | 49089 | 0.118 | 0.150 # |
| 7) Aldrin | 6.735f | 7.454 | 84945 | 29840 | 0.383 | 0.092 # |
| 8) Heptachlo... | 7.225 | 7.880 | 113986 | 52016 | 0.556 | 0.175 # |
| 9) trans-Chl... | 7.294f | 8.022 | 31734 | 146189 | 0.152 | 0.483 # |
| 10) cis-Chlor... | 7.427 | 8.169f | 151901 | 50064 | 0.742 | 0.173 # |
| 11) Endosulfa... | 7.532 | 8.169f | 239157 | 50064 | 1.237 | 0.184 # |
| 12) 4,4'-DDE | 7.474 | 8.256 | 134719 | 562301 | 0.683 | 1.964 # 7-01 |
| 13) Dieldrin | 7.671 | 8.396 | 43135 | 454844 | 0.203 | 1.529 # |
| 14) Endrin | 7.860 | 8.622 | 492152 | 97523 | 2.879 | 0.426 # |
| 15) 4,4'-DDD | 7.896 | 8.661 | 1286176 | 2094269 | 7.870 | 8.704 |
| 16) Endosulfa... | 8.001 | 8.757 | 27883 | 463993 | 0.166 | 1.934 # |
| 17) 4,4'-DDT | 8.093 | 8.888 | 367392 | 481021 | 2.983 | 3.018 |
| 18) Endrin Al... | 8.277f | 9.013 | 85233 | 107187 | 0.582 | 0.515 |
| 19) Endosulfa... | 8.593 | 9.203 | 727223 | 366333 | 4.423 | 1.609 # |
| 20) Methoxychlor | 8.432 | 9.390 | 25462 | 409670 | 0.222 | 4.795 # |
| 21) Endrin Ke... | 8.762f | 9.581 | 405534 | 357153 | 2.124 | 1.433 # |
| 23) Hexachlor... | 3.086 | 3.556f | 11580 | 250886 | 11064.647 | 0.478 # |
| 24) Hexachlor... | 5.673 | 6.347 | 51176 | 110758 | 0.006 | 0.157 # |
| 25) Oxychlorthane | 7.129f | 7.810 | 73594 | 610969 | 0.179 | 2.245 # |
| 26) 2,4'-DDE | 7.225 | 8.022 | 113986 | 146189 | 0.734 | 0.594 |
| 27) trans-Non... | 7.397 | 8.116 | 12130 | 102504 | BelowCal | 0.137 |
| 28) 2,4'-DDD | 7.599 | 8.396 | 298961 | 454844 | 2.541 | 2.546 |
| 29) 2,4'-DDT | 7.772 | 8.622 | 109548 | 97523 | 0.902 | 0.516 # |
| 30) cis-Nonac... | 7.896 | 8.661 | 1286176 | 2094269 | 6.131 | 7.013 |
| 31) Mirex | 8.536 | 9.581 | 38507 | 357153 | 5765.063 | 1.668 # |
| 32) Chlordane... | 7.356 | 0.000 | 62694 | 0 | 2.686 | N.D. # |
| 33) Chlordane... | 7.474 | 8.169 | 134719 | 50064 | 5.074 | 1.529 # |
| 34) Chlordane... | 8.001 | 8.841 | 27883 | 40388 | 3.836 | 3.947 |
| 35) Chlordane... | 3.647f | 3.671f | 17806 | 44044 | NoCal | NoCal |
| 36) Toxaphene... | 7.474 | 8.396f | 134719 | 454844 | 129.638 | 161.729 |
| 37) Toxaphene... | 7.772f | 8.799 | 109548 | 462048 | 56.006 | 129.276 # |
| 38) Toxaphene... | 8.039f | 8.799 | 20689 | 462048 | 5.075 | 82.752 # |
| 39) Toxaphene... | 8.277f | 8.888 | 85233 | 481021 | 21.698 | 54.559 # |
| 40) Toxaphene... | 8.536 | 9.053 | 38507 | 85958 | 12.553 | 17.395 # |
| 41) Toxaphene... | 8.593 | 9.456 | 727223 | 1354625 | 181.547 | 250.646 # |
| 42) Toxaphene... | 3.647 | 3.671 | 17806 | 44044 | NoCal | NoCal |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 20:08
Operator : MJB
Sample : A0D0212-07RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(12) 4,4'-DDE
7.474min 0.683 ng/mL
response 134719

MJB
4/21/20

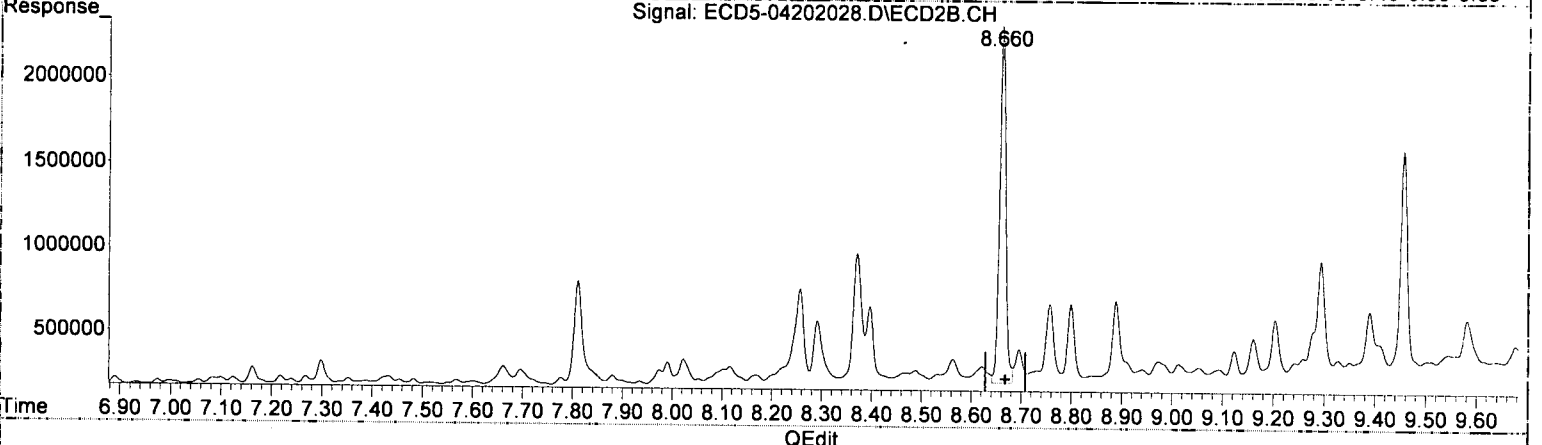
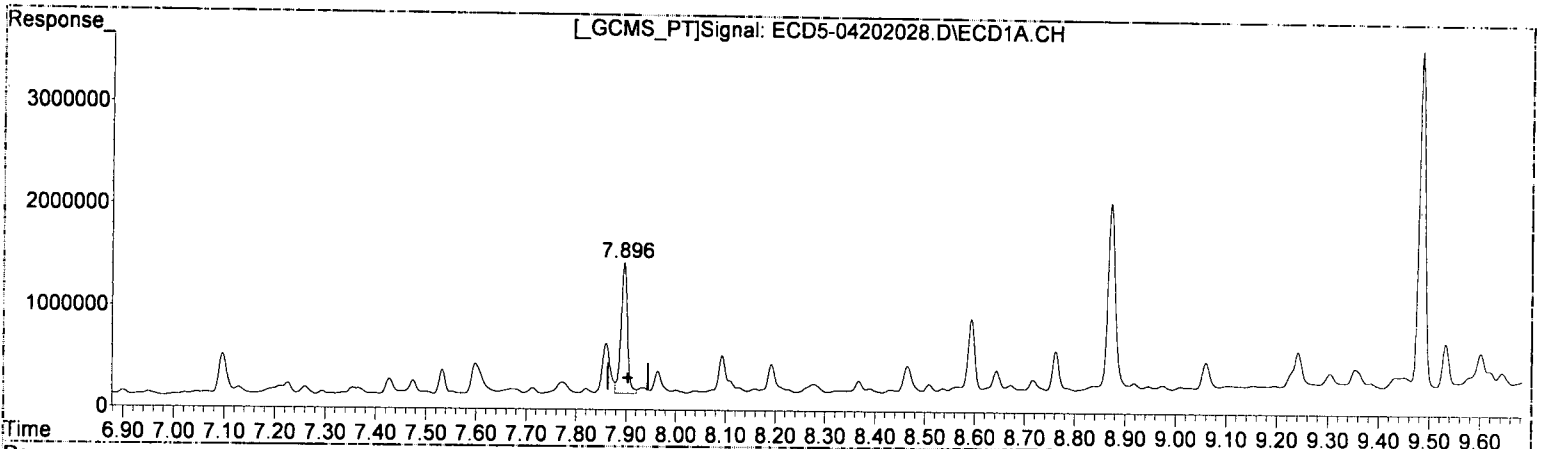
(12) 4,4'-DDE #2
8.256min 1.964 ng/mL (1.0)
response 562301

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 20:08
Operator : MJB
Sample : A0D0212-07RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



QEdit

(15) 4,4'-DDD
7.896min 7.870 ng/mL
response 1286176

MJB
4/21/20

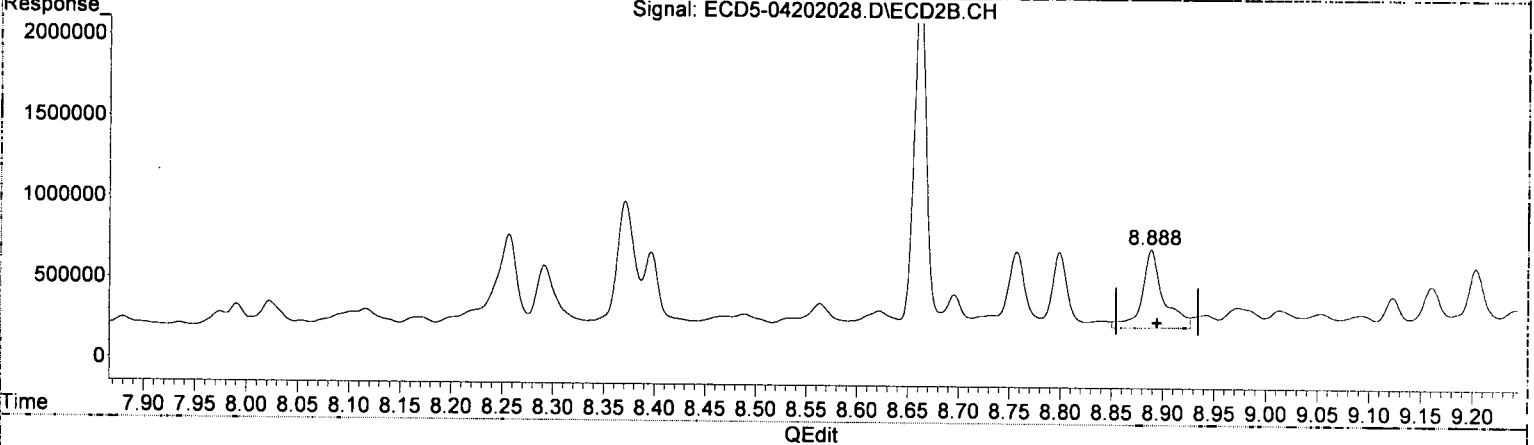
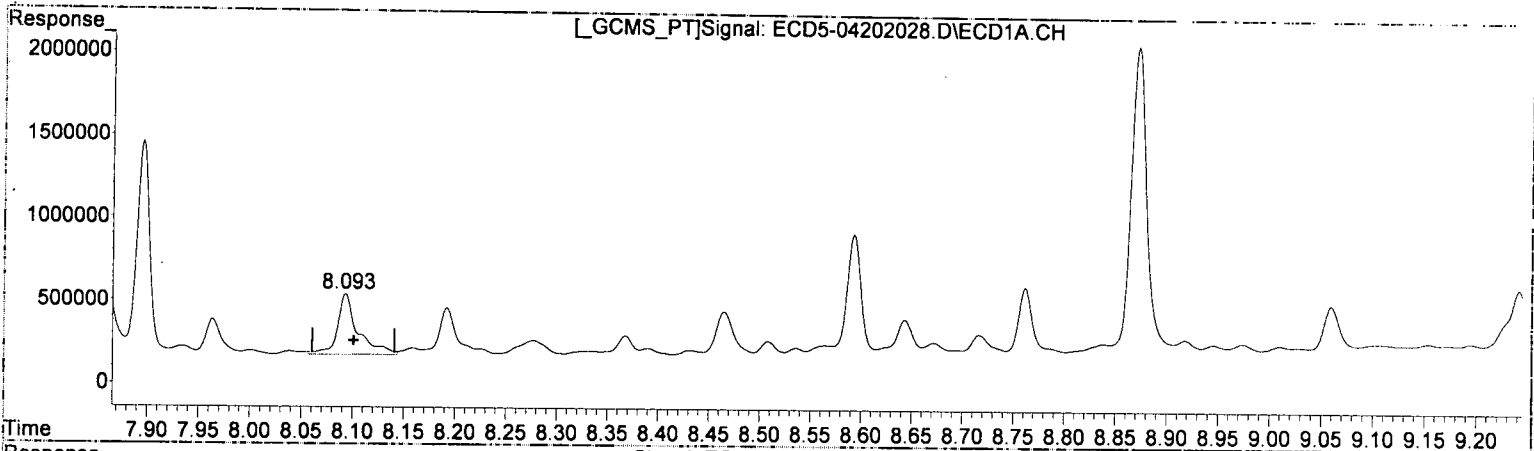
(15) 4,4'-DDD #2
8.661min 8.704 ng/mL
response 2094269

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 20:08
 Operator : MJB
 Sample : A0D0212-07RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(17) 4,4'-DDT
 8.093min (2.983 ng/mL)
 response 367392

MJB
 4/21/20

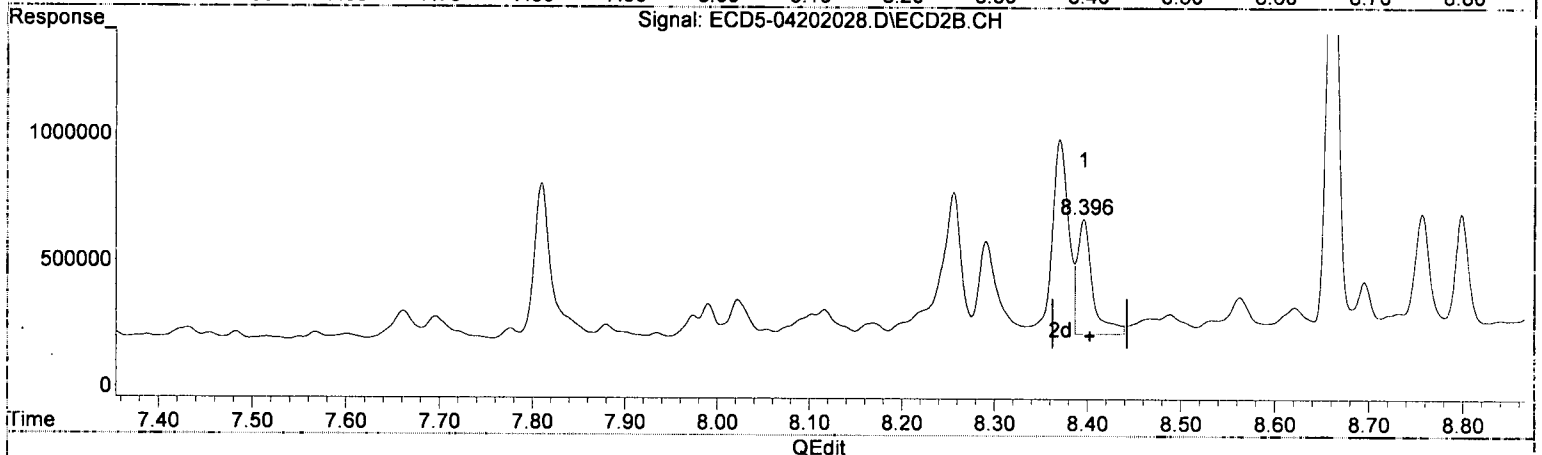
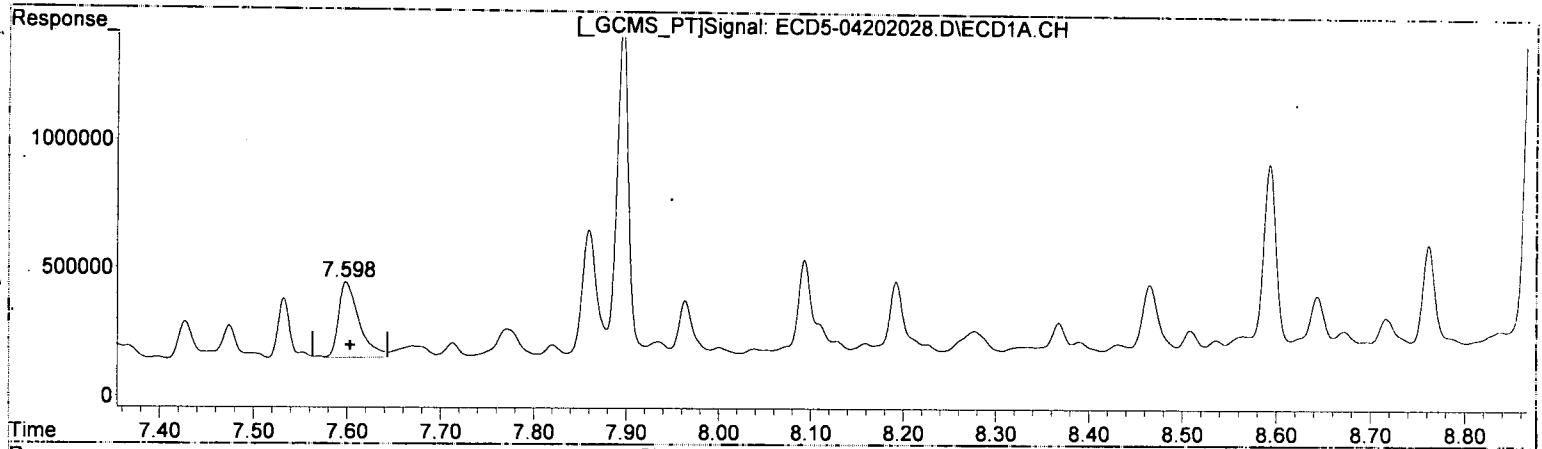
(17) 4,4'-DDT #2
 8.888min 3.018 ng/mL
 response 481021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 20:08
Operator : MJB
Sample : AOD0212-07RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(28) 2,4'-DDD
7.599min 2.541 ng/mL
response 298961

MJB
4/21/20

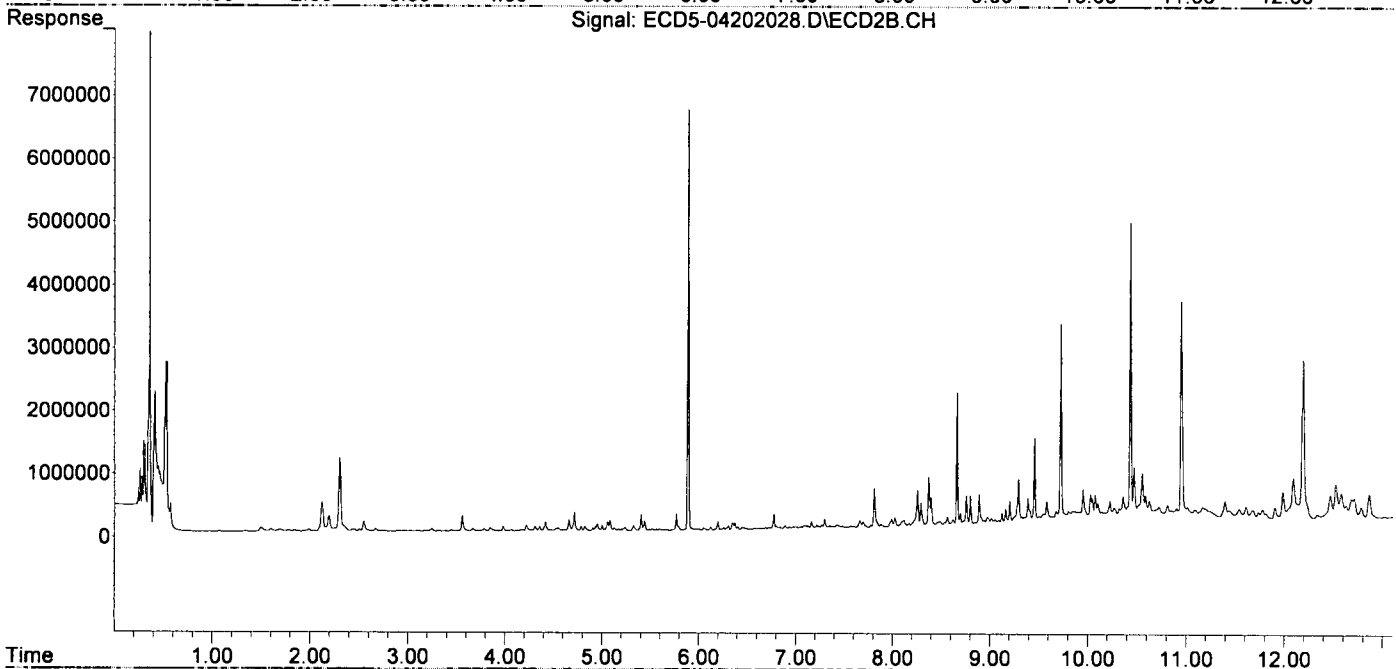
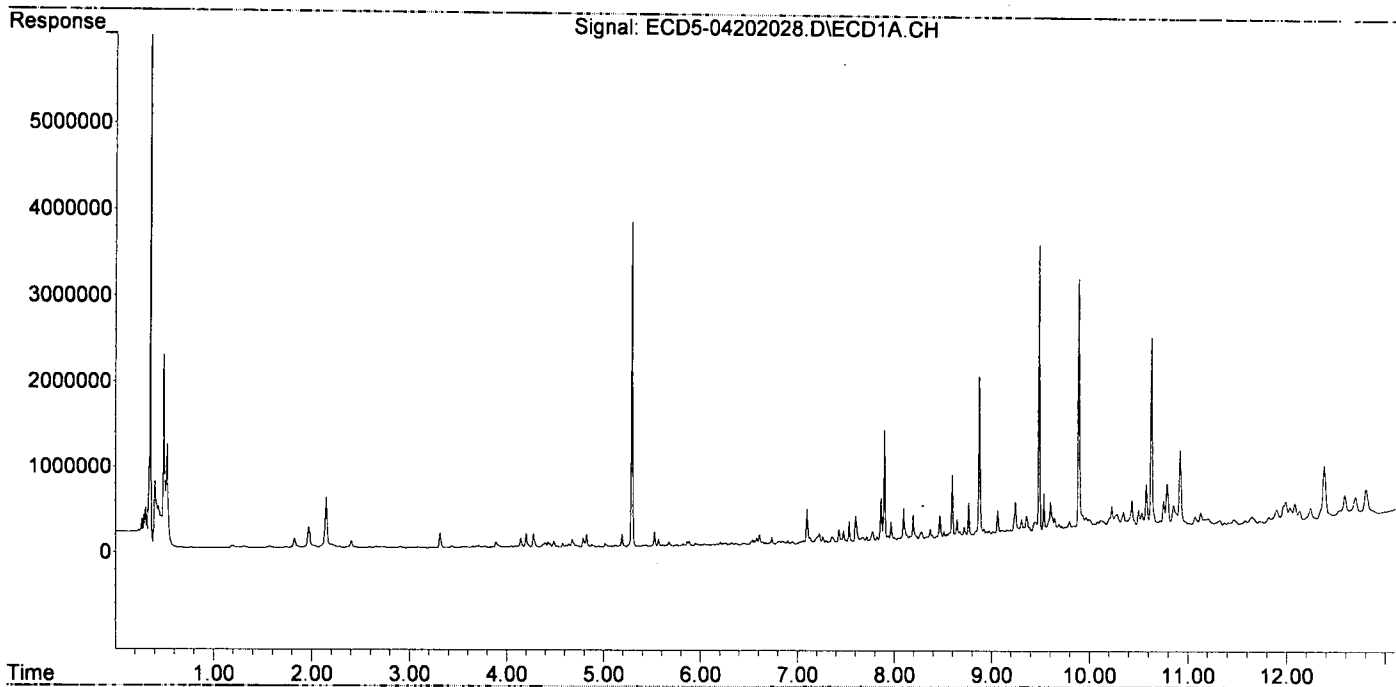
(28) 2,4'-DDD #2
8.396min 2.546 ng/mL
response 454844

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 20:08
Operator : MJB
Sample : A0D0212-07RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 20:46
 Operator : MJB
 Sample : 0D20044-CCV5
 Misc : A20C183, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

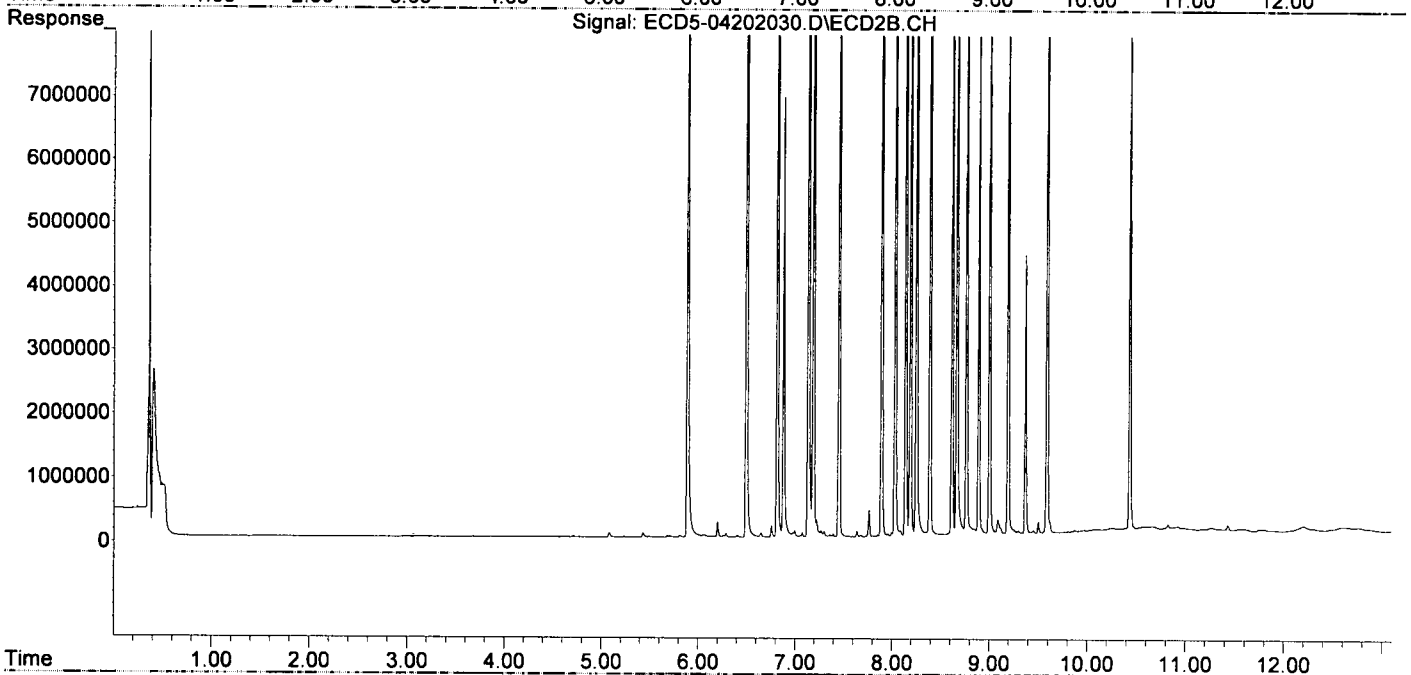
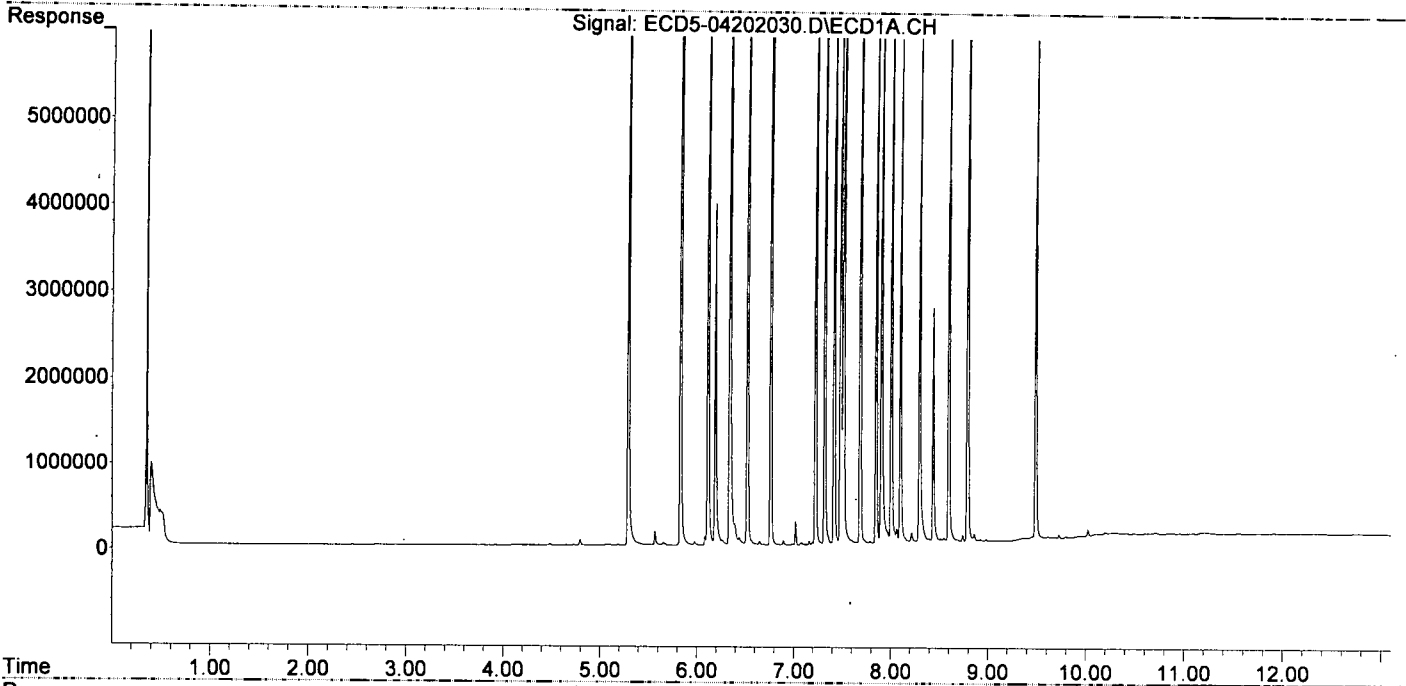
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.290 | 5.887 | 8589608 | 13717687 | 44.461 | 47.989 |
| 22) S DCBP (S) | 9.486 | 10.433 | 7142133 | 9453604 | 47.896 | 55.665 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.829 | 6.496 | 12387738 | 21682885 | 47.068 | 53.511 |
| 3) g-BHC | 6.111 | 6.814 | 10987511 | 18500509 | 48.034 | 52.296 |
| 4) b-BHC | 6.187 | 6.879 | 3906064 | 6900400 | 40.829 | 45.992 |
| 5) Heptachlor | 6.520 | 7.187 | 10538664 | 17785414 | 47.304 | 53.068 |
| 6) d-BHC | 6.337 | 7.134 | 8855330 | 16346176 | 45.383 | 50.057 |
| 7) Aldrin | 6.760 | 7.452 | 10647818 | 17899733 | 47.958 | 54.928 |
| 8) Heptachlo... | 7.222 | 7.891 | 9392104 | 15865481 | 45.826 | 53.303 |
| 9) trans-Chl... | 7.317 | 8.031 | 9704982 | 15656603 | 46.555 | 51.681 |
| 10) cis-Chlor... | 7.414 | 8.139 | 9463694 | 15481907 | 46.213 | 53.354 |
| 11) Endosulfa... | 7.511 | 8.188 | 9116943 | 13938364 | 47.155 | 51.297 |
| 12) 4,4'-DDE | 7.480 | 8.249 | 8826479 | 14594655 | 44.779 | 50.970 |
| 13) Dieldrin | 7.683 | 8.389 | 10491933 | 16505585 | 49.383 | 55.479 |
| 14) Endrin | 7.847 | 8.616 | 8177213 | 12267282 | 47.840 | 53.573 |
| 15) 4,4'-DDD | 7.901 | 8.665 | 6935396 | 12348799 | 42.436 | 51.322 |
| 16) Endosulfa... | 8.004 | 8.764 | 7565764 | 12447753 | 45.156 | 51.887 |
| 17) 4,4'-DDT | 8.097 | 8.890 | 5989647 | 9189388 | 45.509 | 49.543 |
| 18) Endrin Al... | 8.294 | 9.001 | 6206539 | 10164118 | 42.402 | 48.865 |
| 19) Endosulfa... | 8.595 | 9.191 | 7733197 | 11546542 | 47.029 | 50.711 |
| 20) Methoxychlor | 8.435 | 9.370 | 2730190 | 4343026 | 40.521 | 47.037 |
| 21) Endrin Ke... | 8.789 | 9.590 | 9267902 | 14142341 | 48.531 | 56.724 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.650f | 0.000 | 35077 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 7.158 | 7.820 | 47601 | 8596 | 0.025 | BelowCal # |
| 26) 2,4'-DDE | 7.222 | 8.031 | 9392104 | 15656603 | 75.929 | 79.738 |
| 27) trans-Non... | 7.414 | 8.086 | 9463694 | 83246 | 49.875 | 0.066 # |
| 28) 2,4'-DDD | 0.000 | 8.389 | 0 | 16505585 | N.D. | 94.307 # |
| 29) 2,4'-DDT | 7.783 | 8.616 | 29615 | 12267282 | 0.096 | 75.837 # |
| 30) cis-Nonac... | 7.901f | 8.665 | 6935396 | 12348799 | 33.846 | 40.947 |
| 31) Mirex | 8.545 | 9.590 | 55251 | 14142341 | 0.021 | 78.918 # |
| 32) Chlordane... | 0.000 | 8.086 | 0 | 83246 | N.D. | 2.113 # |
| 33) Chlordane... | 7.480f | 8.188 | 8826479 | 13938364 | 332.418 | 425.615 # |
| 34) Chlordane... | 8.004 | 8.852 | 7565764 | 86551 | 1040.732 | 8.458 # |
| 35) Chlordane... | 3.694f | 3.673f | 4622 | 6712 | NoCal | NoCal |
| 36) Toxaphene... | 7.480f | 0.000 | 8826479 | 0 | 8493.605 | N.D. # |
| 37) Toxaphene... | 7.783f | 8.764 | 29615 | 12447753 | 13.323 | 3482.740 # |
| 38) Toxaphene... | 8.059 | 8.852f | 171969 | 86551 | 42.185 | 15.501 # |
| 39) Toxaphene... | 8.294 | 8.890 | 6206539 | 9189388 | 1580.023 | 1048.329 # |
| 40) Toxaphene... | 8.545 | 9.089f | 55251 | 220204 | 18.012 | 44.561 # |
| 41) Toxaphene... | 8.595 | 9.454 | 7733197 | 44494 | 1930.549 | 8.233 # |
| 42) Toxaphene... | 3.694f | 3.673 | 4622 | 6712 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 20:46
Operator : MJB
Sample : 0D20044-CCV5
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 21:03
 Operator : MJB
 Sample : 0D20044-CCV6
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:36 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

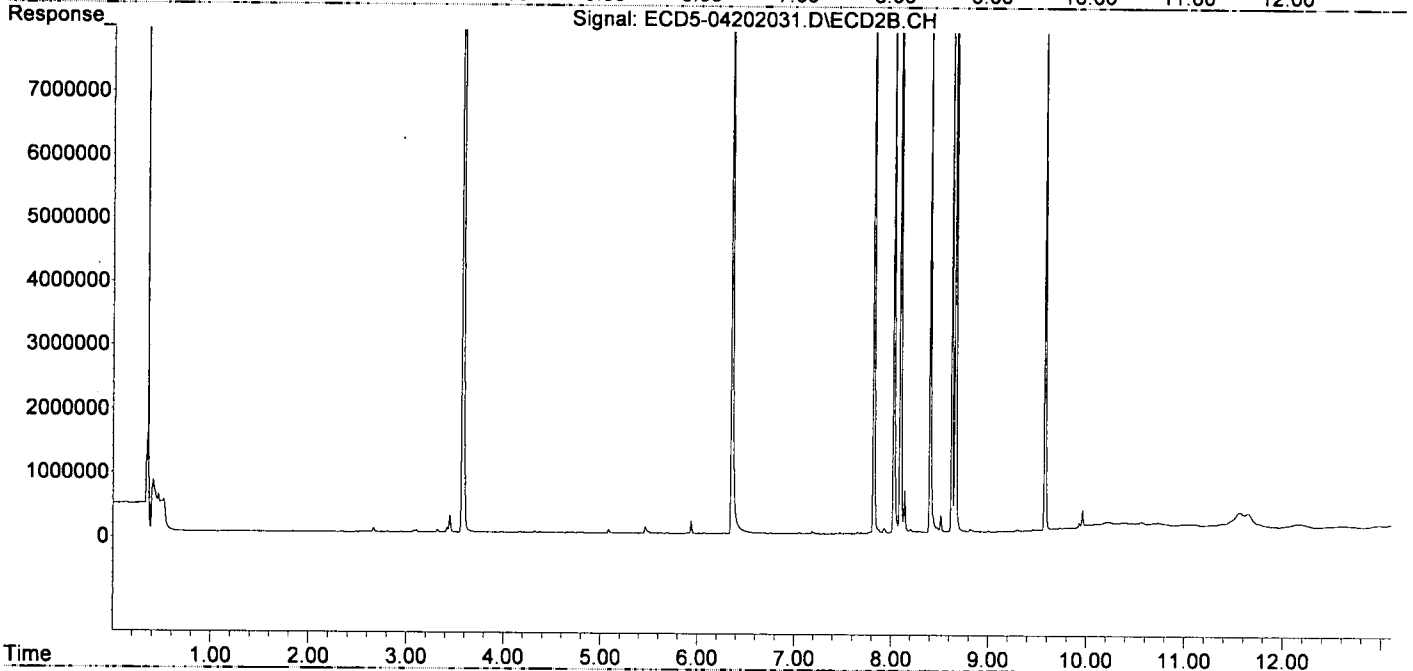
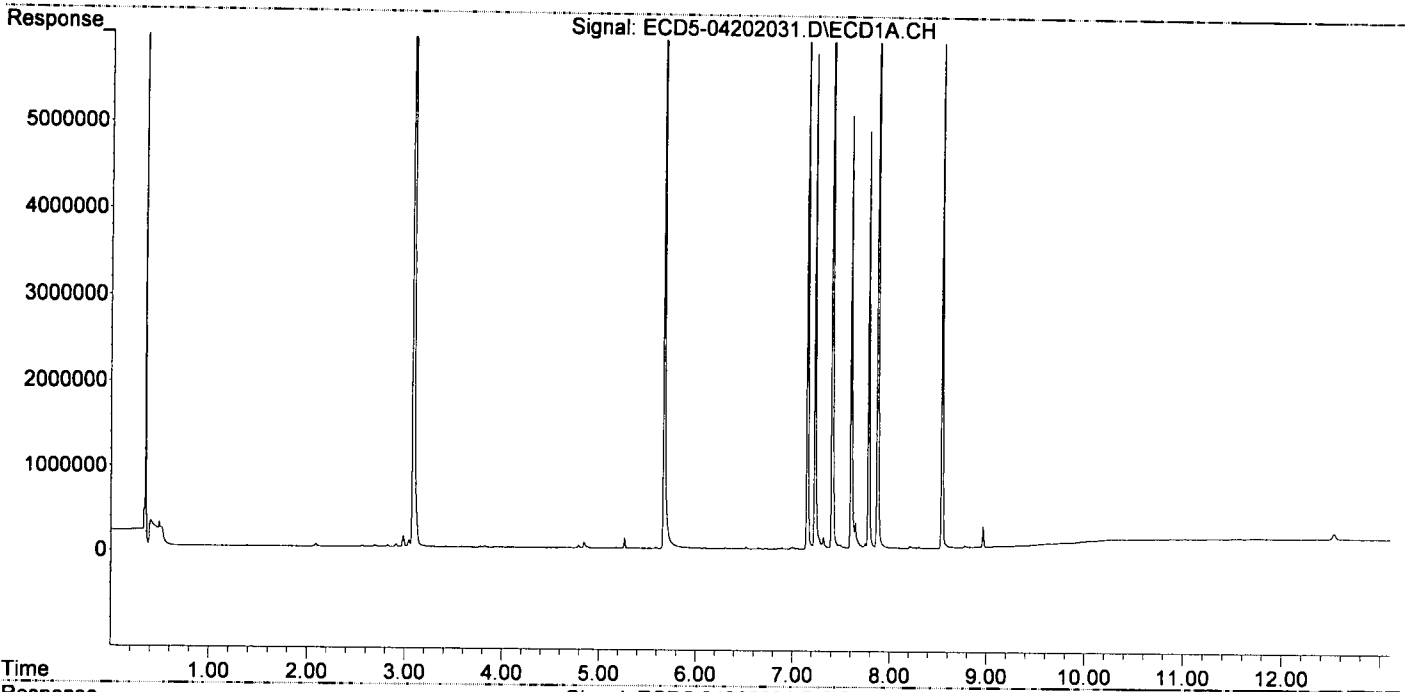
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.263f | 5.899 | 122816 | 13483 | 0.636 | 0.047 # |
| 22) S DCBP (S) | 0.000 | 10.442 | 0 | 12904 | N.D. | 0.076 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.083f | 0.000 | 7457 | 0 | 0.033 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.520 | 7.186 | 26355 | 43542 | 0.118 | 0.130 |
| 6) d-BHC | 6.340 | 7.137 | 4242 | 9847 | 0.022 | 0.030 # |
| 7) Aldrin | 0.000 | 7.473 | 0 | 19379 | N.D. | 0.059 # |
| 8) Heptachlo... | 7.228 | 7.930f | 5781917 | 73678 | 28.211 | 0.248 # |
| 9) trans-Chl... | 7.317 | 8.026 | 139991 | 9613904 | 0.672 | 31.734 # |
| 10) cis-Chlor... | 7.406 | 8.137 | 9223215 | 657289 | 45.038 | 2.265 # |
| 11) Endosulfa... | 7.493f | 8.201 | 46765 | 60522 | 0.242 | 0.223 |
| 12) 4,4'-DDE | 7.493 | 8.293f | 46765 | 21551 | 0.237 | 0.075 # |
| 13) Dieldrin | 0.000 | 8.400 | 0 | 8567795 | N.D. | 28.798 # |
| 14) Endrin | 7.875f | 8.623 | 10209528 | 8076730 | 59.729 | 35.272 # |
| 15) 4,4'-DDD | 7.875f | 8.660 | 10209528 | 16973929 | 62.470 | 70.544 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.066f | 8.871f | 7764 | 4506 | 0.046 | 0.082 # |
| 18) Endrin Al... | 8.300 | 9.002 | 14724 | 14267 | 0.101 | 0.069 # |
| 19) Endosulfa... | 8.640f | 9.191 | 17011 | 10181 | 0.103 | 0.045 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.773f | 9.579 | 21219 | 9552578 | 0.111 | 38.315 # |
| 23) Hexachlor... | 3.086 | 3.576 | 9649018 | 20473206 | 51.439 | 55.616 |
| 24) Hexachlor... | 5.672 | 6.355 | 8088749 | 13854297 | 44.278 | 48.087 |
| 25) Oxychlorane | 7.150 | 7.820 | 8270031 | 13447019 | 48.677 | 52.475 |
| 26) 2,4'-DDE | 7.228 | 8.026 | 5781917 | 9613904 | 47.110 | 50.317 |
| 27) trans-Non... | 7.406 | 8.094 | 9223215 | 14879443 | 48.609 | 51.926 |
| 28) 2,4'-DDD | 7.601 | 8.400 | 5031629 | 8567795 | 46.696 | 50.685 |
| 29) 2,4'-DDT | 7.782 | 8.623 | 4880321 | 8076730 | 46.739 | 52.161 |
| 30) cis-Nonac... | 7.875 | 8.660 | 10209528 | 16973929 | 49.742 | 55.543 |
| 31) Mirex | 8.539 | 9.579 | 6455000 | 9552578 | 49.333 | 54.082 |
| 32) Chlordane... | 0.000 | 8.094 | 0 | 14879443 | N.D. | 377.611 # |
| 33) Chlordane... | 7.493f | 8.201 | 46765 | 60522 | 1.761 | 1.848 |
| 34) Chlordane... | 0.000 | 8.871f | 0 | 4506 | N.D. | 0.440 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.493f | 8.400f | 46765 | 8567795 | 45.001 | 3046.450 # |
| 37) Toxaphene... | 7.748 | 8.815f | 62614 | 31025 | 30.917 | 8.680 # |
| 38) Toxaphene... | 8.066 | 8.815 | 7764 | 31025 | 1.905 | 5.556 # |
| 39) Toxaphene... | 8.300 | 8.871 | 14724 | 4506 | 3.748 | BelowCal # |
| 40) Toxaphene... | 8.539 | 9.098f | 6455000 | 3359 | 2104.331 | 0.680 # |
| 41) Toxaphene... | 0.000 | 9.457 | 0 | 16891 | N.D. | 3.125 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 21:03
Operator : MJB
Sample : 0D20044-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
 Data File : ECD5-04202032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Apr 2020 21:20
 Operator : MJB
 Sample : 0D20044-CCB3
 Misc : A20C404
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Apr 21 11:50:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
4/21/20

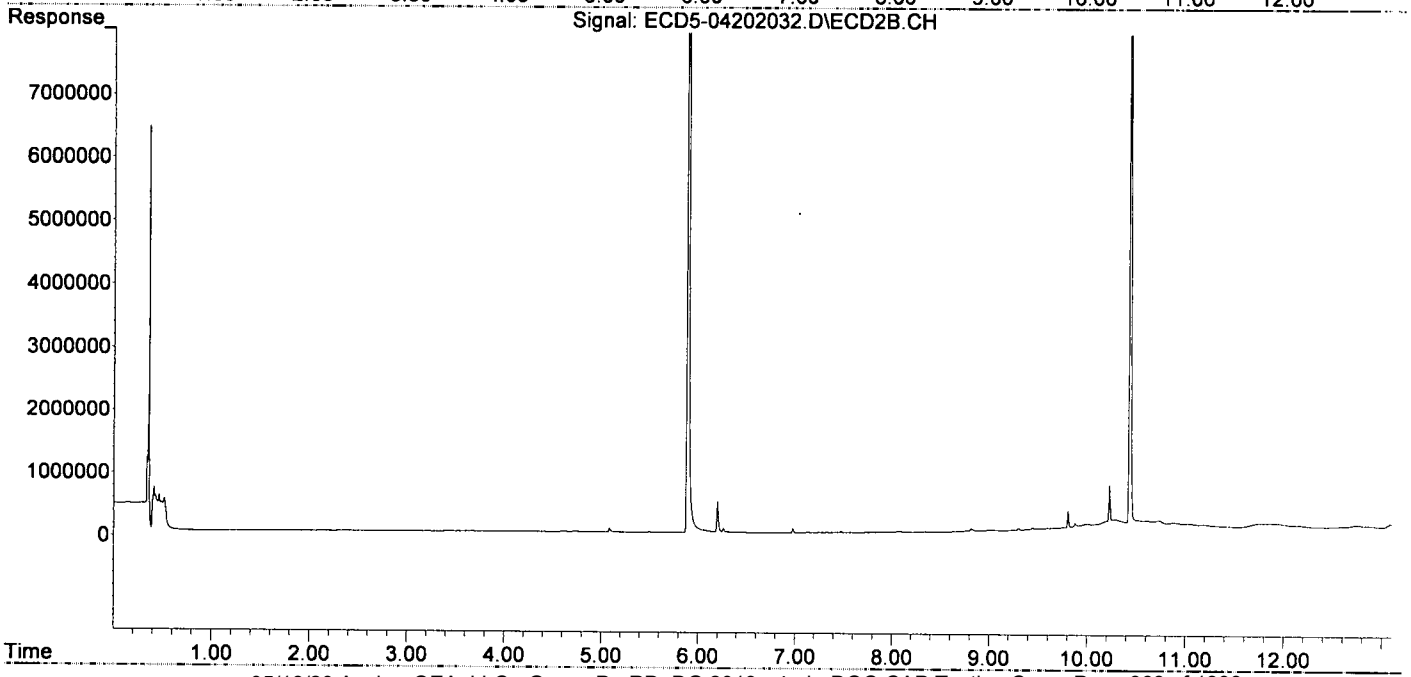
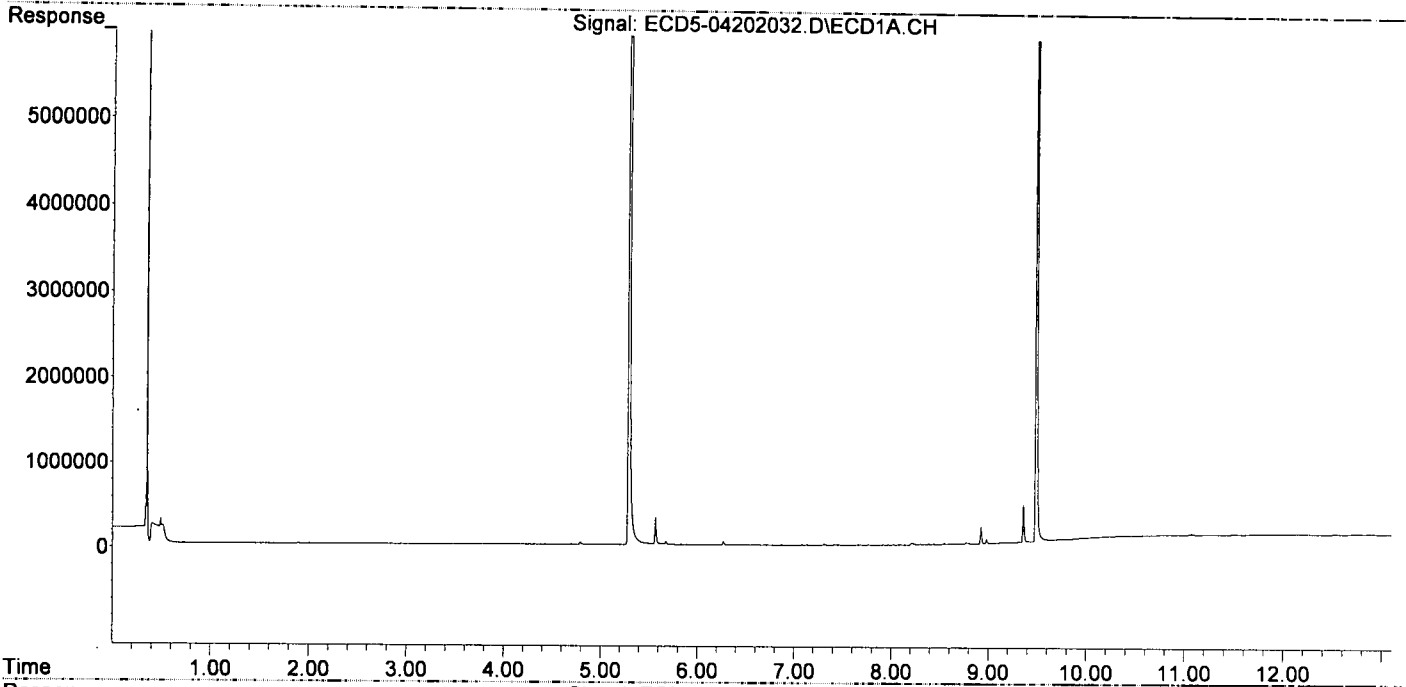
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.292 | 5.889 | 18110338 | 30102567 | 93.741 | 105.309 |
| 22) S DCBP (S) | 9.488 | 10.435 | 13833107 | 18657110 | 92.861 | 109.858 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.137 | 0.000 | 3327 | 0 | 0.015 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.136 | 0 | 8499 | N.D. | 0.026 # |
| 7) Aldrin | 0.000 | 7.474 | 0 | 19856 | N.D. | 0.061 # |
| 8) Heptachlo... | 7.267f | 0.000 | 3734 | 0 | 0.018 | N.D. # |
| 9) trans-Chl... | 7.308 | 8.062f | 15192 | 9683 | 0.073 | 0.032 # |
| 10) cis-Chlor... | 7.423 | 0.000 | 4388 | 0 | 0.021 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 7.467 | 0.000 | 4266 | 0 | 0.022 | N.D. # |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 8.629 | 0 | 3983 | N.D. | 0.017 # |
| 15) 4,4'-DDD | 7.917 | 8.629f | 4627 | 3983 | 0.028 | 0.017 # |
| 16) Endosulfa... | 8.024 | 8.773 | 4375 | 10593 | 0.026 | 0.044 # |
| 17) 4,4'-DDT | 8.103 | 8.911 | 754 | 4402 | BelowCal | 0.081 |
| 18) Endrin Al... | 8.298 | 9.002 | 9162 | 9204 | 0.063 | 0.044 # |
| 19) Endosulfa... | 8.599 | 9.192 | 6993 | 6010 | 0.043 | 0.026 # |
| 20) Methoxychlor | 8.436 | 9.374 | 7749 | 2648 | BelowCal | BelowCal |
| 21) Endrin Ke... | 8.771f | 9.588 | 18489 | 13492 | 0.097 | 0.054 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.673 | 0.000 | 36704 | 0 | BelowCal | N.D. |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 7.267f | 8.062f | 3734 | 9683 | BelowCal | BelowCal |
| 27) trans-Non... | 7.423 | 8.095 | 4388 | 4857 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.761f | 8.629 | 5207 | 3983 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.917f | 8.629f | 4627 | 3983 | BelowCal | BelowCal |
| 31) Mirex | 8.544 | 9.588 | 17268 | 13492 | 5765.225 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.062 | 0 | 9683 | N.D. | 0.246 # |
| 33) Chlordane... | 7.467 | 0.000 | 4266 | 0 | 0.161 | N.D. # |
| 34) Chlordane... | 8.024 | 8.816f | 4375 | 38283 | 0.602 | 3.741 # |
| 35) Chlordane... | 0.000 | 3.672f | 0 | 7637 | N.D. | NoCal |
| 36) Toxaphene... | 7.467 | 0.000 | 4266 | 0 | 4.105 | N.D. # |
| 37) Toxaphene... | 7.761 | 8.773 | 5207 | 10593 | 0.333 | 2.964 # |
| 38) Toxaphene... | 8.024f | 8.816 | 4375 | 38283 | 1.073 | 6.856 # |
| 39) Toxaphene... | 8.298 | 8.911f | 9162 | 4402 | 2.332 | BelowCal # |
| 40) Toxaphene... | 8.544 | 0.000 | 17268 | 0 | 5.629 | N.D. # |
| 41) Toxaphene... | 8.599 | 9.442 | 6993 | 22789 | 1.746 | 4.217 # |
| 42) Toxaphene... | 0.000 | 3.672 | 0 | 7637 | N.D. | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D20044\
Data File : ECD5-04202032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Apr 2020 21:20
Operator : MJB
Sample : 0D20044-CCB3
Misc : A20C404
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 21 11:50:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT2.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Sequence 0C24036 (Cal ID A0C2504) DualECD5



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0C24036

Instrument: DUALECD5

Date: 03/24/20 12:02

Calibration: A0C2504

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|--------|----------|--------|-----|-------|---------|---------|
| 1 | 0C24036-BKD/2 | Water | QC | QC | | | | A20C091 |
| 2 | 0C24036-ICB1 | Water | QC | QC | | | | A20B383 |
| 3 | 0C24036-CAL1 | Water | QC | QC | | | | A20C398 |
| 4 | 0C24036-CAL2 | Water | QC | QC | | | | A20C178 |
| 5 | 0C24036-CAL3 | Water | QC | QC | | | | A20C179 |
| 6 | 0C24036-CAL4 | Water | QC | QC | | | | A20C180 |
| 7 | 0C24036-CAL5 | Water | QC | QC | | | | A20C181 |
| 8 | 0C24036-CAL6 | Water | QC | QC | | | | A20C182 |
| 9 | 0C24036-CAL7 | Water | QC | QC | | | | A20C183 |
| 10 | 0C24036-CAL8 | Water | QC | QC | | | | A20C184 |
| 11 | 0C24036-CAL9 | Water | QC | QC | | | | A20C177 |
| 12 | 0C24036-IBL1 | Water | QC | QC | | | | |
| 13 | 0C24036-ICV1 | Water | QC | QC | | | | A20C164 |
| 14 | 0C24036-CALA | Water | QC | QC | | | | A20C399 |
| 15 | 0C24036-CALB | Water | QC | QC | | | | A20C353 |
| 16 | 0C24036-CALC | Water | QC | QC | | | | A20C354 |
| 17 | 0C24036-CALD | Water | QC | QC | | | | A20C355 |
| 18 | 0C24036-CALE | Water | QC | QC | | | | A20C356 |
| 19 | 0C24036-CALF | Water | QC | QC | | | | A20C357 |
| 20 | 0C24036-CALG | Water | QC | QC | | | | A20C358 |
| 21 | 0C24036-CALH | Water | QC | QC | | | | A20C359 |
| 22 | 0C24036-CALI | Water | QC | QC | | | | A20C352 |
| 23 | 0C24036-IBL2 | Water | QC | QC | | | | |
| 24 | 0C24036-ICV2 | Water | QC | QC | | | | A20C360 |
| 25 | 0C24036-CALJ | Water | QC | QC | | | | A20C400 |
| 26 | 0C24036-CALK | Water | QC | QC | | | | A19K307 |
| 27 | 0C24036-CALL | Water | QC | QC | | | | A19K308 |
| 28 | 0C24036-CALM | Water | QC | QC | | | | A19K309 |
| 29 | 0C24036-CALN | Water | QC | QC | | | | A19K310 |
| 30 | 0C24036-CALO | Water | QC | QC | | | | A19K311 |
| 31 | 0C24036-CALP | Water | QC | QC | | | | A19K306 |
| 32 | 0C24036-IBL3 | Water | QC | QC | | | | |
| 33 | 0C24036-ICV3 | Water | QC | QC | | | | A19K312 |
| 34 | 0C24036-CALQ | Water | QC | QC | | | | A20C401 |
| 35 | 0C24036-CALR | Water | QC | QC | | | | A19J417 |
| 36 | 0C24036-CALS | Water | QC | QC | | | | A19J418 |
| 37 | 0C24036-CALT | Water | QC | QC | | | | A19J419 |
| 38 | 0C24036-CALU | Water | QC | QC | | | | A19J420 |
| 39 | 0C24036-CALV | Water | QC | QC | | | | A19J421 |
| 40 | 0C24036-CALW | Water | QC | QC | | | | A19J416 |
| 41 | 0C24036-IBL4 | Water | QC | QC | | | | |
| 42 | 0C24036-ICV4 | Water | QC | QC | | | | A19J422 |

M/B
3/25/20

Data Entered By: M/B 3/25/20

Comments: ICAL

Data Reviewed By: M/B 3/30/20

Calibration Status Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200324.M
 Title : Instrument: DualECD5
 Last Update : Wed Mar 25 12:47:54 2020
 Response Via : Initial Calibration

AOC2509

*MJB
3/25/20*

| # | ID | Conc | ISTD Conc | Path\File |
|---|----|------|--------------|---|
| 1 | 1 | 10 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242040.D |
| 2 | 2 | 50 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242041.D |
| 3 | 3 | 100 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242042.D |
| 4 | 4 | 200 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242043.D |
| 5 | 5 | 500 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242044.D |
| 6 | 6 | 1000 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242045.D |
| 7 | 7 | 2000 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242046.D |
| 8 | 8 | -1 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242027.D |
| 9 | 9 | -1 | 0 | C:\msdchem\1\data\2020-03\0C24036\ECD5-03242028.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|---|----|-------------------|-------------------|-------------------|
| 1 | 1 | Mar 25 12:47 2020 | Mar 25 12:41 2020 | 24 Mar 2020 23:39 |
| 2 | 2 | Mar 25 12:47 2020 | Mar 25 12:42 2020 | 24 Mar 2020 23:56 |
| 3 | 3 | Mar 25 12:47 2020 | Mar 25 12:42 2020 | 25 Mar 2020 0:13 |
| 4 | 4 | Mar 25 12:47 2020 | Mar 25 12:43 2020 | 25 Mar 2020 0:31 |
| 5 | 5 | Mar 25 12:47 2020 | Mar 25 12:40 2020 | 25 Mar 2020 0:48 |
| 6 | 6 | Mar 25 12:47 2020 | Mar 25 12:43 2020 | 25 Mar 2020 1:05 |
| 7 | 7 | Mar 25 12:47 2020 | Mar 25 12:44 2020 | 25 Mar 2020 1:22 |
| 8 | 8 | Mar 25 12:45 2020 | Mar 25 12:31 2020 | 24 Mar 2020 19:57 |
| 9 | 9 | Mar 25 12:45 2020 | Mar 25 12:32 2020 | 24 Mar 2020 20:14 |

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:34 2020

Calibration Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200324.M
 Title : Instrument: DualECD5
 Last Update : Wed Mar 25 12:47:54 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD5-03242040 2 =ECD5-03242041 3 =ECD5-03242042 4 =ECD5-03242043 5 =ECD5-03242044
 6 =ECD5-03242045 7 =ECD5-03242046 8 =ECD5-03242027 9 =ECD5-03242028

| Compound | Fit | Constant | Linear | Quad | RSD/Cf |
|-------------------------|------|-----------|-----------|------------|--------|
| 1) S TCMX (S) | Avg | ----- | 1.9319 e5 | ----- | 0.0683 |
| 2) a-BHC | Avg | ----- | 2.6319 e5 | ----- | 0.0260 |
| 3) g-BHC | Avg | ----- | 2.2875 e5 | ----- | 0.0298 |
| 4) b-BHC | Avg | ----- | 9.5670 e4 | ----- | 0.0880 |
| 5) Heptachlor | Avg | ----- | 2.2278 e5 | ----- | 0.0620 |
| 6) d-BHC | Avg | ----- | 1.9512 e5 | ----- | 0.0627 |
| 7) Aldrin | Avg | ----- | 2.2202 e5 | ----- | 0.0322 |
| 8) Heptachlor Expoxide | Avg | ----- | 2.0495 e5 | ----- | 0.0750 |
| 9) trans-Chlordane | Avg | ----- | 2.0846 e5 | ----- | 0.0591 |
| 10) cis-Chlordane | Avg | ----- | 2.0479 e5 | ----- | 0.0839 |
| 11) Endosulfan I | Avg | ----- | 1.9334 e5 | ----- | 0.0617 |
| 12) 4,4'-DDE | Avg | ----- | 1.9711 e5 | ----- | 0.0418 |
| 13) Dieldrin | Avg | ----- | 2.1246 e5 | ----- | 0.0420 |
| 14) Endrin | Avg | ----- | 1.7093 e5 | ----- | 0.0601 |
| 15) 4,4'-DDD | Avg | ----- | 1.6343 e5 | ----- | 0.0583 |
| 16) Endosulfan II | Avg | ----- | 1.6755 e5 | ----- | 0.0681 |
| 17) 4,4'-DDT | Quad | 2.1705 e3 | 1.2179 e5 | 2.1492 e2 | 0.9985 |
| 18) Endrin Aldehyde | Avg | ----- | 1.4637 e5 | ----- | 0.0827 |
| 19) Endosulfan Sulfate | Avg | ----- | 1.6444 e5 | ----- | 0.0882 |
| 20) Methoxychlor | Quad | 1.1200 e4 | 6.4109 e4 | 7.3837 e1 | 0.9969 |
| 21) Endrin Ketone | Avg | ----- | 1.9097 e5 | ----- | 0.0935 |
| 22) S DCBP (S) | Quad | 2.6503 e4 | 1.4844 e5 | 2.6093 | 0.9977 |
| 23) Hexachlorobutadiene | Quad | 4.9956 e4 | 1.8748 e5 | -1.6945 e1 | 0.9971 |
| 24) Hexachlorobenzene | Quad | 5.0142 e4 | 1.8031 e5 | 2.7949 e1 | 0.9974 |
| 25) Oxychlordane | Quad | 4.3412 e4 | 1.6869 e5 | 6.3885 | 0.9975 |
| 26) 2,4'-DDE | Quad | 2.5743 e4 | 1.2027 e5 | 4.0593 e1 | 0.9981 |
| 27) trans-Nonachlor | Quad | 4.8572 e4 | 1.8747 e5 | 2.6143 e1 | 0.9981 |
| 28) 2,4'-DDD | Quad | 2.9745 e4 | 1.0588 e5 | 2.6404 e1 | 0.9966 |
| 29) 2,4'-DDT | Quad | 2.0096 e4 | 9.9122 e4 | 1.0409 e2 | 0.9974 |
| 30) cis-Nonachlor | Quad | 4.6622 e4 | 2.0186 e5 | 4.9307 e1 | 0.9977 |
| 31) Mirex | Quad | 5.2543 e4 | 1.3090 e5 | -2.2706 e1 | 0.9940 |
| 32) Chlordane (1) | Avg | ----- | 2.3342 e4 | ----- | 0.0475 |
| 33) Chlordane (2) | Avg | ----- | 2.6552 e4 | ----- | 0.0409 |
| 34) Chlordane (3) | Avg | ----- | 7.2697 e3 | ----- | 0.0474 |
| 35) Chlordane - AVE | Avg | ----- | ----- | ----- | 0.0000 |
| 36) Toxaphene (1) | Avg | ----- | 1.0392 e3 | ----- | 0.0926 |
| 37) Toxaphene (2) | Quad | 4.5805 e3 | 1.8805 e3 | -0.1124 | 0.9965 |
| 38) Toxaphene (3) | Avg | ----- | 4.0766 e3 | ----- | 0.0932 |
| 39) Toxaphene (4) | Avg | ----- | 3.9281 e3 | ----- | 0.1041 |
| 40) Toxaphene (5) | Avg | ----- | 3.0675 e3 | ----- | 0.0636 |
| 41) Toxaphene (6) | Avg | ----- | 4.0057 e3 | ----- | 0.0782 |
| 42) Toxaphene - AVE | Avg | ----- | ----- | ----- | 0.0000 |

MJB
3/25/20

Signal #2

| Compound | Fit | Constant | Linear | Quad | RSD/Cf |
|---------------|-----|----------|-----------|-------|--------|
| 1) S TCMX (S) | Avg | ----- | 2.8585 e5 | ----- | 0.0795 |
| 2) a-BHC | Avg | ----- | 4.0520 e5 | ----- | 0.0815 |
| 3) g-BHC | Avg | ----- | 3.5377 e5 | ----- | 0.0660 |
| 4) b-BHC | Avg | ----- | 1.5003 e5 | ----- | 0.0774 |
| 5) Heptachlor | Avg | ----- | 3.3515 e5 | ----- | 0.0642 |
| 6) d-BHC | Avg | ----- | 3.2655 e5 | ----- | 0.0952 |
| 7) Aldrin | Avg | ----- | 3.2588 e5 | ----- | 0.0617 |

| | | | | | | | |
|-------|---------------------|------|------------|--------|-------|-----------|--------|
| 8) | Heptachlor Epoxide | Avg | ----- | 2.9765 | e5 | ----- | 0.0561 |
| 9) | trans-Chlordane | Avg | ----- | 3.0295 | e5 | ----- | 0.0625 |
| 10) | cis-Chlordane | Avg | ----- | 2.9017 | e5 | ----- | 0.0562 |
| 11) | Endosulfan I | Avg | ----- | 2.7172 | e5 | ----- | 0.0584 |
| 12) | 4,4'-DDE | Avg | ----- | 2.8634 | e5 | ----- | 0.0828 |
| 13) | Dieldrin | Avg | ----- | 2.9751 | e5 | ----- | 0.0683 |
| 14) | Endrin | Avg | ----- | 2.2898 | e5 | ----- | 0.0847 |
| 15) | 4,4'-DDD | Avg | ----- | 2.4061 | e5 | ----- | 0.0781 |
| 16) | Endosulfan II | Avg | ----- | 2.3990 | e5 | ----- | 0.0779 |
| 17) | 4,4'-DDT | Quad | -8.6902 e3 | 1.6076 | e5 | 5.0266 e2 | 0.9973 |
| 18) | Endrin Aldehyde | Avg | ----- | 2.0800 | e5 | ----- | 0.0621 |
| 19) | Endosulfan Sulfate | Avg | ----- | 2.2769 | e5 | ----- | 0.0738 |
| 20) | Methoxychlor | Quad | 7.0046 e3 | 8.3047 | e4 | 1.9422 e2 | 0.9983 |
| 21) | Endrin Ketone | Avg | ----- | 2.4932 | e5 | ----- | 0.0804 |
| 22) S | DCBP (S) | Avg | ----- | 1.6983 | e5 | ----- | 0.0673 |
| 23) | Hexachlorobutadiene | Quad | 7.9613 e4 | 3.5824 | e5 | 1.5178 e2 | 0.9982 |
| 24) | Hexachlorobenzene | Quad | 6.7385 e4 | 2.7595 | e5 | 2.2369 e2 | 0.9991 |
| 25) | Oxychlordane | Quad | 6.5358 e4 | 2.4251 | e5 | 2.3825 e2 | 0.9975 |
| 26) | 2,4'-DDE | Quad | 3.8818 e4 | 1.8078 | e5 | 1.8923 e2 | 0.9980 |
| 27) | trans-Nonachlor | Quad | 6.5292 e4 | 2.7098 | e5 | 2.7573 e2 | 0.9983 |
| 28) | 2,4'-DDD | Quad | 4.4671 e4 | 1.6074 | e5 | 1.4638 e2 | 0.9978 |
| 29) | 2,4'-DDT | Quad | 2.5879 e4 | 1.3876 | e5 | 2.9876 e2 | 0.9989 |
| 30) | cis-Nonachlor | Quad | 6.1790 e4 | 2.8768 | e5 | 3.0253 e2 | 0.9988 |
| 31) | Mirex | Quad | 7.5544 e4 | 1.6867 | e5 | 1.2131 e2 | 0.9979 |
| 32) | Chlordane (1) | Avg | ----- | 3.9404 | e4 | ----- | 0.0724 |
| 33) | Chlordane (2) | Avg | ----- | 3.2749 | e4 | ----- | 0.0644 |
| 34) | Chlordane (3) | Avg | ----- | 1.0233 | e4 | ----- | 0.0773 |
| 35) | Chlordane - AVE | Avg | ----- | ----- | ----- | ----- | 0.0000 |
| 36) | Toxaphene (1) | Avg | ----- | 2.8124 | e3 | ----- | 0.0840 |
| 37) | Toxaphene (2) | Avg | ----- | 3.5741 | e3 | ----- | 0.0639 |
| 38) | Toxaphene (3) | Avg | ----- | 5.5835 | e3 | ----- | 0.0852 |
| 39) | Toxaphene (4) | Quad | 3.5387 e4 | 8.1369 | e3 | 0.5677 | 0.9989 |
| 40) | Toxaphene (5) | Avg | ----- | 4.9417 | e3 | ----- | 0.0682 |
| 41) | Toxaphene (6) | Avg | ----- | 5.4045 | e3 | ----- | 0.0756 |
| 42) | Toxaphene - AVE | Avg | ----- | ----- | ----- | ----- | 0.0000 |

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:51 2020

Element Calibration Review Sheet

Calibration ID: AOC2504

Instrument: DUALECD5

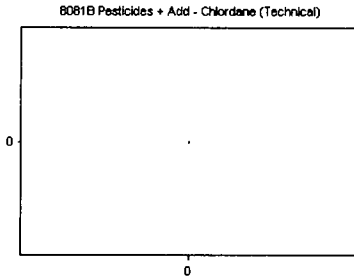
Calibration Date: 03/25/2020

Analysis: 8081B Pesticides + Add

Instrument Cal ID: ECD5_QUANTPEST_20032

Chlordane (Technical)

Curve Fit: AVERAGE RF

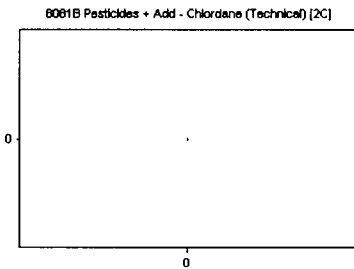


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALJ | 40 | 0 | 0.000 | 0.00 |
| 0C24036-CALK | 50 | 0 | 0.000 | 0.00 |
| 0C24036-CALL | 100 | 0 | 0.000 | 0.00 |
| 0C24036-CALM | 200 | 0 | 0.000 | 0.00 |
| 0C24036-CALN | 500 | 0 | 0.000 | 0.00 |
| 0C24036-CALO | 1000 | 0 | 0.000 | 0.00 |
| 0C24036-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

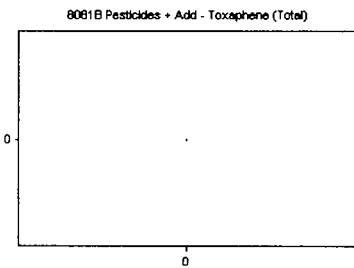


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALJ | 40 | 0 | 0.000 | 0.00 |
| 0C24036-CALK | 50 | 0 | 0.000 | 0.00 |
| 0C24036-CALL | 100 | 0 | 0.000 | 0.00 |
| 0C24036-CALM | 200 | 0 | 0.000 | 0.00 |
| 0C24036-CALN | 500 | 0 | 0.000 | 0.00 |
| 0C24036-CALO | 1000 | 0 | 0.000 | 0.00 |
| 0C24036-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

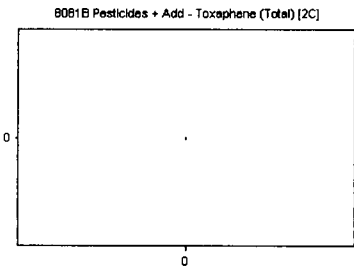


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 40 | 0 | 0.000 | 0.00 |
| 0C24036-CALR | 50 | 0 | 0.000 | 0.00 |
| 0C24036-CALS | 100 | 0 | 0.000 | 0.00 |
| 0C24036-CALT | 200 | 0 | 0.000 | 0.00 |
| 0C24036-CALU | 500 | 0 | 0.000 | 0.00 |
| 0C24036-CALV | 1000 | 0 | 0.000 | 0.00 |
| 0C24036-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 |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 40 | 0 | 0.000 | 0.00 |
| 0C24036-CALR | 50 | 0 | 0.000 | 0.00 |
| 0C24036-CALS | 100 | 0 | 0.000 | 0.00 |
| 0C24036-CALT | 200 | 0 | 0.000 | 0.00 |
| 0C24036-CALU | 500 | 0 | 0.000 | 0.00 |
| 0C24036-CALV | 1000 | 0 | 0.000 | 0.00 |
| 0C24036-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: **A0C2504**

Instrument: **DUALECD5**

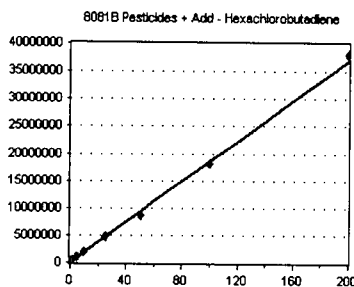
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Hexachlorobutadiene

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

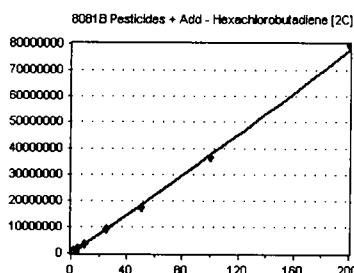


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 138995 | 277990.000 | 3.19 |
| 0C24036-CALB | 1 | 252963 | 252963.000 | 3.19 |
| 0C24036-CALC | 2 | 439567 | 219783.500 | 3.19 |
| 0C24036-CALD | 5 | 985296 | 197059.200 | 3.19 |
| 0C24036-CALE | 10 | 1913685 | 191368.500 | 3.19 |
| 0C24036-CALF | 25 | 4744416 | 189776.600 | 3.19 |
| 0C24036-CALG | 50 | 8717391 | 174347.800 | 3.19 |
| 0C24036-CALH | 100 | 1.806462E+07 | 180646.200 | 3.19 |
| 0C24036-CALI | 200 | 3.806473E+07 | 190323.600 | 3.19 |

AVE RF 208250.900 **RF RSD** 16.96 **AVE RT** 3.19

Hexachlorobutadiene [2C]

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

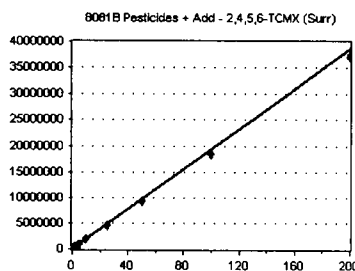


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 251522 | 503044.000 | 3.68 |
| 0C24036-CALB | 1 | 464249 | 464249.000 | 3.67 |
| 0C24036-CALC | 2 | 807666 | 403833.000 | 3.67 |
| 0C24036-CALD | 5 | 1888911 | 377782.200 | 3.67 |
| 0C24036-CALE | 10 | 3659331 | 365933.100 | 3.67 |
| 0C24036-CALF | 25 | 9164447 | 366577.900 | 3.67 |
| 0C24036-CALG | 50 | 1.743982E+07 | 348796.400 | 3.67 |
| 0C24036-CALH | 100 | 3.634469E+07 | 363446.900 | 3.68 |
| 0C24036-CALI | 200 | 7.974695E+07 | 398734.800 | 3.68 |

AVE RF 399155.200 **RF RSD** 12.98 **AVE RT** 3.67

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

Curve Fit: **AVERAGE RF**

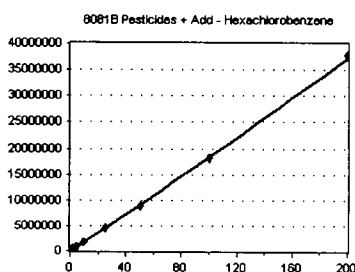


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 110536 | 221072.000 | 5.39 |
| 0C24036-CAL2 | 1 | 207645 | 207645.000 | 5.39 |
| 0C24036-CAL3 | 2 | 389246 | 194623.000 | 5.39 |
| 0C24036-CAL4 | 5 | 964743 | 192948.600 | 5.39 |
| 0C24036-CAL5 | 10 | 1871440 | 187144.000 | 5.39 |
| 0C24036-CAL6 | 25 | 4512622 | 180504.900 | 5.39 |
| 0C24036-CAL7 | 50 | 9241615 | 184832.300 | 5.39 |
| 0C24036-CAL8 | 100 | 1.835447E+07 | 183544.700 | 5.39 |
| 0C24036-CAL9 | 200 | 3.728779E+07 | 186439.000 | 5.39 |

AVE RF 193194.800 **RF RSD** 6.83 **AVE RT** 5.39

Hexachlorobenzene

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 135442 | 270884.000 | 5.77 |
| 0C24036-CALB | 1 | 248838 | 248838.000 | 5.77 |
| 0C24036-CALC | 2 | 419155 | 209577.500 | 5.77 |
| 0C24036-CALD | 5 | 941551 | 188310.200 | 5.77 |
| 0C24036-CALE | 10 | 1821184 | 182118.400 | 5.77 |
| 0C24036-CALF | 25 | 4553836 | 182153.400 | 5.77 |
| 0C24036-CALG | 50 | 8762097 | 175241.900 | 5.77 |
| 0C24036-CALH | 100 | 1.818749E+07 | 181874.900 | 5.77 |
| 0C24036-CALI | 200 | 3.782323E+07 | 189116.200 | 5.77 |

AVE RF 203123.800 **RF RSD** 16.74 **AVE RT** 5.77

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

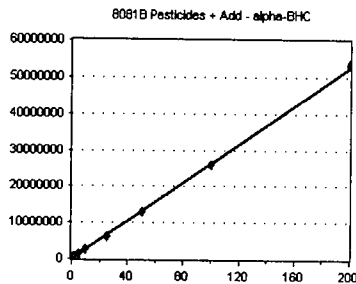
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

alpha-BHC

Curve Fit: **AVERAGE RF**

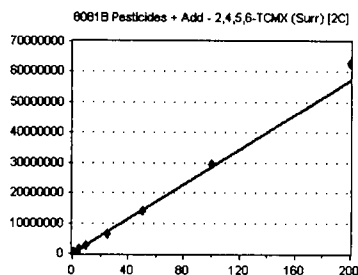


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 137171 | 274342.000 | 5.93 |
| 0C24036-CAL2 | 1 | 265596 | 265596.000 | 5.93 |
| 0C24036-CAL3 | 2 | 533325 | 266662.500 | 5.93 |
| 0C24036-CAL4 | 5 | 1329593 | 265918.600 | 5.93 |
| 0C24036-CAL5 | 10 | 2560403 | 256040.300 | 5.93 |
| 0C24036-CAL6 | 25 | 6300836 | 252033.400 | 5.93 |
| 0C24036-CAL7 | 50 | 1.311416E+07 | 262283.200 | 5.93 |
| 0C24036-CAL8 | 100 | 2.579191E+07 | 257919.100 | 5.93 |
| 0C24036-CAL9 | 200 | 5.357471E+07 | 267873.600 | 5.93 |

AVE RF 263185.400 RF RSD 2.60 AVE RT 5.93

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

Curve Fit: **AVERAGE RF**

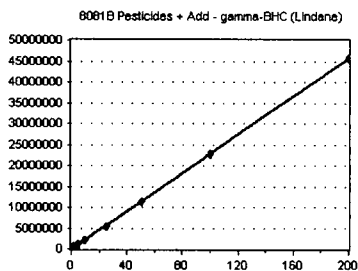


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 164456 | 328912.000 | 5.99 |
| 0C24036-CAL2 | 1 | 286301 | 286301.000 | 5.99 |
| 0C24036-CAL3 | 2 | 549729 | 274864.500 | 5.99 |
| 0C24036-CAL4 | 5 | 1335959 | 267191.800 | 5.99 |
| 0C24036-CAL5 | 10 | 2672852 | 267285.200 | 5.99 |
| 0C24036-CAL6 | 25 | 6520954 | 260838.200 | 5.99 |
| 0C24036-CAL7 | 50 | 1.401779E+07 | 280355.800 | 5.99 |
| 0C24036-CAL8 | 100 | 2.936302E+07 | 293630.200 | 5.99 |
| 0C24036-CAL9 | 200 | 6.265225E+07 | 313261.300 | 5.99 |

AVE RF 285848.900 RF RSD 7.95 AVE RT 5.99

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

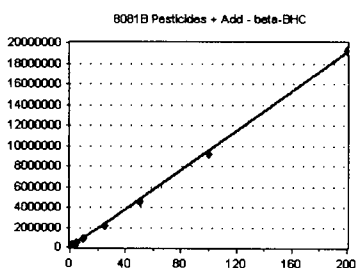


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 120065 | 240130.000 | 6.21 |
| 0C24036-CAL2 | 1 | 235537 | 235537.000 | 6.22 |
| 0C24036-CAL3 | 2 | 461944 | 230972.000 | 6.21 |
| 0C24036-CAL4 | 5 | 1144128 | 228825.600 | 6.21 |
| 0C24036-CAL5 | 10 | 2232104 | 223210.400 | 6.21 |
| 0C24036-CAL6 | 25 | 5406502 | 216260.100 | 6.21 |
| 0C24036-CAL7 | 50 | 1.137713E+07 | 227542.600 | 6.21 |
| 0C24036-CAL8 | 100 | 2.27286E+07 | 227286.000 | 6.21 |
| 0C24036-CAL9 | 200 | 4.578899E+07 | 228945.000 | 6.21 |

AVE RF 228745.400 RF RSD 2.98 AVE RT 6.21

beta-BHC

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 56206 | 112412.000 | 6.29 |
| 0C24036-CAL2 | 1 | 105215 | 105215.000 | 6.29 |
| 0C24036-CAL3 | 2 | 193610 | 96805.000 | 6.29 |
| 0C24036-CAL4 | 5 | 468025 | 93605.000 | 6.29 |
| 0C24036-CAL5 | 10 | 872767 | 87276.700 | 6.29 |
| 0C24036-CAL6 | 25 | 2161452 | 86458.080 | 6.29 |
| 0C24036-CAL7 | 50 | 4558073 | 91161.460 | 6.29 |
| 0C24036-CAL8 | 100 | 9186029 | 91860.290 | 6.29 |
| 0C24036-CAL9 | 200 | 1.924674E+07 | 96233.700 | 6.29 |

AVE RF 95669.690 RF RSD 8.80 AVE RT 6.29

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

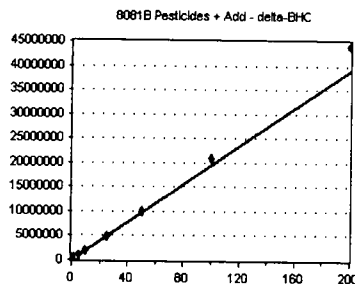
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

delta-BHC

Curve Fit: **AVERAGE RF**

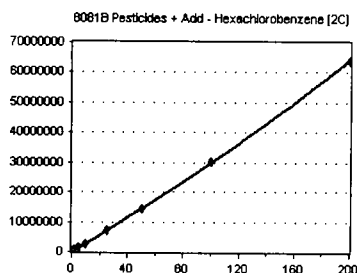


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|-------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 93927 | 187854.000 | 6.44 |
| 0C24036-CAL2 | 1 | 184376 | 184376.000 | 6.44 |
| 0C24036-CAL3 | 2 | 371970 | 185985.000 | 6.44 |
| 0C24036-CAL4 | 5 | 956714 | 191342.800 | 6.44 |
| 0C24036-CAL5 | 10 | 1855154 | 185515.400 | 6.44 |
| 0C24036-CAL6 | 25 | 4815486 | 192619.400 | 6.44 |
| 0C24036-CAL7 | 50 | 9993782 | 199875.600 | 6.44 |
| 0C24036-CAL8 | 100 | 2.08163E+07 | 208163.000 | 6.44 |
| 0C24036-CAL9 | 200 | 4.40779E+07 | 220389.500 | 6.44 |

AVE RF 195124.500 **RF RSD** 6.27 **AVE RT** 6.44

Hexachlorobenzene [2C]

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

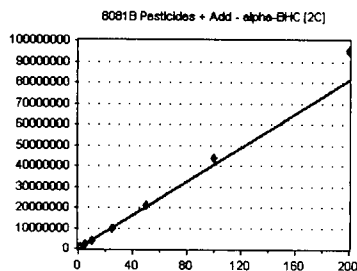


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 201955 | 403910.000 | 6.46 |
| 0C24036-CALB | 1 | 360738 | 360738.000 | 6.45 |
| 0C24036-CALC | 2 | 612934 | 306467.000 | 6.45 |
| 0C24036-CALD | 5 | 1416782 | 283356.400 | 6.45 |
| 0C24036-CALE | 10 | 2829027 | 282902.700 | 6.45 |
| 0C24036-CALF | 25 | 7208518 | 288340.700 | 6.45 |
| 0C24036-CALG | 50 | 1.420348E+07 | 284069.600 | 6.45 |
| 0C24036-CALH | 100 | 3.030767E+07 | 303076.700 | 6.45 |
| 0C24036-CALI | 200 | 6.39639E+07 | 319819.500 | 6.46 |

AVE RF 314742.300 **RF RSD** 13.26 **AVE RT** 6.45

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

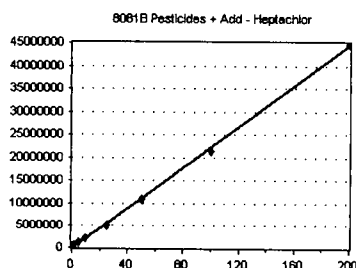


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 190412 | 380824.000 | 6.60 |
| 0C24036-CAL2 | 1 | 377299 | 377299.000 | 6.60 |
| 0C24036-CAL3 | 2 | 769730 | 384865.000 | 6.59 |
| 0C24036-CAL4 | 5 | 1962158 | 392431.600 | 6.59 |
| 0C24036-CAL5 | 10 | 3940249 | 394024.900 | 6.60 |
| 0C24036-CAL6 | 25 | 9620617 | 384824.700 | 6.59 |
| 0C24036-CAL7 | 50 | 2.091878E+07 | 418375.600 | 6.59 |
| 0C24036-CAL8 | 100 | 4.387805E+07 | 438780.500 | 6.59 |
| 0C24036-CAL9 | 200 | 9.508099E+07 | 475405.000 | 6.60 |

AVE RF 405203.400 **RF RSD** 8.15 **AVE RT** 6.59

Heptachlor

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 125615 | 251230.000 | 6.62 |
| 0C24036-CAL2 | 1 | 230067 | 230067.000 | 6.62 |
| 0C24036-CAL3 | 2 | 451051 | 225525.500 | 6.62 |
| 0C24036-CAL4 | 5 | 1139576 | 227915.200 | 6.62 |
| 0C24036-CAL5 | 10 | 2121785 | 221785.500 | 6.62 |
| 0C24036-CAL6 | 25 | 5053266 | 202130.600 | 6.62 |
| 0C24036-CAL7 | 50 | 1.084668E+07 | 216933.600 | 6.62 |
| 0C24036-CAL8 | 100 | 2.152222E+07 | 215222.200 | 6.62 |
| 0C24036-CAL9 | 200 | 4.477036E+07 | 223851.800 | 6.62 |

AVE RF 222783.800 **RF RSD** 6.20 **AVE RT** 6.62

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

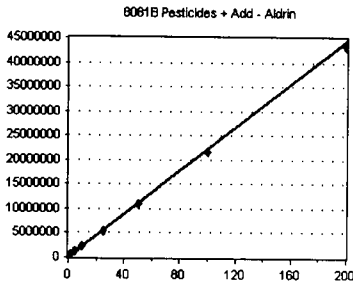
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Aldrin

Curve Fit: **AVERAGE RF**

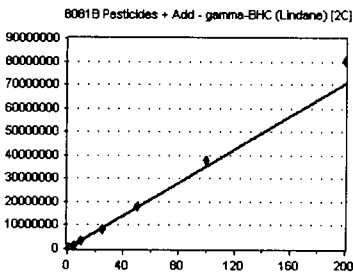


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 116958 | 233916.000 | 6.87 |
| 0C24036-CAL2 | 1 | 228121 | 228121.000 | 6.87 |
| 0C24036-CAL3 | 2 | 446847 | 223423.500 | 6.86 |
| 0C24036-CAL4 | 5 | 1150626 | 230125.200 | 6.86 |
| 0C24036-CAL5 | 10 | 2164338 | 216433.800 | 6.86 |
| 0C24036-CAL6 | 25 | 5344381 | 213775.200 | 6.86 |
| 0C24036-CAL7 | 50 | 1.089071E+07 | 217814.200 | 6.86 |
| 0C24036-CAL8 | 100 | 2.176422E+07 | 217642.200 | 6.86 |
| 0C24036-CAL9 | 200 | 4.339177E+07 | 216958.800 | 6.86 |

AVE RF 222023.300 RF RSD 3.22 AVE RT 6.86

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

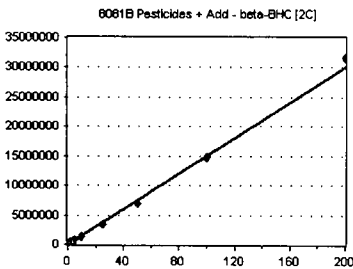


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 177278 | 354556.000 | 6.91 |
| 0C24036-CAL2 | 1 | 342671 | 342671.000 | 6.91 |
| 0C24036-CAL3 | 2 | 680129 | 340064.500 | 6.91 |
| 0C24036-CAL4 | 5 | 1681533 | 336306.600 | 6.91 |
| 0C24036-CAL5 | 10 | 3375199 | 337519.900 | 6.91 |
| 0C24036-CAL6 | 25 | 8241389 | 329655.600 | 6.91 |
| 0C24036-CAL7 | 50 | 1.821637E+07 | 364327.400 | 6.91 |
| 0C24036-CAL8 | 100 | 3.78174E+07 | 378174.000 | 6.91 |
| 0C24036-CAL9 | 200 | 8.012315E+07 | 400615.800 | 6.91 |

AVE RF 353765.600 RF RSD 6.60 AVE RT 6.91

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

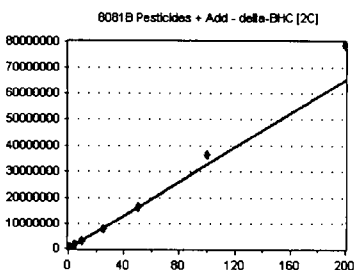


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 85651 | 171302.000 | 6.98 |
| 0C24036-CAL2 | 1 | 160782 | 160782.000 | 6.98 |
| 0C24036-CAL3 | 2 | 302962 | 151481.000 | 6.98 |
| 0C24036-CAL4 | 5 | 728404 | 145680.800 | 6.98 |
| 0C24036-CAL5 | 10 | 1376406 | 137640.600 | 6.98 |
| 0C24036-CAL6 | 25 | 3404701 | 136188.000 | 6.98 |
| 0C24036-CAL7 | 50 | 7084389 | 141687.800 | 6.98 |
| 0C24036-CAL8 | 100 | 1.473435E+07 | 147343.500 | 6.98 |
| 0C24036-CAL9 | 200 | 3.163956E+07 | 158197.800 | 6.98 |

AVE RF 150033.700 RF RSD 7.74 AVE RT 6.98

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 154610 | 309220.000 | 7.23 |
| 0C24036-CAL2 | 1 | 305632 | 305632.000 | 7.24 |
| 0C24036-CAL3 | 2 | 619769 | 309884.500 | 7.23 |
| 0C24036-CAL4 | 5 | 1544609 | 308921.800 | 7.23 |
| 0C24036-CAL5 | 10 | 3066052 | 306605.200 | 7.23 |
| 0C24036-CAL6 | 25 | 7763079 | 310523.200 | 7.23 |
| 0C24036-CAL7 | 50 | 1.661564E+07 | 332312.800 | 7.23 |
| 0C24036-CAL8 | 100 | 3.632139E+07 | 363213.900 | 7.23 |
| 0C24036-CAL9 | 200 | 7.85301E+07 | 392650.500 | 7.23 |

AVE RF 326551.500 RF RSD 9.52 AVE RT 7.23

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

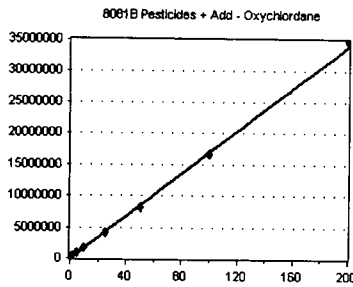
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Oxychlorane

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

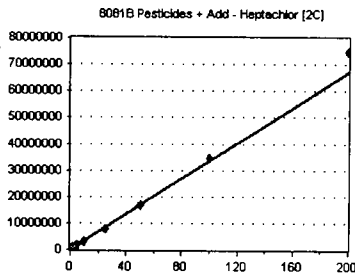


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OC24036-CALA | 0.5 | 123441 | 246882.000 | 7.25 |
| OC24036-CALB | 1 | 228603 | 228603.000 | 7.25 |
| OC24036-CALC | 2 | 386790 | 193395.000 | 7.25 |
| OC24036-CALD | 5 | 875331 | 175066.200 | 7.25 |
| OC24036-CALE | 10 | 1728237 | 172823.700 | 7.25 |
| OC24036-CALF | 25 | 4237766 | 169510.600 | 7.25 |
| OC24036-CALG | 50 | 8147960 | 162959.200 | 7.25 |
| OC24036-CALH | 100 | 1.656567E+07 | 165656.700 | 7.25 |
| OC24036-CALI | 200 | 3.48185E+07 | 174092.500 | 7.25 |

AVE RF 187665.400 RF RSD 15.99 AVE RT 7.25

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

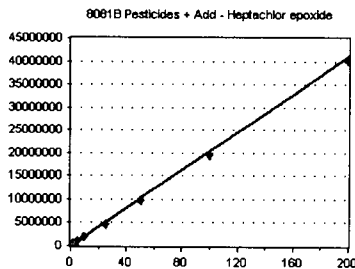


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OC24036-CAL1 | 0.5 | 176454 | 352908.000 | 7.29 |
| OC24036-CAL2 | 1 | 329837 | 329837.000 | 7.29 |
| OC24036-CAL3 | 2 | 669996 | 334998.000 | 7.29 |
| OC24036-CAL4 | 5 | 1622489 | 324497.800 | 7.29 |
| OC24036-CAL5 | 10 | 3095659 | 309565.900 | 7.29 |
| OC24036-CAL6 | 25 | 7620334 | 304813.400 | 7.29 |
| OC24036-CAL7 | 50 | 1.695188E+07 | 339037.600 | 7.29 |
| OC24036-CAL8 | 100 | 3.464132E+07 | 346413.200 | 7.29 |
| OC24036-CAL9 | 200 | 7.484963E+07 | 374248.200 | 7.29 |

AVE RF 335146.600 RF RSD 6.42 AVE RT 7.29

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

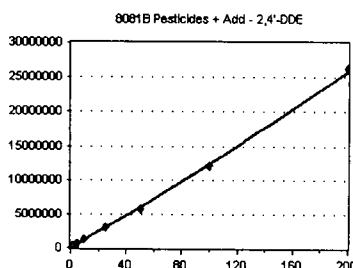


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OC24036-CAL1 | 0.5 | 116602 | 233204.000 | 7.33 |
| OC24036-CAL2 | 1 | 224847 | 224847.000 | 7.33 |
| OC24036-CAL3 | 2 | 421620 | 210810.000 | 7.33 |
| OC24036-CAL4 | 5 | 1022828 | 204565.600 | 7.33 |
| OC24036-CAL5 | 10 | 1918192 | 191819.200 | 7.33 |
| OC24036-CAL6 | 25 | 4717307 | 188692.300 | 7.33 |
| OC24036-CAL7 | 50 | 9785678 | 195713.600 | 7.33 |
| OC24036-CAL8 | 100 | 1.937998E+07 | 193799.800 | 7.32 |
| OC24036-CAL9 | 200 | 4.021854E+07 | 201092.700 | 7.32 |

AVE RF 204949.300 RF RSD 7.50 AVE RT 7.33

2,4'-DDE

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| OC24036-CALA | 0.5 | 83210 | 166420.000 | 7.33 |
| OC24036-CALB | 1 | 156744 | 156744.000 | 7.33 |
| OC24036-CALC | 2 | 267207 | 133603.500 | 7.33 |
| OC24036-CALD | 5 | 627099 | 125419.800 | 7.33 |
| OC24036-CALE | 10 | 1237758 | 123775.800 | 7.33 |
| OC24036-CALF | 25 | 3019471 | 120778.800 | 7.33 |
| OC24036-CALG | 50 | 5911849 | 118237.000 | 7.33 |
| OC24036-CALH | 100 | 1.222521E+07 | 122252.100 | 7.33 |
| OC24036-CALI | 200 | 2.619282E+07 | 130964.100 | 7.33 |

AVE RF 133132.800 RF RSD 12.76 AVE RT 7.33

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

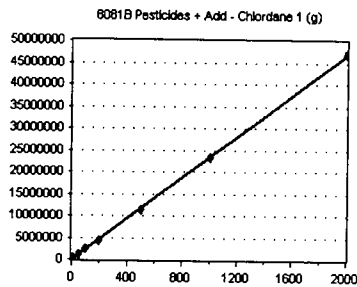
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

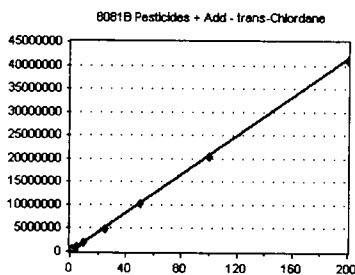


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 246826 | 24682.600 | 7.42 |
| 0C24036-CALK | 50 | 1102563 | 22051.260 | 7.42 |
| 0C24036-CALL | 100 | 2486496 | 24864.960 | 7.42 |
| 0C24036-CALM | 200 | 4452138 | 22260.690 | 7.42 |
| 0C24036-CALN | 500 | 1.135004E+07 | 22700.080 | 7.42 |
| 0C24036-CALO | 1000 | 2.333562E+07 | 23335.620 | 7.42 |
| 0C24036-CALP | 2000 | 4.699949E+07 | 23499.740 | 7.42 |

AVE RF 23342.140 **RF RSD** 4.75 **AVE RT** 7.42

trans-Chlordane

Curve Fit: **AVERAGE RF**

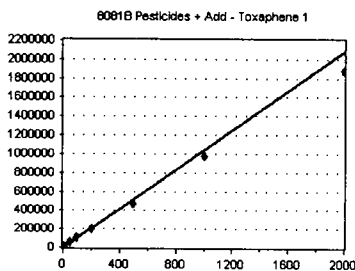


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 117895 | 235790.000 | 7.42 |
| 0C24036-CAL2 | 1 | 218460 | 218460.000 | 7.42 |
| 0C24036-CAL3 | 2 | 420963 | 210481.500 | 7.42 |
| 0C24036-CAL4 | 5 | 1026948 | 205389.600 | 7.42 |
| 0C24036-CAL5 | 10 | 1997780 | 199778.000 | 7.42 |
| 0C24036-CAL6 | 25 | 4840892 | 193635.700 | 7.42 |
| 0C24036-CAL7 | 50 | 1.017515E+07 | 203503.000 | 7.42 |
| 0C24036-CAL8 | 100 | 2.033734E+07 | 203373.400 | 7.42 |
| 0C24036-CAL9 | 200 | 4.11481E+07 | 205740.500 | 7.42 |

AVE RF 208461.300 **RF RSD** 5.91 **AVE RT** 7.42

Toxaphene 1

Curve Fit: **AVERAGE RF**

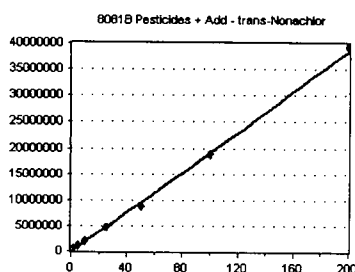


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 11225 | 1122.500 | 7.50 |
| 0C24036-CALR | 50 | 59017 | 1180.340 | 7.50 |
| 0C24036-CALS | 100 | 111060 | 1110.600 | 7.50 |
| 0C24036-CALT | 200 | 198022 | 990.110 | 7.50 |
| 0C24036-CALU | 500 | 474801 | 949.602 | 7.49 |
| 0C24036-CALV | 1000 | 980575 | 980.575 | 7.49 |
| 0C24036-CALW | 2000 | 1881314 | 940.657 | 7.49 |

AVE RF 1039.198 **RF RSD** 9.26 **AVE RT** 7.50

trans-Nonachlor

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 138714 | 277428.000 | 7.51 |
| 0C24036-CALB | 1 | 250677 | 250677.000 | 7.51 |
| 0C24036-CALC | 2 | 423056 | 211528.000 | 7.51 |
| 0C24036-CALD | 5 | 981829 | 196365.800 | 7.51 |
| 0C24036-CALE | 10 | 1958355 | 195835.500 | 7.51 |
| 0C24036-CALF | 25 | 4770432 | 190817.300 | 7.51 |
| 0C24036-CALG | 50 | 8939479 | 178789.600 | 7.51 |
| 0C24036-CALH | 100 | 1.872351E+07 | 187235.100 | 7.51 |
| 0C24036-CALI | 200 | 3.94132E+07 | 197066.000 | 7.51 |

AVE RF 209526.900 **RF RSD** 15.66 **AVE RT** 7.51

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

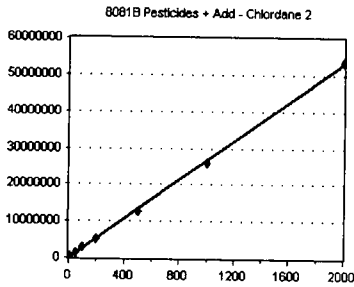
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 2

Curve Fit: **AVERAGE RF**

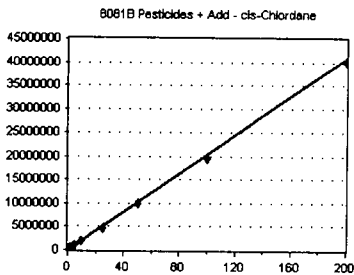


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 282652 | 28265.200 | 7.51 |
| 0C24036-CALK | 50 | 1304898 | 26097.960 | 7.51 |
| 0C24036-CALL | 100 | 2775023 | 27750.230 | 7.51 |
| 0C24036-CALM | 200 | 5100975 | 25504.880 | 7.51 |
| 0C24036-CALN | 500 | 1.274378E+07 | 25487.560 | 7.51 |
| 0C24036-CALO | 1000 | 2.606777E+07 | 26067.770 | 7.51 |
| 0C24036-CALP | 2000 | 5.338566E+07 | 26692.830 | 7.51 |

AVE RF 26552.350 **RF RSD** 4.09 **AVE RT** 7.51

cis-Chlordane

Curve Fit: **AVERAGE RF**

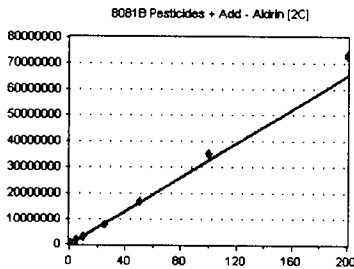


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 120376 | 240752.000 | 7.52 |
| 0C24036-CAL2 | 1 | 222249 | 222249.000 | 7.52 |
| 0C24036-CAL3 | 2 | 418487 | 209243.500 | 7.52 |
| 0C24036-CAL4 | 5 | 1009258 | 201851.600 | 7.52 |
| 0C24036-CAL5 | 10 | 1892390 | 189239.000 | 7.52 |
| 0C24036-CAL6 | 25 | 4673568 | 186942.700 | 7.52 |
| 0C24036-CAL7 | 50 | 9884511 | 197690.200 | 7.52 |
| 0C24036-CAL8 | 100 | 1.943437E+07 | 194343.700 | 7.52 |
| 0C24036-CAL9 | 200 | 4.015165E+07 | 200758.200 | 7.52 |

AVE RF 204785.600 **RF RSD** 8.39 **AVE RT** 7.52

Aldrin [2C]

Curve Fit: **AVERAGE RF**

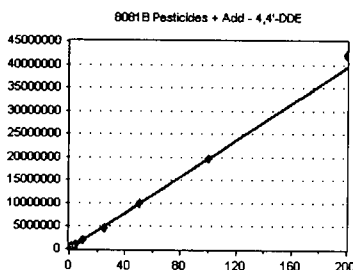


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 161744 | 323488.000 | 7.56 |
| 0C24036-CAL2 | 1 | 307770 | 307770.000 | 7.56 |
| 0C24036-CAL3 | 2 | 627199 | 313599.500 | 7.55 |
| 0C24036-CAL4 | 5 | 1571627 | 314325.400 | 7.55 |
| 0C24036-CAL5 | 10 | 3095998 | 309599.800 | 7.56 |
| 0C24036-CAL6 | 25 | 7846063 | 313842.500 | 7.55 |
| 0C24036-CAL7 | 50 | 1.677141E+07 | 335428.200 | 7.55 |
| 0C24036-CAL8 | 100 | 3.494775E+07 | 349477.500 | 7.55 |
| 0C24036-CAL9 | 200 | 7.307426E+07 | 365371.300 | 7.55 |

AVE RF 325878.000 **RF RSD** 6.17 **AVE RT** 7.55

4,4'-DDE

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 104194 | 208388.000 | 7.58 |
| 0C24036-CAL2 | 1 | 200955 | 200955.000 | 7.58 |
| 0C24036-CAL3 | 2 | 377407 | 188703.500 | 7.58 |
| 0C24036-CAL4 | 5 | 966330 | 193266.000 | 7.58 |
| 0C24036-CAL5 | 10 | 1899226 | 189922.600 | 7.58 |
| 0C24036-CAL6 | 25 | 4679040 | 187161.600 | 7.58 |
| 0C24036-CAL7 | 50 | 9875598 | 197512.000 | 7.58 |
| 0C24036-CAL8 | 100 | 1.982E+07 | 198200.000 | 7.58 |
| 0C24036-CAL9 | 200 | 4.197782E+07 | 209889.100 | 7.58 |

AVE RF 197110.900 **RF RSD** 4.18 **AVE RT** 7.58

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

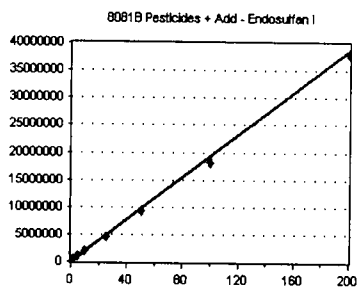
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan I

Curve Fit: **AVERAGE RF**

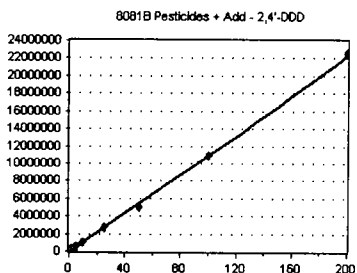


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 109155 | 218310.000 | 7.62 |
| 0C24036-CAL2 | 1 | 202673 | 202673.000 | 7.62 |
| 0C24036-CAL3 | 2 | 394005 | 197002.500 | 7.62 |
| 0C24036-CAL4 | 5 | 985546 | 197109.200 | 7.62 |
| 0C24036-CAL5 | 10 | 1839301 | 183930.100 | 7.62 |
| 0C24036-CAL6 | 25 | 4539125 | 181565.000 | 7.62 |
| 0C24036-CAL7 | 50 | 9377081 | 187541.600 | 7.61 |
| 0C24036-CAL8 | 100 | 1.820286E+07 | 182028.600 | 7.61 |
| 0C24036-CAL9 | 200 | 3.797769E+07 | 189888.400 | 7.61 |

AVE RF 193338.700 **RF RSD** 6.17 **AVE RT** 7.62

2,4'-DDD

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

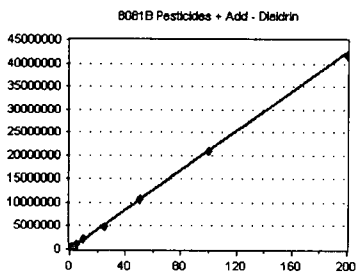


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 79625 | 159250.000 | 7.70 |
| 0C24036-CALB | 1 | 148717 | 148717.000 | 7.70 |
| 0C24036-CALC | 2 | 239865 | 119932.500 | 7.70 |
| 0C24036-CALD | 5 | 556778 | 111355.600 | 7.70 |
| 0C24036-CALE | 10 | 1077430 | 107743.000 | 7.70 |
| 0C24036-CALF | 25 | 2695196 | 107807.800 | 7.70 |
| 0C24036-CALG | 50 | 5120535 | 102410.700 | 7.70 |
| 0C24036-CALH | 100 | 1.08538E+07 | 108538.000 | 7.70 |
| 0C24036-CALI | 200 | 2.256642E+07 | 112832.100 | 7.70 |

AVE RF 119843.000 **RF RSD** 16.77 **AVE RT** 7.70

Dieldrin

Curve Fit: **AVERAGE RF**

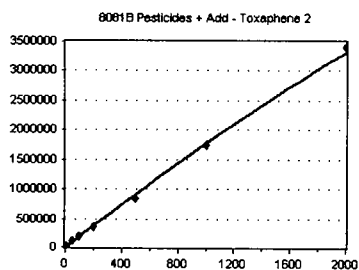


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 115621 | 231242.000 | 7.79 |
| 0C24036-CAL2 | 1 | 219208 | 219208.000 | 7.79 |
| 0C24036-CAL3 | 2 | 423831 | 211915.500 | 7.79 |
| 0C24036-CAL4 | 5 | 1062097 | 212419.400 | 7.79 |
| 0C24036-CAL5 | 10 | 2075053 | 207505.300 | 7.79 |
| 0C24036-CAL6 | 25 | 4973639 | 198945.600 | 7.79 |
| 0C24036-CAL7 | 50 | 1.0681E+07 | 213620.000 | 7.79 |
| 0C24036-CAL8 | 100 | 2.083451E+07 | 208345.100 | 7.79 |
| 0C24036-CAL9 | 200 | 4.179034E+07 | 208951.700 | 7.79 |

AVE RF 212461.400 **RF RSD** 4.20 **AVE RT** 7.79

Toxaphene 2

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 23053 | 2305.300 | 7.79 |
| 0C24036-CALR | 50 | 106574 | 2131.480 | 7.79 |
| 0C24036-CALS | 100 | 197990 | 1979.900 | 7.79 |
| 0C24036-CALT | 200 | 356203 | 1781.015 | 7.79 |
| 0C24036-CALU | 500 | 859180 | 1718.360 | 7.79 |
| 0C24036-CALV | 1000 | 1744371 | 1744.371 | 7.79 |
| 0C24036-CALW | 2000 | 3407462 | 1703.731 | 7.79 |

AVE RF 1909.165 **RF RSD** 12.35 **AVE RT** 7.79

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

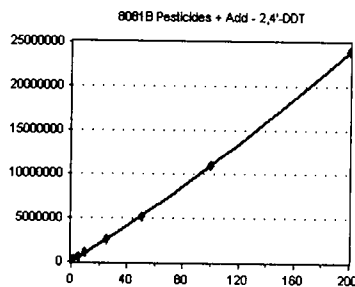
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

2,4'-DDT

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

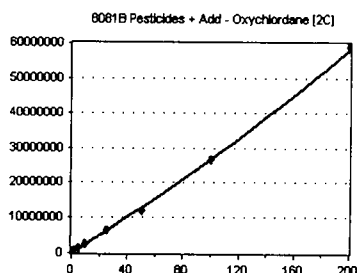


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 67791 | 135582.000 | 7.89 |
| 0C24036-CALB | 1 | 129911 | 129911.000 | 7.88 |
| 0C24036-CALC | 2 | 208673 | 104336.500 | 7.88 |
| 0C24036-CALD | 5 | 500416 | 100083.200 | 7.88 |
| 0C24036-CALE | 10 | 1038872 | 103887.200 | 7.88 |
| 0C24036-CALF | 25 | 2624036 | 104961.400 | 7.88 |
| 0C24036-CALG | 50 | 5109282 | 102185.600 | 7.88 |
| 0C24036-CALH | 100 | 1.094737E+07 | 109473.700 | 7.88 |
| 0C24036-CALI | 200 | 2.41025E+07 | 120512.500 | 7.88 |

AVE RF 112325.900 RF RSD 11.64 AVE RT 7.88

Oxychlorane [2C]

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

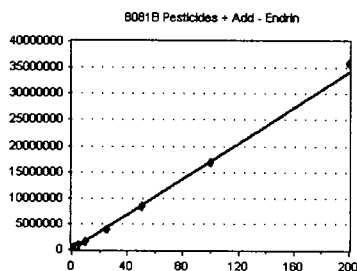


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 180540 | 361080.000 | 7.92 |
| 0C24036-CALB | 1 | 334034 | 334034.000 | 7.92 |
| 0C24036-CALC | 2 | 549047 | 274523.500 | 7.92 |
| 0C24036-CALD | 5 | 1273733 | 254746.600 | 7.92 |
| 0C24036-CALE | 10 | 2482080 | 248208.000 | 7.92 |
| 0C24036-CALF | 25 | 6370353 | 254814.100 | 7.92 |
| 0C24036-CALG | 50 | 1.214358E+07 | 242871.600 | 7.92 |
| 0C24036-CALH | 100 | 2.649064E+07 | 264906.400 | 7.92 |
| 0C24036-CALI | 200 | 5.887884E+07 | 294394.200 | 7.92 |

AVE RF 281064.300 RF RSD 14.67 AVE RT 7.92

Endrin

Curve Fit: **AVERAGE RF**

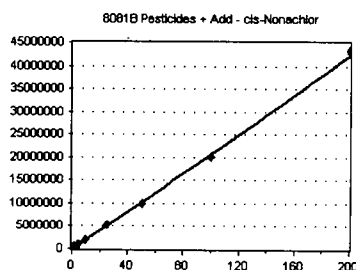


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 94731 | 189462.000 | 7.95 |
| 0C24036-CAL2 | 1 | 176915 | 176915.000 | 7.96 |
| 0C24036-CAL3 | 2 | 337729 | 168864.500 | 7.95 |
| 0C24036-CAL4 | 5 | 846370 | 169274.000 | 7.95 |
| 0C24036-CAL5 | 10 | 1604775 | 160477.500 | 7.95 |
| 0C24036-CAL6 | 25 | 3854623 | 154184.900 | 7.95 |
| 0C24036-CAL7 | 50 | 8540081 | 170801.600 | 7.95 |
| 0C24036-CAL8 | 100 | 1.693242E+07 | 169324.200 | 7.95 |
| 0C24036-CAL9 | 200 | 3.581341E+07 | 179067.000 | 7.95 |

AVE RF 170930.100 RF RSD 6.01 AVE RT 7.95

cis-Nonachlor

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 143310 | 286620.000 | 7.98 |
| 0C24036-CALB | 1 | 268101 | 268101.000 | 7.98 |
| 0C24036-CALC | 2 | 442808 | 221404.000 | 7.98 |
| 0C24036-CALD | 5 | 1044308 | 208861.600 | 7.98 |
| 0C24036-CALE | 10 | 2056686 | 205668.600 | 7.98 |
| 0C24036-CALF | 25 | 5255936 | 210237.400 | 7.98 |
| 0C24036-CALG | 50 | 9928726 | 198574.500 | 7.98 |
| 0C24036-CALH | 100 | 2.013249E+07 | 201324.900 | 7.98 |
| 0C24036-CALI | 200 | 4.320572E+07 | 216028.600 | 7.98 |

AVE RF 224091.200 RF RSD 13.98 AVE RT 7.98

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

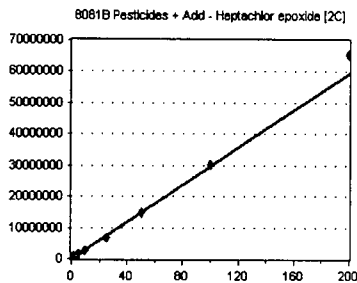
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

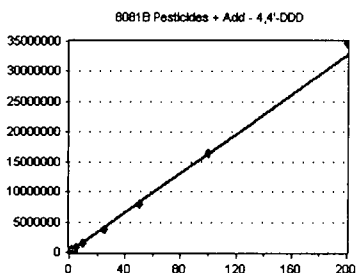


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 157622 | 315244.000 | 7.99 |
| 0C24036-CAL2 | 1 | 298486 | 298486.000 | 8.00 |
| 0C24036-CAL3 | 2 | 587296 | 293648.000 | 7.99 |
| 0C24036-CAL4 | 5 | 1429908 | 285981.600 | 7.99 |
| 0C24036-CAL5 | 10 | 2823127 | 282312.700 | 7.99 |
| 0C24036-CAL6 | 25 | 6834808 | 273392.300 | 7.99 |
| 0C24036-CAL7 | 50 | 1.487881E+07 | 297576.200 | 7.99 |
| 0C24036-CAL8 | 100 | 3.045413E+07 | 304541.300 | 7.99 |
| 0C24036-CAL9 | 200 | 6.552941E+07 | 327647.000 | 7.99 |

AVE RF 297647.700 **RF RSD** 5.61 **AVE RT** 7.99

4,4'-DDD

Curve Fit: **AVERAGE RF**

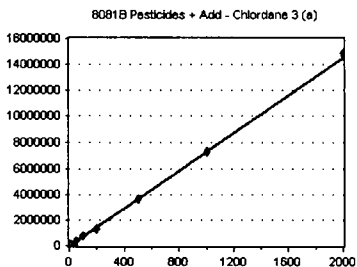


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 89339 | 178678.000 | 8.00 |
| 0C24036-CAL2 | 1 | 171895 | 171895.000 | 8.00 |
| 0C24036-CAL3 | 2 | 324983 | 162491.500 | 8.00 |
| 0C24036-CAL4 | 5 | 779676 | 155935.200 | 8.00 |
| 0C24036-CAL5 | 10 | 1528268 | 152826.800 | 8.00 |
| 0C24036-CAL6 | 25 | 3831772 | 153270.900 | 8.00 |
| 0C24036-CAL7 | 50 | 7886558 | 157731.200 | 8.00 |
| 0C24036-CAL8 | 100 | 1.637648E+07 | 163764.800 | 8.00 |
| 0C24036-CAL9 | 200 | 3.485626E+07 | 174281.300 | 8.00 |

AVE RF 163430.500 **RF RSD** 5.83 **AVE RT** 8.00

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

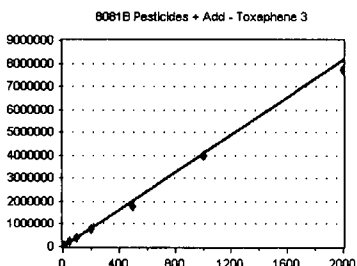


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 75022 | 7502.200 | 8.06 |
| 0C24036-CALK | 50 | 352851 | 7057.020 | 8.06 |
| 0C24036-CALL | 100 | 770343 | 7703.430 | 8.06 |
| 0C24036-CALM | 200 | 1329346 | 6646.730 | 8.07 |
| 0C24036-CALN | 500 | 3611630 | 7223.260 | 8.06 |
| 0C24036-CALO | 1000 | 7301807 | 7301.807 | 8.06 |
| 0C24036-CALP | 2000 | 1.490631E+07 | 7453.155 | 8.06 |

AVE RF 7269.657 **RF RSD** 4.74 **AVE RT** 8.06

Toxaphene 3

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 47213 | 4721.300 | 8.10 |
| 0C24036-CALR | 50 | 220625 | 4412.500 | 8.10 |
| 0C24036-CALS | 100 | 412345 | 4123.450 | 8.10 |
| 0C24036-CALT | 200 | 754269 | 3771.345 | 8.10 |
| 0C24036-CALU | 500 | 1819799 | 3639.598 | 8.10 |
| 0C24036-CALV | 1000 | 4006607 | 4006.607 | 8.10 |
| 0C24036-CALW | 2000 | 7722060 | 3861.030 | 8.10 |

AVE RF 4076.547 **RF RSD** 9.32 **AVE RT** 8.10

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

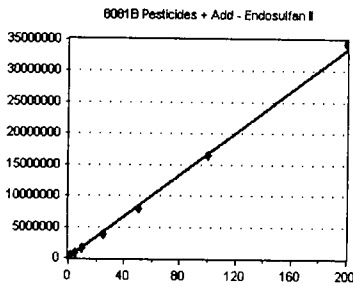
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan II

Curve Fit: **AVERAGE RF**

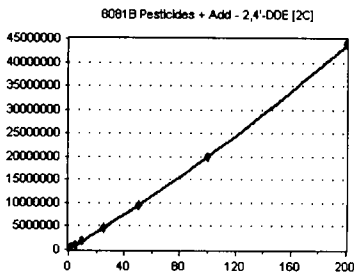


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 94859 | 189718.000 | 8.11 |
| 0C24036-CAL2 | 1 | 179623 | 179623.000 | 8.11 |
| 0C24036-CAL3 | 2 | 336277 | 168138.500 | 8.11 |
| 0C24036-CAL4 | 5 | 815737 | 163147.400 | 8.11 |
| 0C24036-CAL5 | 10 | 1565837 | 156583.700 | 8.11 |
| 0C24036-CAL6 | 25 | 3858748 | 154349.900 | 8.11 |
| 0C24036-CAL7 | 50 | 8018318 | 160366.400 | 8.11 |
| 0C24036-CAL8 | 100 | 1.637086E+07 | 163708.600 | 8.11 |
| 0C24036-CAL9 | 200 | 3.445624E+07 | 172281.200 | 8.11 |

AVE RF 167546.300 **RF RSD** 6.81 **AVE RT** 8.11

2,4'-DDE [2C]

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

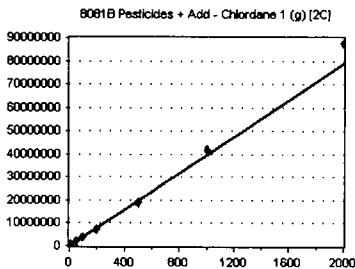


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 124973 | 249946.000 | 8.13 |
| 0C24036-CALB | 1 | 238501 | 238501.000 | 8.12 |
| 0C24036-CALC | 2 | 397498 | 198749.000 | 8.13 |
| 0C24036-CALD | 5 | 936012 | 187202.400 | 8.12 |
| 0C24036-CALE | 10 | 1859258 | 185925.800 | 8.13 |
| 0C24036-CALF | 25 | 4614869 | 184594.800 | 8.12 |
| 0C24036-CALG | 50 | 9372906 | 187458.100 | 8.12 |
| 0C24036-CALH | 100 | 1.987833E+07 | 198783.300 | 8.12 |
| 0C24036-CALI | 200 | 4.413956E+07 | 220697.800 | 8.13 |

AVE RF 205762.000 **RF RSD** 11.99 **AVE RT** 8.12

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

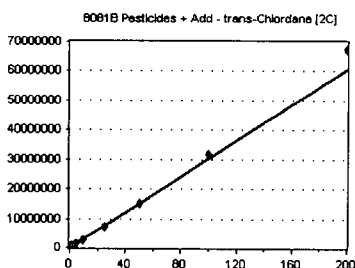


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 385659 | 38565.900 | 8.13 |
| 0C24036-CALK | 50 | 1787615 | 35752.300 | 8.13 |
| 0C24036-CALL | 100 | 4070319 | 40703.190 | 8.13 |
| 0C24036-CALM | 200 | 7358273 | 36791.360 | 8.13 |
| 0C24036-CALN | 500 | 1.916715E+07 | 38334.300 | 8.13 |
| 0C24036-CALO | 1000 | 4.197879E+07 | 41978.790 | 8.13 |
| 0C24036-CALP | 2000 | 8.740674E+07 | 43703.370 | 8.13 |

AVE RF 39404.170 **RF RSD** 7.24 **AVE RT** 8.13

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 159223 | 318446.000 | 8.13 |
| 0C24036-CAL2 | 1 | 299115 | 299115.000 | 8.14 |
| 0C24036-CAL3 | 2 | 584049 | 292024.500 | 8.13 |
| 0C24036-CAL4 | 5 | 1462256 | 292451.200 | 8.13 |
| 0C24036-CAL5 | 10 | 2808234 | 280823.400 | 8.13 |
| 0C24036-CAL6 | 25 | 7038270 | 281530.800 | 8.13 |
| 0C24036-CAL7 | 50 | 1.529954E+07 | 305990.800 | 8.13 |
| 0C24036-CAL8 | 100 | 3.190398E+07 | 319039.800 | 8.13 |
| 0C24036-CAL9 | 200 | 6.742387E+07 | 337119.400 | 8.13 |

AVE RF 302949.000 **RF RSD** 6.25 **AVE RT** 8.13

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

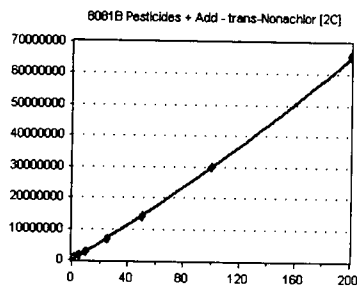
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

trans-Nonachlor [2C]

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

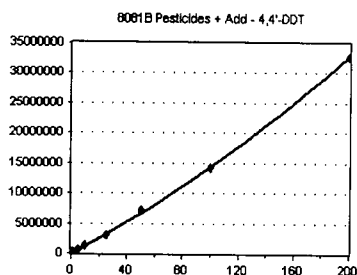


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 194733 | 389466.000 | 8.20 |
| 0C24036-CALB | 1 | 360386 | 360386.000 | 8.19 |
| 0C24036-CALC | 2 | 615457 | 307728.500 | 8.19 |
| 0C24036-CALD | 5 | 1410113 | 282022.600 | 8.20 |
| 0C24036-CALE | 10 | 2785866 | 278586.600 | 8.20 |
| 0C24036-CALF | 25 | 6929319 | 277172.800 | 8.20 |
| 0C24036-CALG | 50 | 1.383608E+07 | 276721.600 | 8.19 |
| 0C24036-CALH | 100 | 2.98725E+07 | 298725.000 | 8.19 |
| 0C24036-CALI | 200 | 6.589605E+07 | 329480.300 | 8.20 |

AVE RF 311143.300 RF RSD 13.11 AVE RT 8.20

4,4'-DDT

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

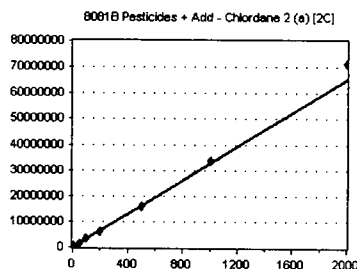


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 64160 | 128320.000 | 8.20 |
| 0C24036-CAL2 | 1 | 121352 | 121352.000 | 8.20 |
| 0C24036-CAL3 | 2 | 239428 | 119714.000 | 8.20 |
| 0C24036-CAL4 | 5 | 628966 | 125793.200 | 8.20 |
| 0C24036-CAL5 | 10 | 1240165 | 124016.500 | 8.20 |
| 0C24036-CAL6 | 25 | 3040414 | 121616.600 | 8.20 |
| 0C24036-CAL7 | 50 | 7151642 | 143032.800 | 8.20 |
| 0C24036-CAL8 | 100 | 1.414211E+07 | 141421.100 | 8.20 |
| 0C24036-CAL9 | 200 | 3.276034E+07 | 163801.700 | 8.20 |

AVE RF 132118.700 RF RSD 11.06 AVE RT 8.20

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

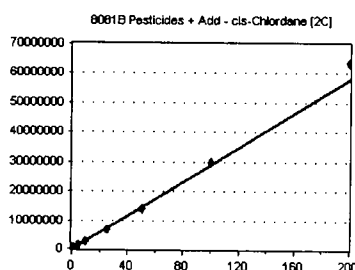


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 341698 | 34169.800 | 8.24 |
| 0C24036-CALK | 50 | 1475380 | 29507.600 | 8.24 |
| 0C24036-CALL | 100 | 3328222 | 33282.220 | 8.24 |
| 0C24036-CALM | 200 | 6135095 | 30675.470 | 8.24 |
| 0C24036-CALN | 500 | 1.608346E+07 | 32166.920 | 8.24 |
| 0C24036-CALO | 1000 | 3.385226E+07 | 33852.260 | 8.24 |
| 0C24036-CALP | 2000 | 7.117375E+07 | 35586.880 | 8.24 |

AVE RF 32748.740 RF RSD 6.44 AVE RT 8.24

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 155733 | 311466.000 | 8.24 |
| 0C24036-CAL2 | 1 | 292209 | 292209.000 | 8.24 |
| 0C24036-CAL3 | 2 | 563394 | 281697.000 | 8.24 |
| 0C24036-CAL4 | 5 | 1388464 | 277692.800 | 8.24 |
| 0C24036-CAL5 | 10 | 2750743 | 275074.300 | 8.24 |
| 0C24036-CAL6 | 25 | 6834773 | 273390.900 | 8.24 |
| 0C24036-CAL7 | 50 | 1.409321E+07 | 281864.200 | 8.24 |
| 0C24036-CAL8 | 100 | 3.004717E+07 | 300471.700 | 8.24 |
| 0C24036-CAL9 | 200 | 6.353913E+07 | 317695.600 | 8.24 |

AVE RF 290173.500 RF RSD 5.62 AVE RT 8.24

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

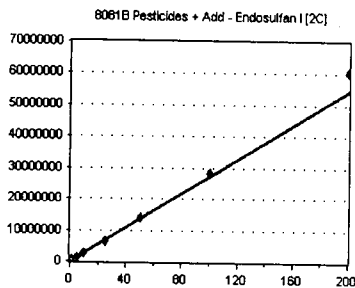
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

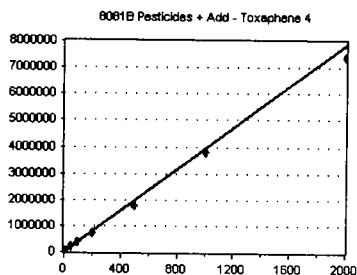


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 139375 | 278750.000 | 8.29 |
| 0C24036-CAL2 | 1 | 271030 | 271030.000 | 8.29 |
| 0C24036-CAL3 | 2 | 531137 | 265568.500 | 8.29 |
| 0C24036-CAL4 | 5 | 1319107 | 263821.400 | 8.29 |
| 0C24036-CAL5 | 10 | 2496249 | 249624.900 | 8.29 |
| 0C24036-CAL6 | 25 | 6355160 | 254206.400 | 8.29 |
| 0C24036-CAL7 | 50 | 1.389193E+07 | 277838.600 | 8.29 |
| 0C24036-CAL8 | 100 | 2.826121E+07 | 282612.100 | 8.29 |
| 0C24036-CAL9 | 200 | 6.039935E+07 | 301996.800 | 8.29 |

AVE RF 271716.500 **RF RSD** 5.84 **AVE RT** 8.29

Toxaphene 4

Curve Fit: **AVERAGE RF**

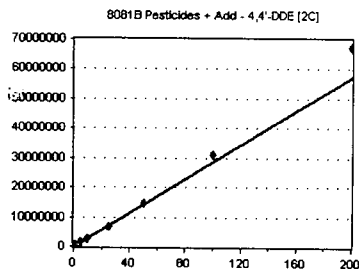


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 47569 | 4756.900 | 8.34 |
| 0C24036-CALR | 50 | 205964 | 4119.280 | 8.34 |
| 0C24036-CALS | 100 | 391751 | 3917.510 | 8.34 |
| 0C24036-CALT | 200 | 729429 | 3647.145 | 8.34 |
| 0C24036-CALU | 500 | 1782592 | 3565.184 | 8.34 |
| 0C24036-CALV | 1000 | 3786246 | 3786.246 | 8.34 |
| 0C24036-CALW | 2000 | 7409380 | 3704.690 | 8.34 |

AVE RF 3928.136 **RF RSD** 10.41 **AVE RT** 8.34

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

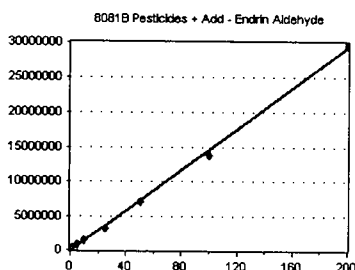


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 137534 | 275068.000 | 8.35 |
| 0C24036-CAL2 | 1 | 269052 | 269052.000 | 8.35 |
| 0C24036-CAL3 | 2 | 535383 | 267691.500 | 8.35 |
| 0C24036-CAL4 | 5 | 1383430 | 276686.000 | 8.35 |
| 0C24036-CAL5 | 10 | 2682066 | 268206.600 | 8.35 |
| 0C24036-CAL6 | 25 | 6917688 | 276707.500 | 8.35 |
| 0C24036-CAL7 | 50 | 1.480973E+07 | 296194.600 | 8.35 |
| 0C24036-CAL8 | 100 | 3.110809E+07 | 311080.900 | 8.35 |
| 0C24036-CAL9 | 200 | 6.727619E+07 | 336381.000 | 8.35 |

AVE RF 286340.900 **RF RSD** 8.28 **AVE RT** 8.35

Endrin Aldehyde

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 134379 | 268758.000 | 8.40 |
| 0C24036-CAL2 | 4 | 255838 | 255838.000 | 8.40 |
| 0C24036-CAL3 | 2 | 339697 | 169848.500 | 8.40 |
| 0C24036-CAL4 | 5 | 757621 | 151524.200 | 8.40 |
| 0C24036-CAL5 | 10 | 1418667 | 141866.700 | 8.40 |
| 0C24036-CAL6 | 25 | 3315527 | 132621.100 | 8.40 |
| 0C24036-CAL7 | 50 | 7114178 | 142283.600 | 8.40 |
| 0C24036-CAL8 | 100 | 1.379582E+07 | 137958.200 | 8.40 |
| 0C24036-CAL9 | 200 | 2.970084E+07 | 148504.200 | 8.40 |

AVE RF 146372.300 **RF RSD** 8.27 **AVE RT** 8.40

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

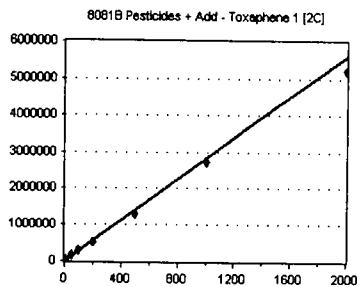
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

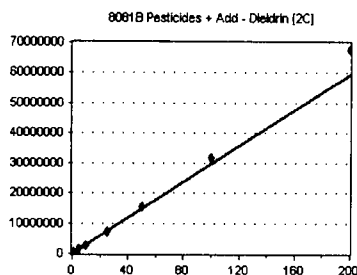


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 31297 | 3129.700 | 8.47 |
| 0C24036-CALR | 50 | 156382 | 3127.640 | 8.47 |
| 0C24036-CALS | 100 | 287265 | 2872.650 | 8.47 |
| 0C24036-CALT | 200 | 532496 | 2662.480 | 8.47 |
| 0C24036-CALU | 500 | 1284194 | 2568.388 | 8.47 |
| 0C24036-CALV | 1000 | 2709679 | 2709.679 | 8.47 |
| 0C24036-CALW | 2000 | 5232351 | 2616.176 | 8.47 |

AVE RF 2812.388 RF RSD 8.40 AVE RT 8.47

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

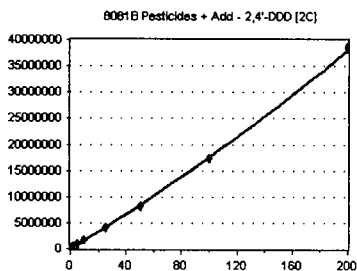


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 146999 | 293998.000 | 8.49 |
| 0C24036-CAL2 | 1 | 291990 | 291990.000 | 8.49 |
| 0C24036-CAL3 | 2 | 559484 | 279742.000 | 8.49 |
| 0C24036-CAL4 | 5 | 1421532 | 284306.400 | 8.49 |
| 0C24036-CAL5 | 10 | 2800716 | 280071.600 | 8.49 |
| 0C24036-CAL6 | 25 | 7072067 | 282882.700 | 8.49 |
| 0C24036-CAL7 | 50 | 1.536627E+07 | 307325.400 | 8.49 |
| 0C24036-CAL8 | 100 | 3.181772E+07 | 318177.200 | 8.49 |
| 0C24036-CAL9 | 200 | 6.782454E+07 | 339122.700 | 8.49 |

AVE RF 297512.900 RF RSD 6.83 AVE RT 8.49

2,4'-DDD [2C]

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

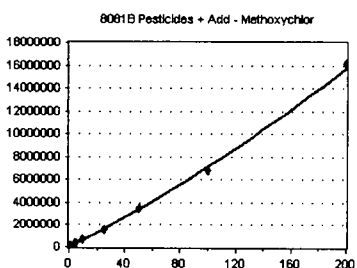


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 121076 | 242152.000 | 8.50 |
| 0C24036-CALB | 1 | 222099 | 222099.000 | 8.50 |
| 0C24036-CALC | 2 | 366090 | 183045.000 | 8.50 |
| 0C24036-CALD | 5 | 847949 | 169589.800 | 8.50 |
| 0C24036-CALE | 10 | 1664096 | 166409.600 | 8.50 |
| 0C24036-CALF | 25 | 4129897 | 165195.900 | 8.50 |
| 0C24036-CALG | 50 | 8137483 | 162749.700 | 8.50 |
| 0C24036-CALH | 100 | 1.726527E+07 | 172652.700 | 8.50 |
| 0C24036-CALI | 200 | 3.869511E+07 | 193475.600 | 8.50 |

AVE RF 186374.400 RF RSD 15.09 AVE RT 8.50

Methoxychlor

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



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 42088 | 84176.000 | 8.53 |
| 0C24036-CAL2 | 1 | 79126 | 79126.000 | 8.54 |
| 0C24036-CAL3 | 2 | 141470 | 70735.000 | 8.53 |
| 0C24036-CAL4 | 5 | 355516 | 71103.200 | 8.53 |
| 0C24036-CAL5 | 10 | 649462 | 64946.200 | 8.53 |
| 0C24036-CAL6 | 25 | 1519078 | 60763.120 | 8.53 |
| 0C24036-CAL7 | 50 | 3473614 | 69472.280 | 8.53 |
| 0C24036-CAL8 | 100 | 6822606 | 68226.060 | 8.53 |
| 0C24036-CAL9 | 200 | 1.617687E+07 | 80884.350 | 8.53 |

AVE RF 72159.130 RF RSD 10.70 AVE RT 8.53

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

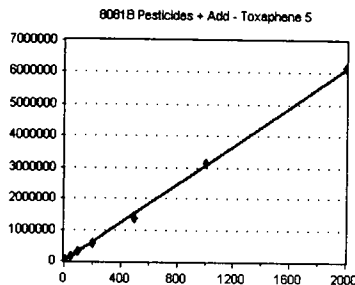
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 5

Curve Fit: **AVERAGE RF**

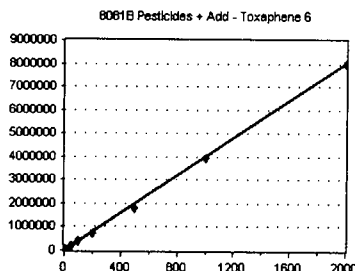


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 32950 | 3295.000 | 8.57 |
| 0C24036-CALR | 50 | 160219 | 3204.380 | 8.57 |
| 0C24036-CALS | 100 | 313162 | 3131.620 | 8.57 |
| 0C24036-CALT | 200 | 576091 | 2880.455 | 8.57 |
| 0C24036-CALU | 500 | 1366223 | 2732.446 | 8.57 |
| 0C24036-CALV | 1000 | 3148951 | 3148.951 | 8.57 |
| 0C24036-CALW | 2000 | 6159134 | 3079.567 | 8.57 |

AVE RF 3067.488 RF RSD 6.36 AVE RT 8.57

Toxaphene 6

Curve Fit: **AVERAGE RF**

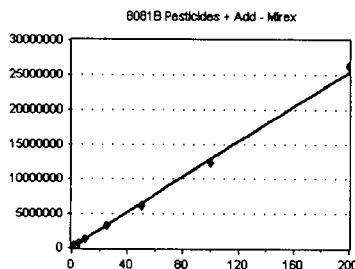


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 45333 | 4533.300 | 8.64 |
| 0C24036-CALR | 50 | 207412 | 4148.240 | 8.64 |
| 0C24036-CALS | 100 | 412942 | 4129.420 | 8.64 |
| 0C24036-CALT | 200 | 741229 | 3706.145 | 8.64 |
| 0C24036-CALU | 500 | 1789727 | 3579.454 | 8.64 |
| 0C24036-CALV | 1000 | 3945722 | 3945.722 | 8.63 |
| 0C24036-CALW | 2000 | 7995315 | 3997.657 | 8.63 |

AVE RF 4005.706 RF RSD 7.82 AVE RT 8.64

Mirex

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

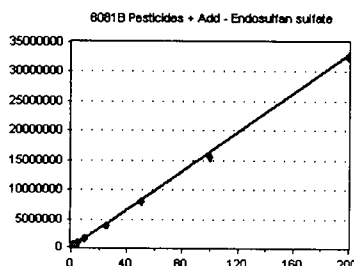


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 112691 | 225382.000 | 8.65 |
| 0C24036-CALB | 1 | 203027 | 203027.000 | 8.65 |
| 0C24036-CALC | 2 | 323334 | 161667.000 | 8.65 |
| 0C24036-CALD | 5 | 702511 | 140502.200 | 8.65 |
| 0C24036-CALE | 10 | 1334200 | 133420.000 | 8.65 |
| 0C24036-CALF | 25 | 3230934 | 129237.400 | 8.65 |
| 0C24036-CALG | 50 | 6214207 | 124284.100 | 8.65 |
| 0C24036-CALH | 100 | 1.239685E+07 | 123968.500 | 8.64 |
| 0C24036-CALI | 200 | 2.625481E+07 | 131274.000 | 8.65 |

AVE RF 152529.100 RF RSD 24.38 AVE RT 8.65

Endosulfan sulfate

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 96545 | 193090.000 | 8.70 |
| 0C24036-CAL2 | 1 | 181494 | 181494.000 | 8.70 |
| 0C24036-CAL3 | 2 | 331487 | 165743.500 | 8.70 |
| 0C24036-CAL4 | 5 | 818686 | 163737.200 | 8.70 |
| 0C24036-CAL5 | 10 | 1519791 | 151979.100 | 8.70 |
| 0C24036-CAL6 | 25 | 3693603 | 147744.100 | 8.70 |
| 0C24036-CAL7 | 50 | 7962851 | 159257.000 | 8.70 |
| 0C24036-CAL8 | 100 | 1.542722E+07 | 154272.200 | 8.70 |
| 0C24036-CAL9 | 200 | 3.251997E+07 | 162599.800 | 8.70 |

AVE RF 164435.200 RF RSD 8.82 AVE RT 8.70

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

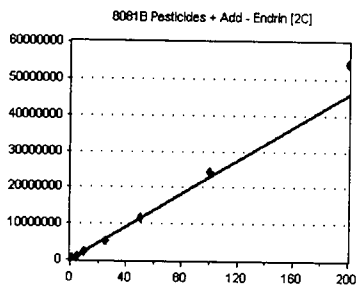
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endrin [2C]

Curve Fit: **AVERAGE RF**

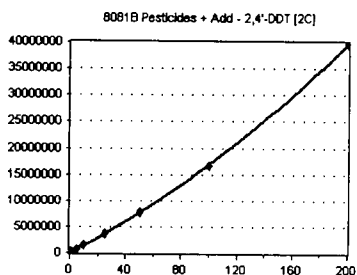


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 117807 | 235614.000 | 8.72 |
| 0C24036-CAL2 | 1 | 222568 | 222568.000 | 8.72 |
| 0C24036-CAL3 | 2 | 427288 | 213644.000 | 8.72 |
| 0C24036-CAL4 | 5 | 1113227 | 222645.400 | 8.72 |
| 0C24036-CAL5 | 10 | 2149089 | 214908.900 | 8.72 |
| 0C24036-CAL6 | 25 | 5127876 | 205115.000 | 8.72 |
| 0C24036-CAL7 | 50 | 1.171156E+07 | 234231.200 | 8.72 |
| 0C24036-CAL8 | 100 | 2.421064E+07 | 242106.400 | 8.72 |
| 0C24036-CAL9 | 200 | 5.400157E+07 | 270007.800 | 8.72 |

AVE RF 228982.300 **RF RSD** 8.47 **AVE RT** 8.72

2,4'-DDT [2C]

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

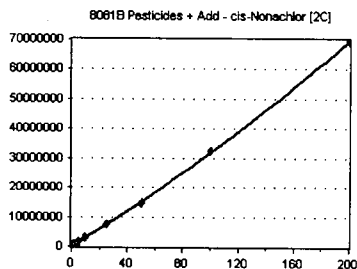


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 93729 | 187458.000 | 8.73 |
| 0C24036-CALB | 1 | 174701 | 174701.000 | 8.72 |
| 0C24036-CALC | 2 | 293188 | 146594.000 | 8.72 |
| 0C24036-CALD | 5 | 709957 | 141991.400 | 8.72 |
| 0C24036-CALE | 10 | 1455490 | 145549.000 | 8.72 |
| 0C24036-CALF | 25 | 3726920 | 149076.800 | 8.72 |
| 0C24036-CALG | 50 | 7779036 | 155580.700 | 8.72 |
| 0C24036-CALH | 100 | 1.663551E+07 | 166355.100 | 8.72 |
| 0C24036-CALI | 200 | 3.98773E+07 | 199386.500 | 8.72 |

AVE RF 162965.800 **RF RSD** 12.53 **AVE RT** 8.72

cis-Nonachlor [2C]

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

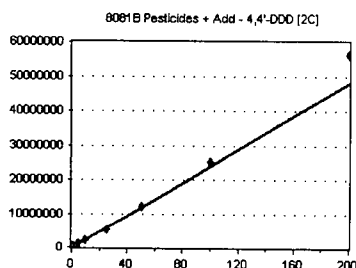


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 200734 | 401468.000 | 8.76 |
| 0C24036-CALB | 1 | 371890 | 371890.000 | 8.76 |
| 0C24036-CALC | 2 | 633230 | 316615.000 | 8.76 |
| 0C24036-CALD | 5 | 1501113 | 300222.600 | 8.76 |
| 0C24036-CALE | 10 | 2912480 | 291248.000 | 8.76 |
| 0C24036-CALF | 25 | 7435646 | 297425.800 | 8.76 |
| 0C24036-CALG | 50 | 1.483208E+07 | 296641.600 | 8.76 |
| 0C24036-CALH | 100 | 3.244128E+07 | 324412.800 | 8.76 |
| 0C24036-CALI | 200 | 6.954273E+07 | 347713.600 | 8.76 |

AVE RF 327515.300 **RF RSD** 11.77 **AVE RT** 8.76

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 121353 | 242706.000 | 8.77 |
| 0C24036-CAL2 | 1 | 235370 | 235370.000 | 8.77 |
| 0C24036-CAL3 | 2 | 459481 | 229740.500 | 8.76 |
| 0C24036-CAL4 | 5 | 1150449 | 230089.800 | 8.76 |
| 0C24036-CAL5 | 10 | 2247089 | 224708.900 | 8.76 |
| 0C24036-CAL6 | 25 | 5545997 | 221839.900 | 8.76 |
| 0C24036-CAL7 | 50 | 1.227476E+07 | 245495.200 | 8.76 |
| 0C24036-CAL8 | 100 | 2.526885E+07 | 252688.500 | 8.76 |
| 0C24036-CAL9 | 200 | 5.6579E+07 | 282895.000 | 8.76 |

AVE RF 240614.900 **RF RSD** 7.81 **AVE RT** 8.76

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

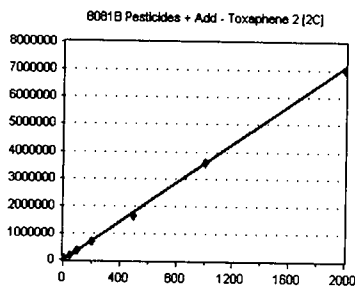
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

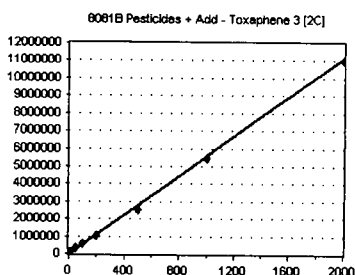


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0C24036-CALQ | 10 | 38990 | 3899.000 | 8.82 |
| 0C24036-CALR | 50 | 191843 | 3836.860 | 8.82 |
| 0C24036-CALS | 100 | 355195 | 3551.950 | 8.82 |
| 0C24036-CALT | 200 | 676906 | 3384.530 | 8.82 |
| 0C24036-CALU | 500 | 1632080 | 3264.160 | 8.82 |
| 0C24036-CALV | 1000 | 3583528 | 3583.528 | 8.82 |
| 0C24036-CALW | 2000 | 6997810 | 3498.905 | 8.82 |

AVE RF 3574.133 RF RSD 6.39 AVE RT 8.82

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

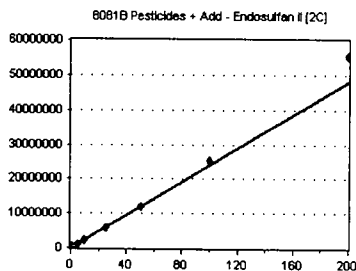


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALQ | 10 | 64506 | 6450.600 | 8.85 |
| 0C24036-CALR | 50 | 293570 | 5871.400 | 8.85 |
| 0C24036-CALS | 100 | 562449 | 5624.490 | 8.85 |
| 0C24036-CALT | 200 | 1026403 | 5132.015 | 8.85 |
| 0C24036-CALU | 500 | 2521196 | 5042.392 | 8.85 |
| 0C24036-CALV | 1000 | 5442521 | 5442.521 | 8.85 |
| 0C24036-CALW | 2000 | 1.104245E+07 | 5521.225 | 8.85 |

AVE RF 5583.520 RF RSD 8.52 AVE RT 8.85

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

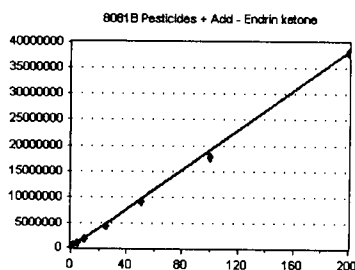


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 127427 | 254854.000 | 8.87 |
| 0C24036-CAL2 | 1 | 236237 | 236237.000 | 8.87 |
| 0C24036-CAL3 | 2 | 458827 | 229413.500 | 8.87 |
| 0C24036-CAL4 | 5 | 1121325 | 224265.000 | 8.87 |
| 0C24036-CAL5 | 10 | 2179899 | 217989.900 | 8.87 |
| 0C24036-CAL6 | 25 | 5692155 | 227686.200 | 8.87 |
| 0C24036-CAL7 | 50 | 1.18898E+07 | 237796.000 | 8.87 |
| 0C24036-CAL8 | 100 | 2.539344E+07 | 253934.400 | 8.87 |
| 0C24036-CAL9 | 200 | 5.538608E+07 | 276930.400 | 8.87 |

AVE RF 239900.700 RF RSD 7.79 AVE RT 8.87

Endrin ketone

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 113093 | 226186.000 | 8.90 |
| 0C24036-CAL2 | 1 | 212548 | 212548.000 | 8.90 |
| 0C24036-CAL3 | 2 | 384343 | 192171.500 | 8.90 |
| 0C24036-CAL4 | 5 | 944342 | 188868.400 | 8.90 |
| 0C24036-CAL5 | 10 | 1786134 | 178613.400 | 8.90 |
| 0C24036-CAL6 | 25 | 4268654 | 170746.200 | 8.90 |
| 0C24036-CAL7 | 50 | 9095515 | 181910.300 | 8.90 |
| 0C24036-CAL8 | 100 | 1.769339E+07 | 176933.900 | 8.90 |
| 0C24036-CAL9 | 200 | 3.81484E+07 | 190742.000 | 8.90 |

AVE RF 190968.900 RF RSD 9.35 AVE RT 8.90

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

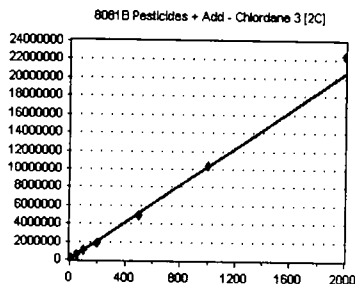
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**

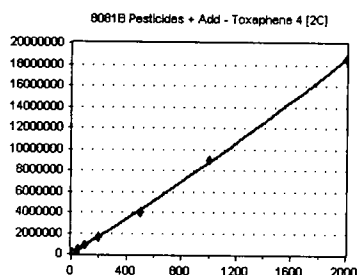


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALJ | 10 | 111290 | 11129.000 | 8.90 |
| 0C24036-CALK | 50 | 474158 | 9483.160 | 8.90 |
| 0C24036-CALL | 100 | 1039600 | 10396.000 | 8.90 |
| 0C24036-CALM | 200 | 1823031 | 9115.155 | 8.90 |
| 0C24036-CALN | 500 | 4941415 | 9882.830 | 8.90 |
| 0C24036-CALO | 1000 | 1.041749E+07 | 10417.490 | 8.90 |
| 0C24036-CALP | 2000 | 2.241816E+07 | 11209.080 | 8.90 |

AVE RF 10233.250 RF RSD 7.73 AVE RT 8.90

Toxaphene 4 [2C]

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

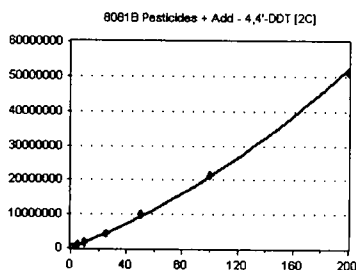


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALQ | 10 | 116261 | 11626.100 | 8.92 |
| 0C24036-CALR | 50 | 456067 | 9121.340 | 8.92 |
| 0C24036-CALS | 100 | 879719 | 8797.190 | 8.92 |
| 0C24036-CALT | 200 | 1629969 | 8149.845 | 8.92 |
| 0C24036-CALU | 500 | 4046166 | 8092.332 | 8.92 |
| 0C24036-CALV | 1000 | 8989591 | 8989.591 | 8.92 |
| 0C24036-CALW | 2000 | 1.854843E+07 | 9274.215 | 8.92 |

AVE RF 9150.088 RF RSD 12.94 AVE RT 8.92

4,4'-DDT [2C]

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

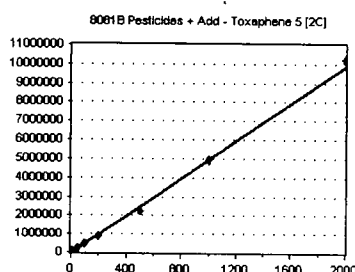


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 75283 | 150566.000 | 8.99 |
| 0C24036-CAL2 | 1 | 143366 | 143366.000 | 8.99 |
| 0C24036-CAL3 | 2 | 293276 | 146638.000 | 8.99 |
| 0C24036-CAL4 | 5 | 826552 | 165310.400 | 8.99 |
| 0C24036-CAL5 | 10 | 1621620 | 162162.000 | 8.99 |
| 0C24036-CAL6 | 25 | 4248274 | 169931.000 | 8.99 |
| 0C24036-CAL7 | 50 | 1.017678E+07 | 203535.600 | 8.99 |
| 0C24036-CAL8 | 100 | 2.132001E+07 | 213200.100 | 8.99 |
| 0C24036-CAL9 | 200 | 5.12436E+07 | 256218.000 | 8.99 |

AVE RF 178991.900 RF RSD 21.10 AVE RT 8.99

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALQ | 10 | 54945 | 5494.500 | 9.10 |
| 0C24036-CALR | 50 | 253621 | 5072.420 | 9.10 |
| 0C24036-CALS | 100 | 488364 | 4883.640 | 9.10 |
| 0C24036-CALT | 200 | 904494 | 4522.470 | 9.10 |
| 0C24036-CALU | 500 | 2276816 | 4553.632 | 9.09 |
| 0C24036-CALV | 1000 | 4954854 | 4954.854 | 9.09 |
| 0C24036-CALW | 2000 | 1.022038E+07 | 5110.190 | 9.09 |

AVE RF 4941.672 RF RSD 6.82 AVE RT 9.09

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

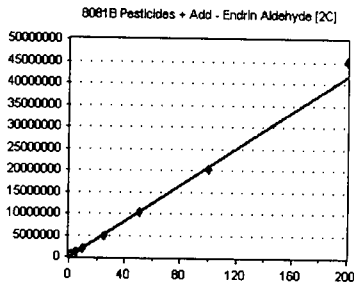
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

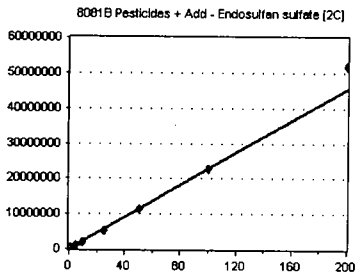


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 474071 | 348142.000 | 9.41 |
| 0C24036-CAL2 | 1 | 337369 | 337369.000 | 9.41 |
| 0C24036-CAL3 | 2 | 448662 | 224331.000 | 9.11 |
| 0C24036-CAL4 | 5 | 1046598 | 209319.600 | 9.10 |
| 0C24036-CAL5 | 10 | 1961779 | 196177.900 | 9.11 |
| 0C24036-CAL6 | 25 | 4831046 | 193241.800 | 9.10 |
| 0C24036-CAL7 | 50 | 1.013818E+07 | 202763.600 | 9.10 |
| 0C24036-CAL8 | 100 | 2.040114E+07 | 204011.400 | 9.10 |
| 0C24036-CAL9 | 200 | 4.523548E+07 | 226177.400 | 9.10 |

AVE RF 208003.200 **RF RSD** 6.21 **AVE RT** 9.10

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

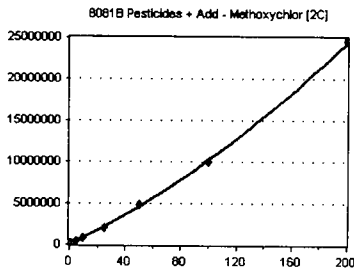


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 122422 | 244844.000 | 9.30 |
| 0C24036-CAL2 | 1 | 232214 | 232214.000 | 9.30 |
| 0C24036-CAL3 | 2 | 442393 | 221196.500 | 9.30 |
| 0C24036-CAL4 | 5 | 1094098 | 218819.600 | 9.30 |
| 0C24036-CAL5 | 10 | 2092636 | 209263.600 | 9.30 |
| 0C24036-CAL6 | 25 | 5149242 | 205969.700 | 9.30 |
| 0C24036-CAL7 | 50 | 1.145496E+07 | 229099.200 | 9.29 |
| 0C24036-CAL8 | 100 | 2.283348E+07 | 228334.800 | 9.30 |
| 0C24036-CAL9 | 200 | 5.190204E+07 | 259510.200 | 9.29 |

AVE RF 227694.600 **RF RSD** 7.38 **AVE RT** 9.30

Methoxychlor [2C]

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

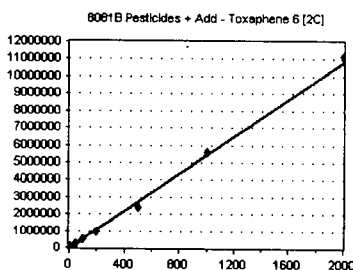


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 48420 | 96840.000 | 9.47 |
| 0C24036-CAL2 | 1 | 89258 | 89258.000 | 9.47 |
| 0C24036-CAL3 | 2 | 178580 | 89290.000 | 9.47 |
| 0C24036-CAL4 | 5 | 445546 | 89109.200 | 9.47 |
| 0C24036-CAL5 | 10 | 846036 | 84603.600 | 9.47 |
| 0C24036-CAL6 | 25 | 2040469 | 81618.760 | 9.47 |
| 0C24036-CAL7 | 50 | 4887200 | 97744.000 | 9.47 |
| 0C24036-CAL8 | 100 | 9955852 | 99558.520 | 9.47 |
| 0C24036-CAL9 | 200 | 2.459388E+07 | 122969.400 | 9.47 |

AVE RF 94554.610 **RF RSD** 12.95 **AVE RT** 9.47

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALQ | 10 | 60756 | 6075.600 | 9.48 |
| 0C24036-CALR | 50 | 273442 | 5468.840 | 9.48 |
| 0C24036-CALS | 100 | 529637 | 5296.370 | 9.48 |
| 0C24036-CALT | 200 | 998411 | 4992.055 | 9.48 |
| 0C24036-CALU | 500 | 2424995 | 4849.990 | 9.48 |
| 0C24036-CALV | 1000 | 5554464 | 5554.464 | 9.48 |
| 0C24036-CALW | 2000 | 1.118889E+07 | 5594.445 | 9.48 |

AVE RF 5404.538 **RF RSD** 7.56 **AVE RT** 9.48

Element Calibration Review Sheet

Calibration ID: **A0C2504**

Instrument: **DUALECD5**

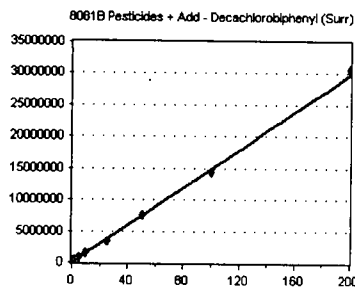
Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20032**

Decachlorobiphenyl (Surr)

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

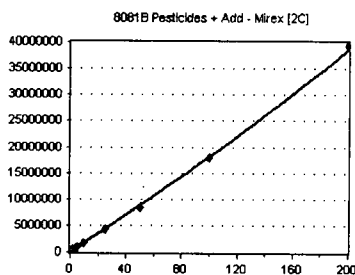


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 98116 | 196232.000 | 9.59 |
| 0C24036-CAL2 | 1 | 181183 | 181183.000 | 9.59 |
| 0C24036-CAL3 | 2 | 338359 | 169179.500 | 9.59 |
| 0C24036-CAL4 | 5 | 799034 | 159806.800 | 9.59 |
| 0C24036-CAL5 | 10 | 1476751 | 147675.100 | 9.59 |
| 0C24036-CAL6 | 25 | 3497021 | 139880.800 | 9.59 |
| 0C24036-CAL7 | 50 | 7476041 | 149520.800 | 9.59 |
| 0C24036-CAL8 | 100 | 1.431762E+07 | 143176.200 | 9.59 |
| 0C24036-CAL9 | 200 | 3.060389E+07 | 153019.500 | 9.59 |

AVE RF 159963.700 RF RSD 11.79 AVE RT 9.59

Mirex [2C]

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

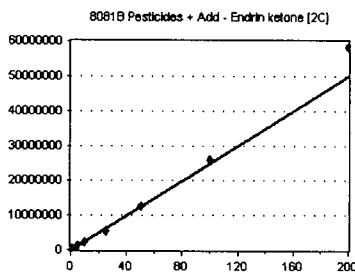


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CALA | 0.5 | 155731 | 311462.000 | 9.69 |
| 0C24036-CALB | 1 | 260806 | 260806.000 | 9.69 |
| 0C24036-CALC | 2 | 416537 | 208268.500 | 9.69 |
| 0C24036-CALD | 5 | 917688 | 183537.600 | 9.69 |
| 0C24036-CALE | 10 | 1755471 | 175547.100 | 9.69 |
| 0C24036-CALF | 25 | 4337194 | 173487.800 | 9.69 |
| 0C24036-CALG | 50 | 8504353 | 170087.100 | 9.69 |
| 0C24036-CALH | 100 | 1.789964E+07 | 178996.400 | 9.69 |
| 0C24036-CALI | 200 | 3.92653E+07 | 196326.500 | 9.69 |

AVE RF 206502.100 RF RSD 23.43 AVE RT 9.69

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

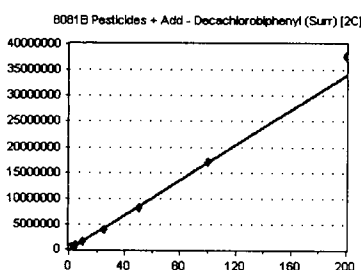


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|------|
| 0C24036-CAL1 | 0.5 | 132508 | 265016.000 | 9.70 |
| 0C24036-CAL2 | 1 | 246568 | 246568.000 | 9.70 |
| 0C24036-CAL3 | 2 | 474690 | 237345.000 | 9.70 |
| 0C24036-CAL4 | 5 | 1186676 | 237335.200 | 9.70 |
| 0C24036-CAL5 | 10 | 2307847 | 230784.700 | 9.70 |
| 0C24036-CAL6 | 25 | 5671298 | 226851.900 | 9.70 |
| 0C24036-CAL7 | 50 | 1.254734E+07 | 250946.800 | 9.70 |
| 0C24036-CAL8 | 100 | 2.579431E+07 | 257943.100 | 9.70 |
| 0C24036-CAL9 | 200 | 5.821762E+07 | 291088.100 | 9.70 |

AVE RF 249319.900 RF RSD 8.04 AVE RT 9.70

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **AVERAGE RF**



| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|--------------|-----------------|-------|
| 0C24036-CAL1 | 0.5 | 90290 | 180580.000 | 10.55 |
| 0C24036-CAL2 | 1 | 178563 | 178563.000 | 10.56 |
| 0C24036-CAL3 | 2 | 341403 | 170701.500 | 10.55 |
| 0C24036-CAL4 | 5 | 836468 | 167293.600 | 10.55 |
| 0C24036-CAL5 | 10 | 1539567 | 153956.700 | 10.55 |
| 0C24036-CAL6 | 25 | 3867029 | 154681.200 | 10.55 |
| 0C24036-CAL7 | 50 | 8231591 | 164631.800 | 10.55 |
| 0C24036-CAL8 | 100 | 1.698219E+07 | 169821.900 | 10.55 |
| 0C24036-CAL9 | 200 | 3.764612E+07 | 188230.600 | 10.55 |

AVE RF 169828.900 RF RSD 6.73 AVE RT 10.55

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

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 Additional Only (QC)
608 Pest (Chlordane)
608 Pesticides
608 Pesticides (DDT Only)
608 Pesticides (SW)
608 Pesticides (SW) Full List
608 Pesticides (TTO)
608.3 Pesticides
608.3 Additional
608.3 Chlordane
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

INSTRUMENT SEQUENCE LOG

| SampleID | SampleName | Matrix | STDID | ISTD ID | Analyzed |
|--------------|-------------------|--------|---------|---------|----------------------|
| 0C24036-ICB1 | Initial Cal Blank | Water | A20B383 | | 3/24/2020 1:58:00PM |
| 0C24036-CAL1 | Cal Standard | Water | A20C398 | " | 3/24/2020 2:15:00PM |
| 0C24036-CAL2 | Cal Standard | Water | A20C178 | " | 3/24/2020 2:33:00PM |
| 0C24036-CAL3 | Cal Standard | Water | A20C179 | " | 3/24/2020 2:50:00PM |
| 0C24036-CAL4 | Cal Standard | Water | A20C180 | " | 3/24/2020 3:07:00PM |
| 0C24036-CAL5 | Cal Standard | Water | A20C181 | " | 3/24/2020 3:24:00PM |
| 0C24036-CAL6 | Cal Standard | Water | A20C182 | " | 3/24/2020 3:41:00PM |
| 0C24036-CAL7 | Cal Standard | Water | A20C183 | " | 3/24/2020 3:59:00PM |
| 0C24036-CAL8 | Cal Standard | Water | A20C184 | " | 3/24/2020 4:16:00PM |
| 0C24036-CAL9 | Cal Standard | Water | A20C177 | " | 3/24/2020 4:33:00PM |
| 0C24036-ICV1 | Initial Cal Check | Water | A20C164 | " | 3/24/2020 5:07:00PM |
| 0C24036-CALA | Cal Standard | Water | A20C399 | " | 3/24/2020 5:24:00PM |
| 0C24036-CALB | Cal Standard | Water | A20C353 | " | 3/24/2020 5:42:00PM |
| 0C24036-CALC | Cal Standard | Water | A20C354 | " | 3/24/2020 6:31:00PM |
| 0C24036-CALD | Cal Standard | Water | A20C355 | " | 3/24/2020 6:48:00PM |
| 0C24036-CALE | Cal Standard | Water | A20C356 | " | 3/24/2020 7:05:00PM |
| 0C24036-CALF | Cal Standard | Water | A20C357 | " | 3/24/2020 7:22:00PM |
| 0C24036-CALG | Cal Standard | Water | A20C358 | " | 3/24/2020 7:40:00PM |
| 0C24036-CALH | Cal Standard | Water | A20C359 | " | 3/24/2020 7:57:00PM |
| 0C24036-CALI | Cal Standard | Water | A20C352 | " | 3/24/2020 8:14:00PM |
| 0C24036-ICV2 | Initial Cal Check | Water | A20C360 | " | 3/24/2020 8:48:00PM |
| 0C24036-CALJ | Cal Standard | Water | A20C400 | " | 3/24/2020 9:05:00PM |
| 0C24036-CALK | Cal Standard | Water | A19K307 | " | 3/24/2020 9:22:00PM |
| 0C24036-CALL | Cal Standard | Water | A19K308 | " | 3/24/2020 9:39:00PM |
| 0C24036-CALM | Cal Standard | Water | A19K309 | " | 3/24/2020 9:56:00PM |
| 0C24036-CALN | Cal Standard | Water | A19K310 | " | 3/24/2020 10:14:00PM |
| 0C24036-CALO | Cal Standard | Water | A19K311 | " | 3/24/2020 10:31:00PM |
| 0C24036-CALP | Cal Standard | Water | A19K306 | " | 3/24/2020 10:48:00PM |
| 0C24036-ICV3 | Initial Cal Check | Water | A19K312 | " | 3/24/2020 11:22:00PM |
| 0C24036-CALQ | Cal Standard | Water | A20C401 | " | 3/24/2020 11:39:00PM |
| 0C24036-CALR | Cal Standard | Water | A19J417 | " | 3/24/2020 11:56:00PM |
| 0C24036-CALS | Cal Standard | Water | A19J418 | " | 3/25/2020 12:13:00AM |
| 0C24036-CALT | Cal Standard | Water | A19J419 | " | 3/25/2020 12:31:00AM |
| 0C24036-CALU | Cal Standard | Water | A19J420 | " | 3/25/2020 12:48:00AM |
| 0C24036-CALV | Cal Standard | Water | A19J421 | " | 3/25/2020 1:05:00AM |
| 0C24036-CALW | Cal Standard | Water | A19J416 | " | 3/25/2020 1:22:00AM |
| 0C24036-ICV4 | Initial Cal Check | Water | A19J422 | " | 3/25/2020 1:56:00AM |

CALIBRATION STANDARD RECOVERIES

Calibration: A0C2504

Instrument: DUALECD5F

1311/8081B TCLP Pest Reg L

Sequence: 0C24036

Matrix: Water

| SampleID | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| 0C24036-CAL1 | | | | | |
| 0C24036-CAL2 | | | | | |
| 0C24036-CAL3 | | | | | |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

| 0C24036-CAL4 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
|--------------|-----------|-------------|-----------|-------|------|
| 0C24036-CAL5 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CAL6 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CAL7 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CAL8 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CAL9 | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALA | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALB | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALC | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALD | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALE | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALF | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALG | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALH | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALI | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALJ | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALK | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALL | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALM | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALN | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALO | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALP | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALQ | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALR | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALS | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALT | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALU | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALV | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |
| 0C24036-CALW | Inst. MRL | Recalc Res. | Cal Level | %Rec. | Qual |

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

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

Analytes With Quadratic Curve Fits

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

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

ICV RECOVERIES

Calibration: **A0C2504**

Instrument: **DUALECD5F**

608 Pesticides (SW) Full List

Sequence: **0C24036**

Matrix: **Water**

| ICV ID | Inst. MRL | ICV Level | Result | %Rec. | Qual |
|--------------|-----------|-----------|--------|-------|------|
| 0C24036-ICV1 | | | | | |
| 0C24036-ICV2 | | | | | |
| 0C24036-ICV3 | | | | | |
| 0C24036-ICV4 | | | | | |

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.

Response Factor Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200324.M
 Title : Instrument: DualECD5
 Last Update : Wed Mar 25 12:47:54 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD5-03242040.D 2 =ECD5-03242041.D 3 =ECD5-03242042.D 4 =ECD5-03242043.D 5 =ECD5-03242044.D
 6 =ECD5-03242045.D 7 =ECD5-03242046.D 8 =ECD5-03242027.D 9 =ECD5-03242028.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Avg | %RSD | |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1) S TCMX (S) | 2.211 | 2.076 | 1.946 | 1.929 | 1.871 | 1.805 | 1.848 | 1.835 | 1.864 | 1.932 | E5 | 6.83 |
| 2) a-BHC | 2.743 | 2.656 | 2.667 | 2.659 | 2.560 | 2.520 | 2.623 | 2.579 | 2.679 | 2.632 | E5 | 2.60 |
| 3) g-BHC | 2.401 | 2.355 | 2.310 | 2.288 | 2.232 | 2.163 | 2.275 | 2.273 | 2.289 | 2.287 | E5 | 2.98 |
| 4) b-BHC | 1.124 | 1.052 | 0.968 | 0.936 | 0.873 | 0.865 | 0.912 | 0.919 | 0.962 | 0.957 | E5 | 8.80 |
| 5) Heptachlor | 2.512 | 2.301 | 2.255 | 2.279 | 2.122 | 2.021 | 2.169 | 2.152 | 2.239 | 2.228 | E5 | 6.20 |
| 6) d-BHC | 1.879 | 1.844 | 1.860 | 1.913 | 1.855 | 1.926 | 1.999 | 2.082 | 2.204 | 1.951 | E5 | 6.27 |
| 7) Aldrin | 2.339 | 2.281 | 2.234 | 2.301 | 2.164 | 2.138 | 2.178 | 2.176 | 2.170 | 2.220 | E5 | 3.22 |
| 8) Heptachlor Exp... | 2.332 | 2.248 | 2.108 | 2.046 | 1.918 | 1.887 | 1.957 | 1.938 | 2.011 | 2.049 | E5 | 7.50 |
| 9) trans-Chlordane | 2.358 | 2.185 | 2.105 | 2.054 | 1.998 | 1.936 | 2.035 | 2.034 | 2.057 | 2.085 | E5 | 5.91 |
| 10) cis-Chlordane | 2.408 | 2.222 | 2.092 | 2.019 | 1.892 | 1.869 | 1.977 | 1.943 | 2.008 | 2.048 | E5 | 8.39 |
| 11) Endosulfan I | 2.183 | 2.027 | 1.970 | 1.971 | 1.839 | 1.816 | 1.875 | 1.820 | 1.899 | 1.933 | E5 | 6.17 |
| 12) 4,4'-DDE | 2.084 | 2.010 | 1.887 | 1.933 | 1.899 | 1.872 | 1.975 | 1.982 | 2.099 | 1.971 | E5 | 4.18 |
| 13) Dieldrin | 2.312 | 2.192 | 2.119 | 2.124 | 2.075 | 1.989 | 2.136 | 2.083 | 2.090 | 2.125 | E5 | 4.20 |
| 14) Endrin | 1.895 | 1.769 | 1.689 | 1.693 | 1.605 | 1.542 | 1.708 | 1.693 | 1.791 | 1.709 | E5 | 6.01 |
| 15) 4,4'-DDD | 1.787 | 1.719 | 1.625 | 1.559 | 1.528 | 1.533 | 1.577 | 1.638 | 1.743 | 1.634 | E5 | 5.83 |
| 16) Endosulfan II | 1.897 | 1.796 | 1.681 | 1.631 | 1.566 | 1.543 | 1.604 | 1.637 | 1.723 | 1.675 | E5 | 6.81 |
| 17) 4,4'-DDT | 1.283 | 1.214 | 1.197 | 1.258 | 1.240 | 1.216 | 1.430 | 1.414 | 1.638 | 1.321 | E5 | 11.06 |
| 18) Endrin Aldehyde | | | 1.698 | 1.515 | 1.419 | 1.326 | 1.423 | 1.380 | 1.485 | 1.464 | E5 | 8.27 |
| 19) Endosulfan Sul... | 1.931 | 1.815 | 1.657 | 1.637 | 1.520 | 1.477 | 1.593 | 1.543 | 1.626 | 1.644 | E5 | 8.82 |
| 20) Methoxychlor | 8.418 | 7.913 | 7.073 | 7.110 | 6.495 | 6.076 | 6.947 | 6.823 | 8.088 | 7.216 | E4 | 10.70 |
| 21) Endrin Ketone | 2.262 | 2.125 | 1.922 | 1.889 | 1.786 | 1.707 | 1.819 | 1.769 | 1.907 | 1.910 | E5 | 9.35 |
| 22) S DCBP (S) | 1.962 | 1.812 | 1.692 | 1.598 | 1.477 | 1.399 | 1.495 | 1.432 | 1.530 | 1.600 | E5 | 11.79 |
| 23) Hexachlorobuta... | 2.780 | 2.530 | 2.198 | 1.971 | 1.914 | 1.898 | 1.743 | 1.806 | 1.903 | 2.083 | E5 | 16.96 |
| 24) Hexachlorobenzene | 2.709 | 2.488 | 2.096 | 1.883 | 1.821 | 1.822 | 1.752 | 1.819 | 1.891 | 2.031 | E5 | 16.74 |
| 25) Oxychlordane | 2.469 | 2.286 | 1.934 | 1.751 | 1.728 | 1.695 | 1.630 | 1.657 | 1.741 | 1.877 | E5 | 15.99 |
| 26) 2,4'-DDE | 1.664 | 1.567 | 1.336 | 1.254 | 1.238 | 1.208 | 1.182 | 1.223 | 1.310 | 1.331 | E5 | 12.76 |
| 27) trans-Nonachlor | 2.774 | 2.507 | 2.115 | 1.964 | 1.958 | 1.908 | 1.788 | 1.872 | 1.971 | 2.095 | E5 | 15.66 |
| 28) 2,4'-DDD | 1.593 | 1.487 | 1.199 | 1.114 | 1.077 | 1.078 | 1.024 | 1.085 | 1.128 | 1.198 | E5 | 16.77 |
| 29) 2,4'-DDT | 1.356 | 1.299 | 1.043 | 1.001 | 1.039 | 1.050 | 1.022 | 1.095 | 1.205 | 1.123 | E5 | 11.64 |
| 30) cis-Nonachlor | 2.866 | 2.681 | 2.214 | 2.089 | 2.057 | 2.102 | 1.986 | 2.013 | 2.160 | 2.241 | E5 | 13.98 |
| 31) Mirex | 2.254 | 2.030 | 1.617 | 1.405 | 1.334 | 1.292 | 1.243 | 1.240 | 1.313 | 1.525 | E5 | 24.38 |
| 32) Chlordane (1) | 2.468 | 2.205 | 2.486 | 2.226 | 2.270 | 2.334 | 2.350 | | | 2.334 | E4 | 4.75 |
| 33) Chlordane (2) | 2.827 | 2.610 | 2.775 | 2.550 | 2.549 | 2.607 | 2.669 | | | 2.655 | E4 | 4.09 |
| 34) Chlordane (3) | 7.502 | 7.057 | 7.703 | 6.647 | 7.223 | 7.302 | 7.453 | | | 7.270 | E3 | 4.74 |
| 35) Chlordane - AVE | | | | | | | | | | 0.000 | | -1.00 |
| 36) Toxaphene (1) | 1.122 | 1.180 | 1.111 | 0.990 | 0.950 | 0.981 | 0.941 | | | 1.039 | E3 | 9.26 |
| 37) Toxaphene (2) | 2.305 | 2.131 | 1.980 | 1.781 | 1.718 | 1.744 | 1.704 | | | 1.909 | E3 | 12.35 |
| 38) Toxaphene (3) | 4.721 | 4.413 | 4.123 | 3.771 | 3.640 | 4.007 | 3.861 | | | 4.077 | E3 | 9.32 |
| 39) Toxaphene (4) | 4.757 | 4.119 | 3.918 | 3.647 | 3.565 | 3.786 | 3.705 | | | 3.928 | E3 | 10.41 |
| 40) Toxaphene (5) | 3.295 | 3.204 | 3.132 | 2.880 | 2.732 | 3.149 | 3.080 | | | 3.067 | E3 | 6.36 |
| 41) Toxaphene (6) | 4.533 | 4.148 | 4.129 | 3.706 | 3.579 | 3.946 | 3.998 | | | 4.006 | E3 | 7.82 |
| 42) Toxaphene - AVE | | | | | | | | | | 0.000 | | -1.00 |

M/R
3/25/20

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200324.M
 Title : Instrument: DualeECD5

Signal #2 Calibration Files

1 =ECD5-03242040.D 2 =ECD5-03242041.D 3 =ECD5-03242042.D
 4 =ECD5-03242043.D 5 =ECD5-03242044.D 6 =ECD5-03242045.D

| Compound | 1 | 2 | 3 | 4 | 5 | 6 | Avg | %RSD | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| 44) S TCMX (S) #2 | 3.289 | 2.863 | 2.749 | 2.672 | 2.673 | 2.608 | 2.804 | 2.936 | 3.133 | 2.858 | E5 | 7.95 |
| 45) a-BHC #2 | 3.808 | 3.773 | 3.849 | 3.924 | 3.940 | 3.848 | 4.184 | 4.388 | 4.754 | 4.052 | E5 | 8.15 |
| 46) g-BHC #2 | 3.546 | 3.427 | 3.401 | 3.363 | 3.375 | 3.297 | 3.643 | 3.782 | 4.006 | 3.538 | E5 | 6.60 |
| 47) b-BHC #2 | 1.713 | 1.608 | 1.515 | 1.457 | 1.376 | 1.362 | 1.417 | 1.473 | 1.582 | 1.500 | E5 | 7.74 |
| 48) Heptachlor #2 | 3.529 | 3.298 | 3.350 | 3.245 | 3.096 | 3.048 | 3.390 | 3.464 | 3.742 | 3.351 | E5 | 6.42 |
| 49) d-BHC #2 | 3.092 | 3.056 | 3.099 | 3.089 | 3.066 | 3.105 | 3.323 | 3.632 | 3.927 | 3.266 | E5 | 9.52 |
| 50) Aldrin #2 | 3.235 | 3.078 | 3.136 | 3.143 | 3.096 | 3.138 | 3.354 | 3.495 | 3.654 | 3.259 | E5 | 6.17 |
| 51) Heptachlor Exp... | 3.152 | 2.985 | 2.936 | 2.860 | 2.823 | 2.734 | 2.976 | 3.045 | 3.276 | 2.976 | E5 | 5.61 |
| 52) trans-Chlordane... | 3.184 | 2.991 | 2.920 | 2.925 | 2.808 | 2.815 | 3.060 | 3.190 | 3.371 | 3.029 | E5 | 6.25 |
| 53) cis-Chlordane #2 | 3.115 | 2.922 | 2.817 | 2.777 | 2.751 | 2.734 | 2.819 | 3.005 | 3.177 | 2.902 | E5 | 5.62 |
| 54) Endosulfan I #2 | 2.787 | 2.710 | 2.656 | 2.638 | 2.496 | 2.542 | 2.778 | 2.826 | 3.020 | 2.717 | E5 | 5.84 |
| 55) 4,4'-DDE #2 | 2.751 | 2.691 | 2.677 | 2.767 | 2.682 | 2.767 | 2.962 | 3.111 | 3.364 | 2.863 | E5 | 8.28 |
| 56) Dieldrin #2 | 2.940 | 2.920 | 2.797 | 2.843 | 2.801 | 2.829 | 3.073 | 3.182 | 3.391 | 2.975 | E5 | 6.83 |
| 57) Endrin #2 | 2.356 | 2.226 | 2.136 | 2.226 | 2.149 | 2.051 | 2.342 | 2.421 | 2.700 | 2.290 | E5 | 8.47 |
| 58) 4,4'-DDD #2 | 2.427 | 2.354 | 2.297 | 2.301 | 2.247 | 2.218 | 2.455 | 2.527 | 2.829 | 2.406 | E5 | 7.81 |
| 59) Endosulfan II #2 | 2.549 | 2.362 | 2.294 | 2.243 | 2.180 | 2.277 | 2.378 | 2.539 | 2.769 | 2.399 | E5 | 7.79 |
| 60) 4,4'-DDT #2 | 1.506 | 1.434 | 1.466 | 1.653 | 1.622 | 1.699 | 2.035 | 2.132 | 2.562 | 1.790 | E5 | 21.10 |
| 61) Endrin Aldehyd... | | | 2.243 | 2.093 | 1.962 | 1.932 | 2.028 | 2.040 | 2.262 | 2.080 | E5 | 6.21 |
| 62) Endosulfan Sul... | 2.448 | 2.322 | 2.212 | 2.188 | 2.093 | 2.060 | 2.291 | 2.283 | 2.595 | 2.277 | E5 | 7.38 |
| 63) Methoxychlor #2 | 0.968 | 0.893 | 0.893 | 0.891 | 0.846 | 0.816 | 0.977 | 0.996 | 1.230 | 0.946 | E5 | 12.95 |
| 64) Endrin Ketone #2 | 2.650 | 2.466 | 2.373 | 2.373 | 2.308 | 2.269 | 2.509 | 2.579 | 2.911 | 2.493 | E5 | 8.04 |
| 65) S DCBP (S) #2 | 1.806 | 1.786 | 1.707 | 1.673 | 1.540 | 1.547 | 1.646 | 1.698 | 1.882 | 1.698 | E5 | 6.73 |
| 66) Hexachlorobuta... | 5.030 | 4.642 | 4.038 | 3.778 | 3.659 | 3.666 | 3.488 | 3.634 | 3.987 | 3.992 | E5 | 12.98 |
| 67) Hexachlorobenz... | 4.039 | 3.607 | 3.065 | 2.834 | 2.829 | 2.883 | 2.841 | 3.031 | 3.198 | 3.147 | E5 | 13.26 |
| 68) Oxychlorane #2 | 3.611 | 3.340 | 2.745 | 2.547 | 2.482 | 2.548 | 2.429 | 2.649 | 2.944 | 2.811 | E5 | 14.67 |
| 69) 2,4'-DDE #2 | 2.499 | 2.385 | 1.987 | 1.872 | 1.859 | 1.846 | 1.875 | 1.988 | 2.207 | 2.058 | E5 | 11.99 |
| 70) trans-Nonachlo... | 3.895 | 3.604 | 3.077 | 2.820 | 2.786 | 2.772 | 2.767 | 2.987 | 3.295 | 3.111 | E5 | 13.11 |
| 71) 2,4'-DDD #2 | 2.422 | 2.221 | 1.830 | 1.696 | 1.664 | 1.652 | 1.627 | 1.727 | 1.935 | 1.864 | E5 | 15.09 |
| 72) 2,4'-DDT #2 | 1.875 | 1.747 | 1.466 | 1.420 | 1.455 | 1.491 | 1.556 | 1.664 | 1.994 | 1.630 | E5 | 12.53 |
| 73) cis-Nonachlor #2 | 4.015 | 3.719 | 3.166 | 3.002 | 2.912 | 2.974 | 2.966 | 3.244 | 3.477 | 3.275 | E5 | 11.77 |
| 74) Mirex #2 | 3.115 | 2.608 | 2.083 | 1.835 | 1.755 | 1.735 | 1.701 | 1.790 | 1.963 | 2.065 | E5 | 23.43 |
| 75) Chlordane (1) #2 | 3.857 | 3.575 | 4.070 | 3.679 | 3.833 | 4.198 | 4.370 | | | 3.940 | E4 | 7.24 |
| 76) Chlordane (2) #2 | 3.417 | 2.951 | 3.328 | 3.068 | 3.217 | 3.385 | 3.559 | | | 3.275 | E4 | 6.44 |
| 77) Chlordane (3) #2 | 1.113 | 0.948 | 1.040 | 0.912 | 0.988 | 1.042 | 1.121 | | | 1.023 | E4 | 7.73 |
| 78) Chlordane - AV... | | | | | | | | | | 0.000 | | -1.00 |
| 79) Toxaphene (1) #2 | 3.130 | 3.128 | 2.873 | 2.662 | 2.568 | 2.710 | 2.616 | | | 2.812 | E3 | 8.40 |
| 80) Toxaphene (2) #2 | 3.899 | 3.837 | 3.552 | 3.385 | 3.264 | 3.584 | 3.499 | | | 3.574 | E3 | 6.39 |
| 81) Toxaphene (3) #2 | 6.451 | 5.871 | 5.624 | 5.132 | 5.042 | 5.443 | 5.521 | | | 5.584 | E3 | 8.52 |
| 82) Toxaphene (4) #2 | 1.163 | 0.912 | 0.880 | 0.815 | 0.809 | 0.899 | 0.927 | | | 0.915 | E4 | 12.94 |
| 83) Toxaphene (5) #2 | 5.495 | 5.072 | 4.884 | 4.522 | 4.554 | 4.955 | 5.110 | | | 4.942 | E3 | 6.82 |
| 84) Toxaphene (6) #2 | 6.076 | 5.469 | 5.296 | 4.992 | 4.850 | 5.554 | 5.594 | | | 5.405 | E3 | 7.56 |
| 85) Toxaphene - AV... | | | | | | | | | | 0.000 | | -1.00 |

(#) = Out of Range

Compound List Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_200324.M
 Title : Instrument: DualECD5
 Last Update : Wed Mar 25 12:47:54 2020
 Response Via : Initial Calibration

Total Cpnds : 85

MJB
4/25/20

| PK# | Compound Name | Exp_RT | Rel_RT | Cal | A/H | ID |
|-----|------------------------|--------|--------|-----|-----|----|
| 1 | S TCMX (S) | 5.390 | 1.000 | A | H | R |
| 2 | a-BHC | 5.930 | 1.000 | A | H | R |
| 3 | g-BHC | 6.213 | 1.000 | A | H | R |
| 4 | b-BHC | 6.287 | 1.000 | A | H | R |
| 5 | Heptachlor | 6.622 | 1.000 | A | H | R |
| 6 | d-BHC | 6.438 | 1.000 | A | H | R |
| 7 | Aldrin | 6.863 | 1.000 | A | H | R |
| 8 | Heptachlor Expoxide | 7.325 | 1.000 | A | H | R |
| 9 | trans-Chlordane | 7.419 | 1.000 | A | H | R |
| 10 | cis-Chlordane | 7.516 | 1.000 | A | H | R |
| 11 | Endosulfan I | 7.614 | 1.000 | A | H | R |
| 12 | 4,4'-DDE | 7.577 | 1.000 | A | H | R |
| 13 | Dieldrin | 7.786 | 1.000 | A | H | R |
| 14 | Endrin | 7.951 | 1.000 | A | H | R |
| 15 | 4,4'-DDD | 7.999 | 1.000 | A | H | R |
| 16 | Endosulfan II | 8.108 | 1.000 | A | H | R |
| 17 | 4,4'-DDT | 8.196 | 1.000 | Q | H | R |
| 18 | Endrin Aldehyde | 8.398 | 1.000 | A | H | R |
| 19 | Endosulfan Sulfate | 8.700 | 1.000 | A | H | R |
| 20 | Methoxychlor | 8.531 | 1.000 | Q | H | R |
| 21 | Endrin Ketone | 8.894 | 1.000 | A | H | R |
| 22 | S DCBP (S) | 9.588 | 1.000 | Q | H | R |
| 23 | Hexachlorobutadiene | 3.191 | 1.000 | Q | H | R |
| 24 | Hexachlorobenzene | 5.771 | 1.000 | Q | H | R |
| 25 | Oxychlordane | 7.251 | 1.000 | Q | H | R |
| 26 | 2,4'-DDE | 7.326 | 1.000 | Q | H | R |
| 27 | trans-Nonachlor | 7.506 | 1.000 | Q | H | R |
| 28 | 2,4'-DDD | 7.699 | 1.000 | Q | H | R |
| 29 | 2,4'-DDT | 7.882 | 1.000 | Q | H | R |
| 30 | cis-Nonachlor | 7.977 | 1.000 | Q | H | R |
| 31 | Mirex | 8.645 | 1.000 | Q | H | R |
| 32 | Chlordane (1) | 7.419 | 1.000 | A | H | R |
| 33 | Chlordane (2) | 7.513 | 1.000 | A | H | R |
| 34 | Chlordane (3) | 8.063 | 1.000 | A | H | R |
| 35 | Chlordane - AVE | 3.704 | 1.000 | A | H | R |
| 36 | Toxaphene (1) | 7.494 | 1.000 | A | H | R |
| 37 | Toxaphene (2) | 7.787 | 1.000 | Q | H | R |
| 38 | Toxaphene (3) | 8.099 | 1.000 | A | H | R |
| 39 | Toxaphene (4) | 8.340 | 1.000 | A | H | R |
| 40 | Toxaphene (5) | 8.568 | 1.000 | A | H | R |
| 41 | Toxaphene (6) | 8.635 | 1.000 | A | H | R |
| 42 | Toxaphene - AVE | 3.698 | 1.000 | A | H | R |
| 43 | Signal #2 | 3.796 | 1.000 | A | H | R |
| 44 | S TCMX (S) #2 | 5.986 | 1.000 | A | H | R |
| 45 | a-BHC #2 | 6.594 | 1.000 | A | H | R |
| 46 | g-BHC #2 | 6.913 | 1.000 | A | H | R |
| 47 | b-BHC #2 | 6.976 | 1.000 | A | H | R |
| 48 | Heptachlor #2 | 7.288 | 1.000 | A | H | R |
| 49 | d-BHC #2 | 7.231 | 1.000 | A | H | R |
| 50 | Aldrin #2 | 7.554 | 1.000 | A | H | R |
| 51 | Heptachlor Expoxide #2 | 7.992 | 1.000 | A | H | R |
| 52 | trans-Chlordane #2 | 8.132 | 1.000 | A | H | R |
| 53 | cis-Chlordane #2 | 8.241 | 1.000 | A | H | R |
| 54 | Endosulfan I #2 | 8.291 | 1.000 | A | H | R |
| 55 | 4,4'-DDE #2 | 8.346 | 1.000 | A | H | R |
| 56 | Dieldrin #2 | 8.492 | 1.000 | A | H | R |

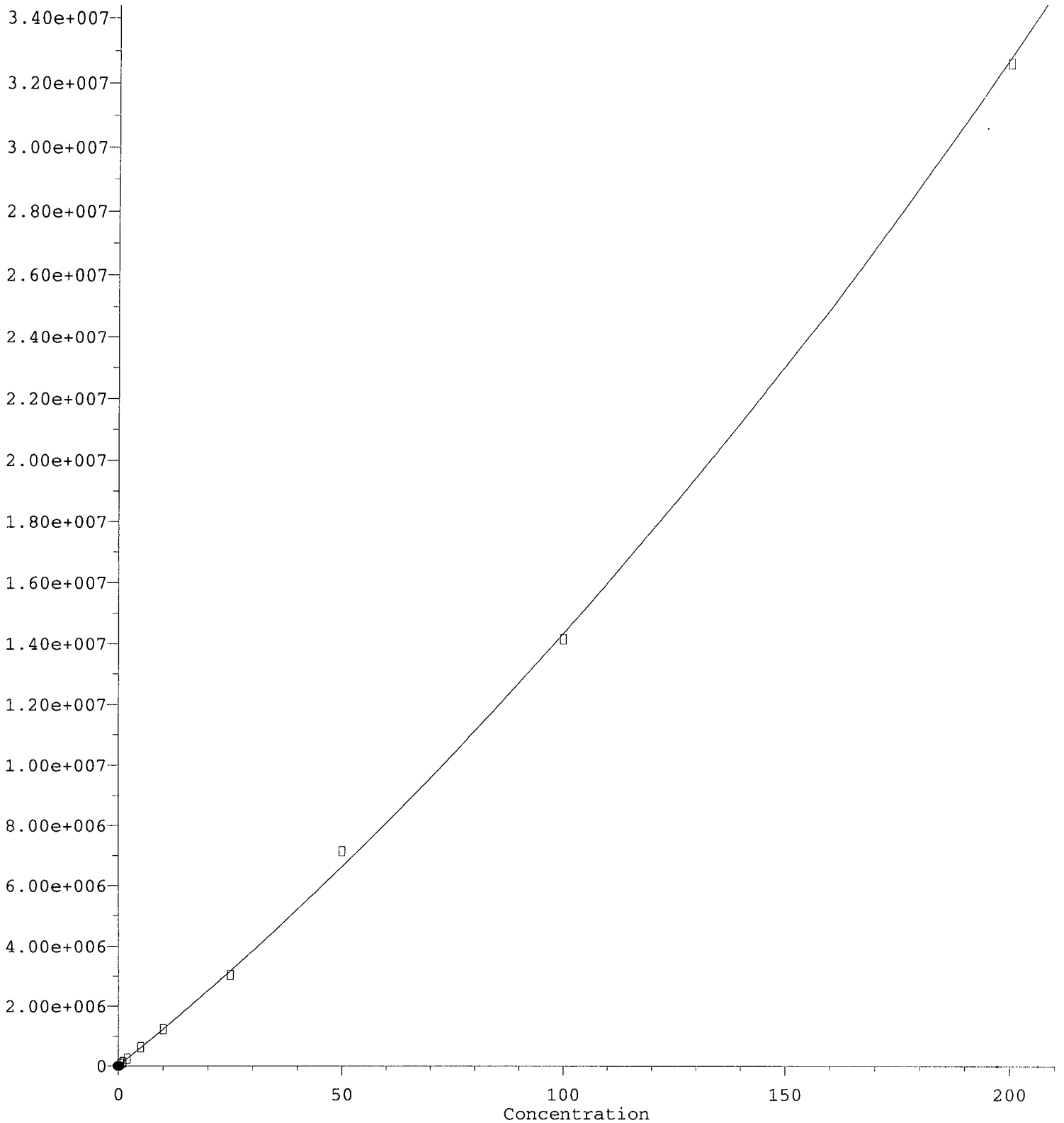
| | | | | | | |
|----|------------------------|--------|-------|---|---|---|
| 57 | Endrin #2 | 8.719 | 1.000 | A | H | R |
| 58 | 4,4'-DDD #2 | 8.762 | 1.000 | A | H | R |
| 59 | Endosulfan II #2 | 8.866 | 1.000 | A | H | R |
| 60 | 4,4'-DDT #2 | 8.989 | 1.000 | Q | H | R |
| 61 | Endrin Aldehyde #2 | 9.103 | 1.000 | A | H | R |
| 62 | Endosulfan Sulfate #2 | 9.294 | 1.000 | A | H | R |
| 63 | Methoxychlor #2 | 9.468 | 1.000 | Q | H | R |
| 64 | Endrin Ketone #2 | 9.695 | 1.000 | A | H | R |
| 65 | S DCBP (S) #2 | 10.552 | 1.000 | A | H | R |
| 66 | Hexachlorobutadiene #2 | 3.673 | 1.000 | Q | H | R |
| 67 | Hexachlorobenzene #2 | 6.452 | 1.000 | Q | H | R |
| 68 | Oxychlorane #2 | 7.919 | 1.000 | Q | H | R |
| 69 | 2,4'-DDE #2 | 8.123 | 1.000 | Q | H | R |
| 70 | trans-Nonachlor #2 | 8.194 | 1.000 | Q | H | R |
| 71 | 2,4'-DDD #2 | 8.497 | 1.000 | Q | H | R |
| 72 | 2,4'-DDT #2 | 8.722 | 1.000 | Q | H | R |
| 73 | cis-Nonachlor #2 | 8.761 | 1.000 | Q | H | R |
| 74 | Mirex #2 | 9.686 | 1.000 | Q | H | R |
| 75 | Chlordane (1) #2 | 8.131 | 1.000 | A | H | R |
| 76 | Chlordane (2) #2 | 8.239 | 1.000 | A | H | R |
| 77 | Chlordane (3) #2 | 8.902 | 1.000 | A | H | R |
| 78 | Chlordane - AVE #2 | 3.684 | 1.000 | A | H | R |
| 79 | Toxaphene (1) #2 | 8.467 | 1.000 | A | H | R |
| 80 | Toxaphene (2) #2 | 8.815 | 1.000 | A | H | R |
| 81 | Toxaphene (3) #2 | 8.850 | 1.000 | A | H | R |
| 82 | Toxaphene (4) #2 | 8.917 | 1.000 | Q | H | R |
| 83 | Toxaphene (5) #2 | 9.094 | 1.000 | A | H | R |
| 84 | Toxaphene (6) #2 | 9.475 | 1.000 | A | H | R |
| 85 | Toxaphene - AVE #2 | 3.691 | 1.000 | A | H | R |

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

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:43 2020

4,4'-DDT

Response



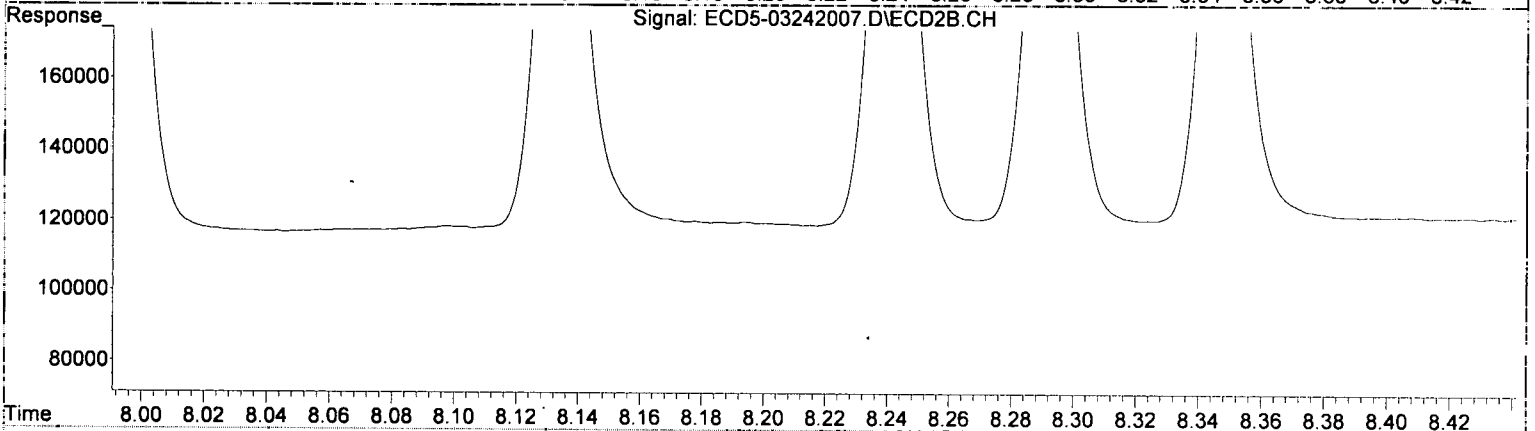
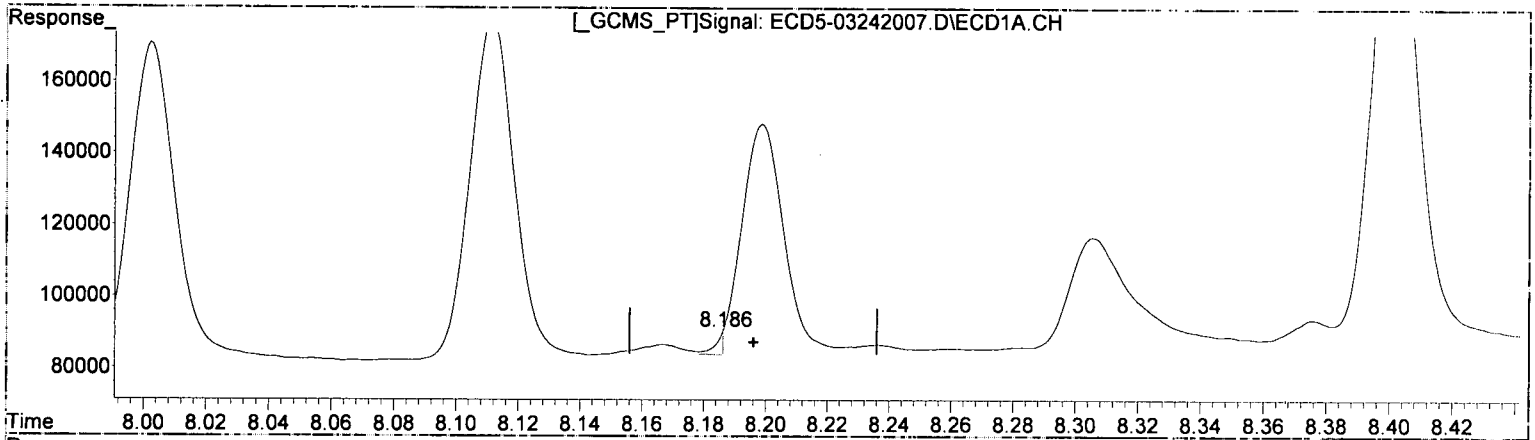
R = 2.15e+002 A*A + 1.22e+005 A + 2.17e+003
 Coef of Det (r^2) = 0.9990
 05/18/2019 14:00:00 Active - Base Report Date: 2019-05-19 14:00:00 CAP Testing Cores Page 903 of 1393
 Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

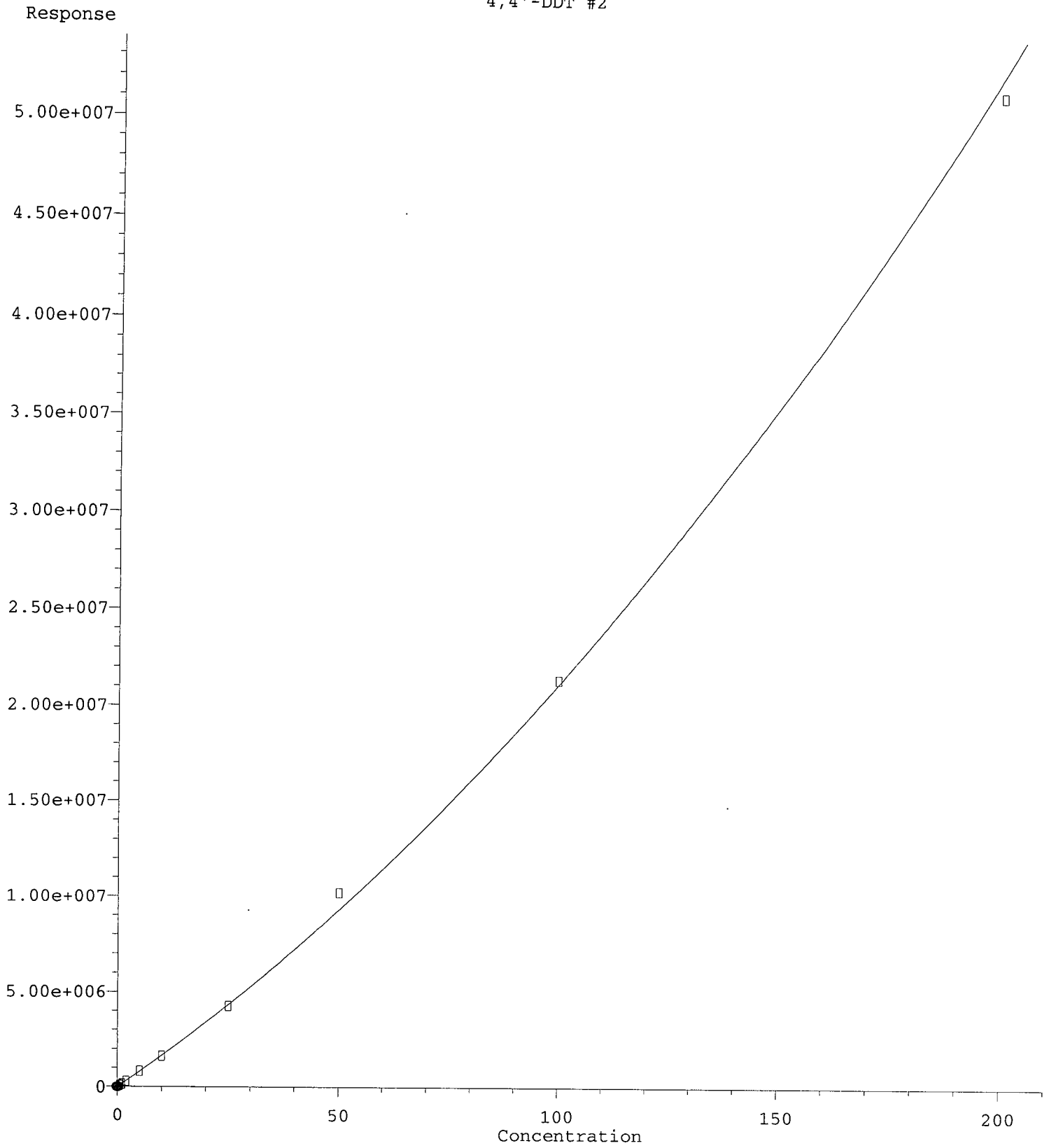
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.186min 0.036 ng/mL(m)
response 6604

MJB
3/25/20

(17) 4,4'-DDT #2
8.990min 0.522 ng/mL
response 75283

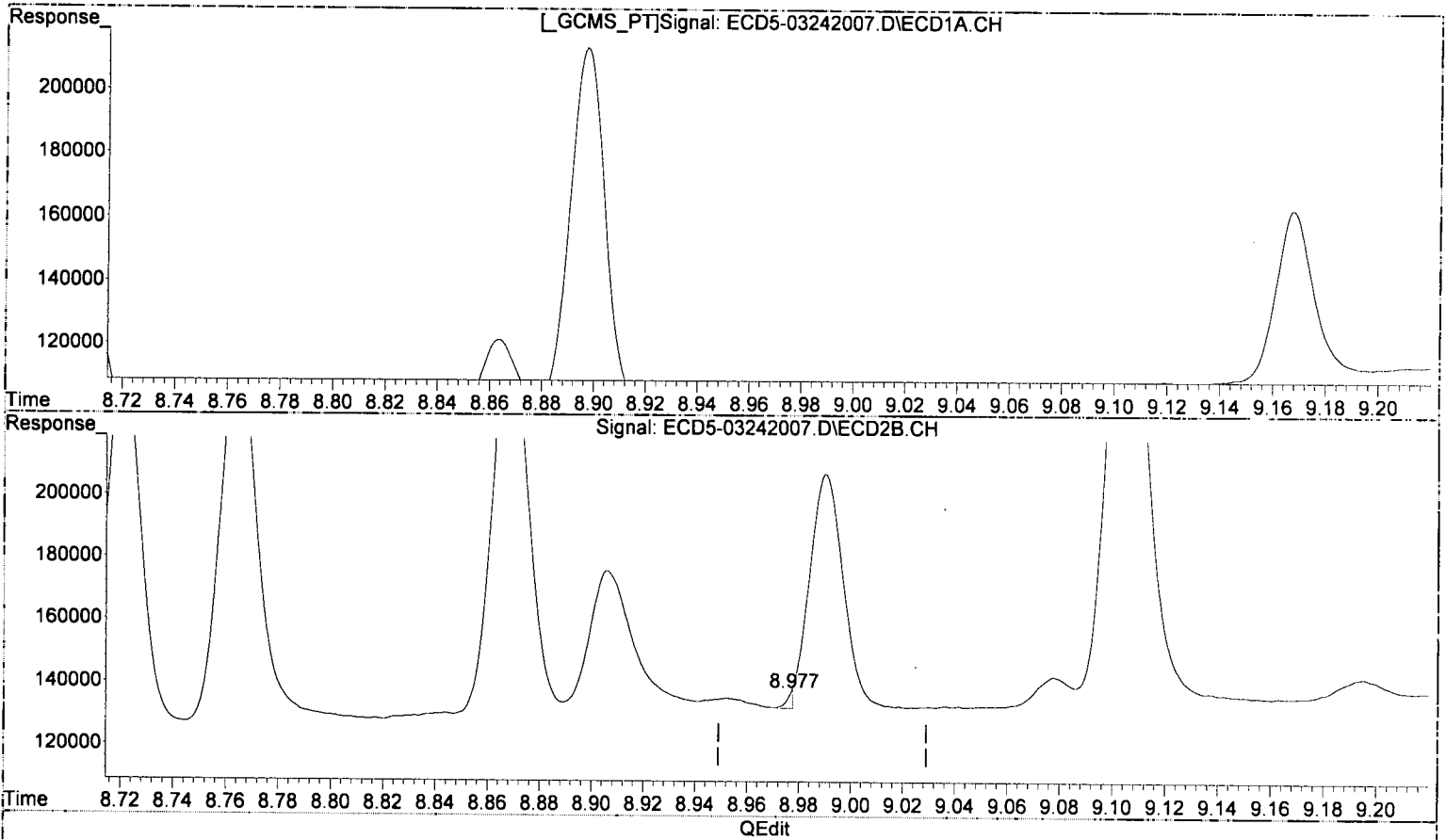


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



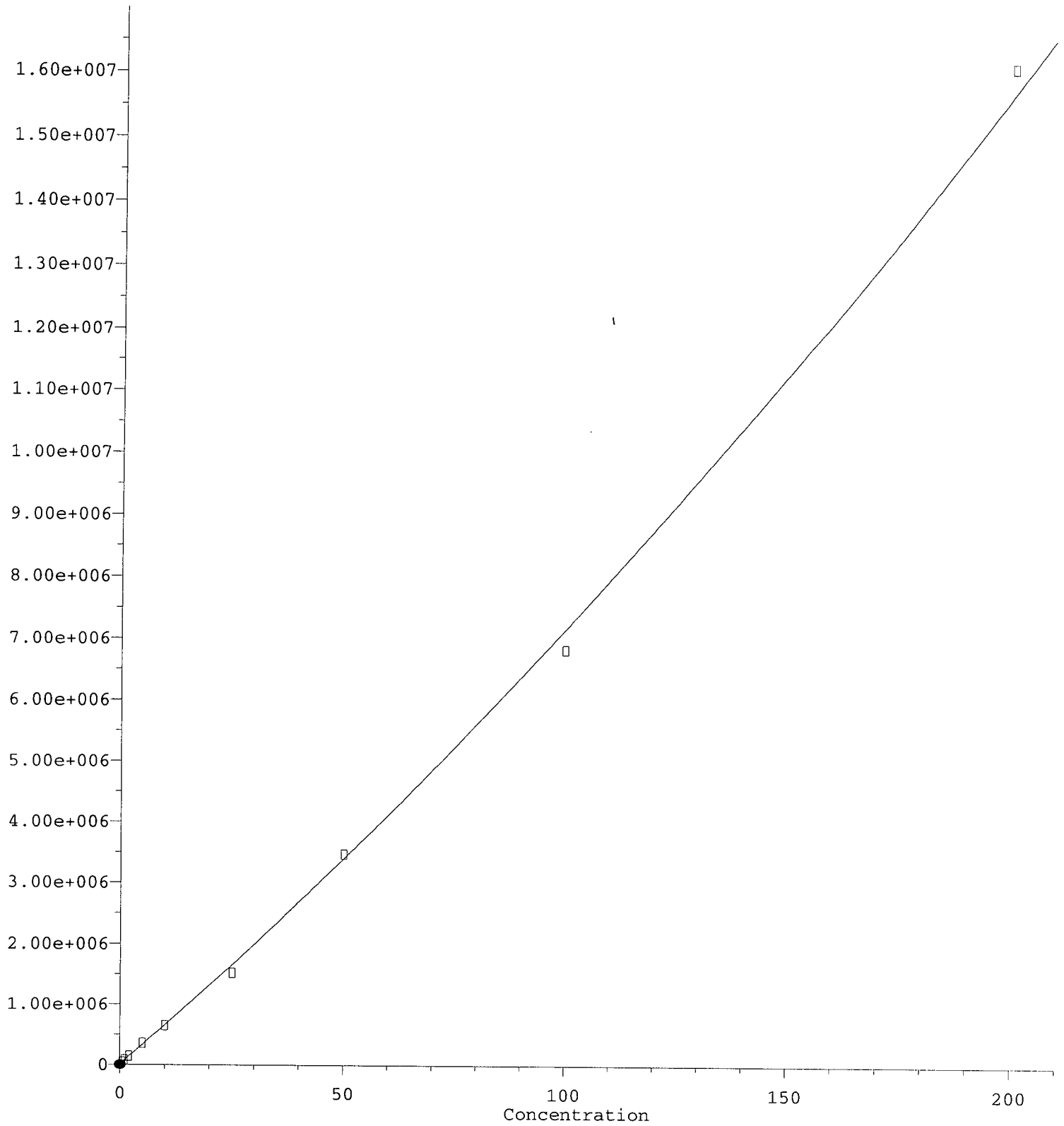
(17) 4,4'-DDT
8.186min 0.036 ng/mL m
response 6604

MJB
3/25/20

(17) 4,4'-DDT #2
8.977min 0.087 ng/mL (m)
response 5267

Methoxychlor

Response



$R = 7.38e+001 A^*A + 6.41e+004 A + 1.12e+004$

Coef of Det (r^2) = 0.997

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

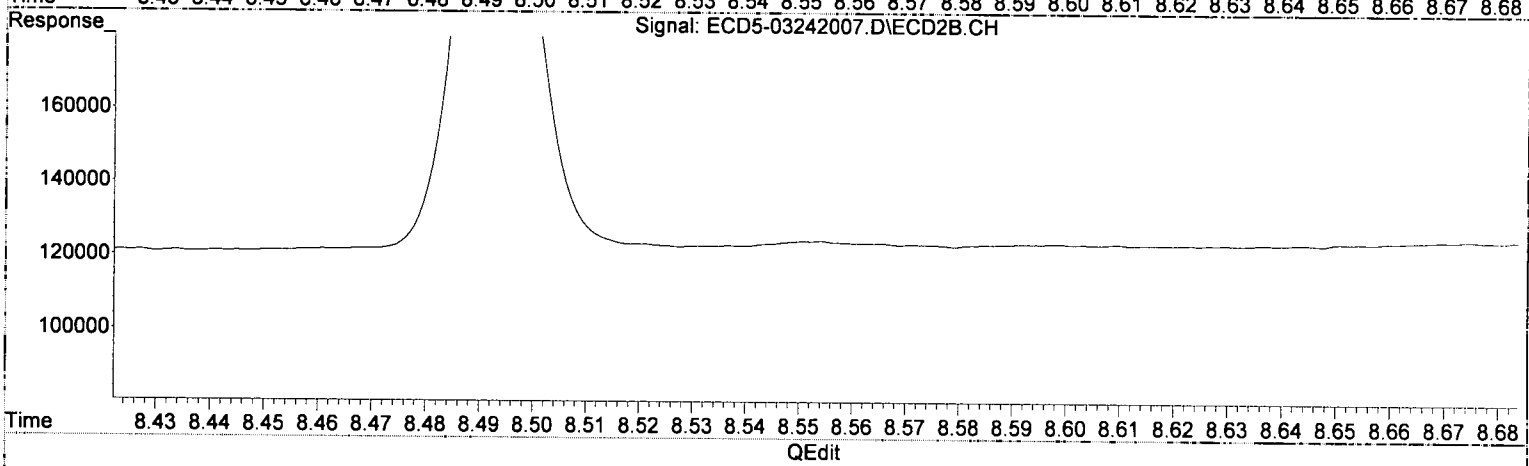
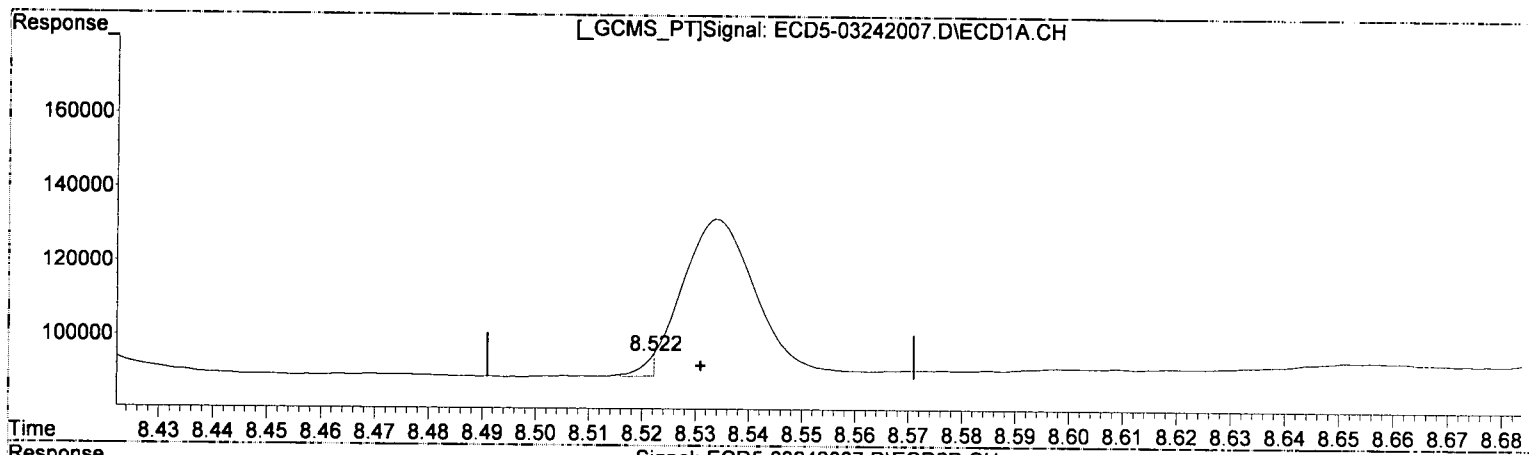
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:15
 Operator : MJB
 Sample : 0C24036-CAL1
 Misc : A20C398, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:46:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



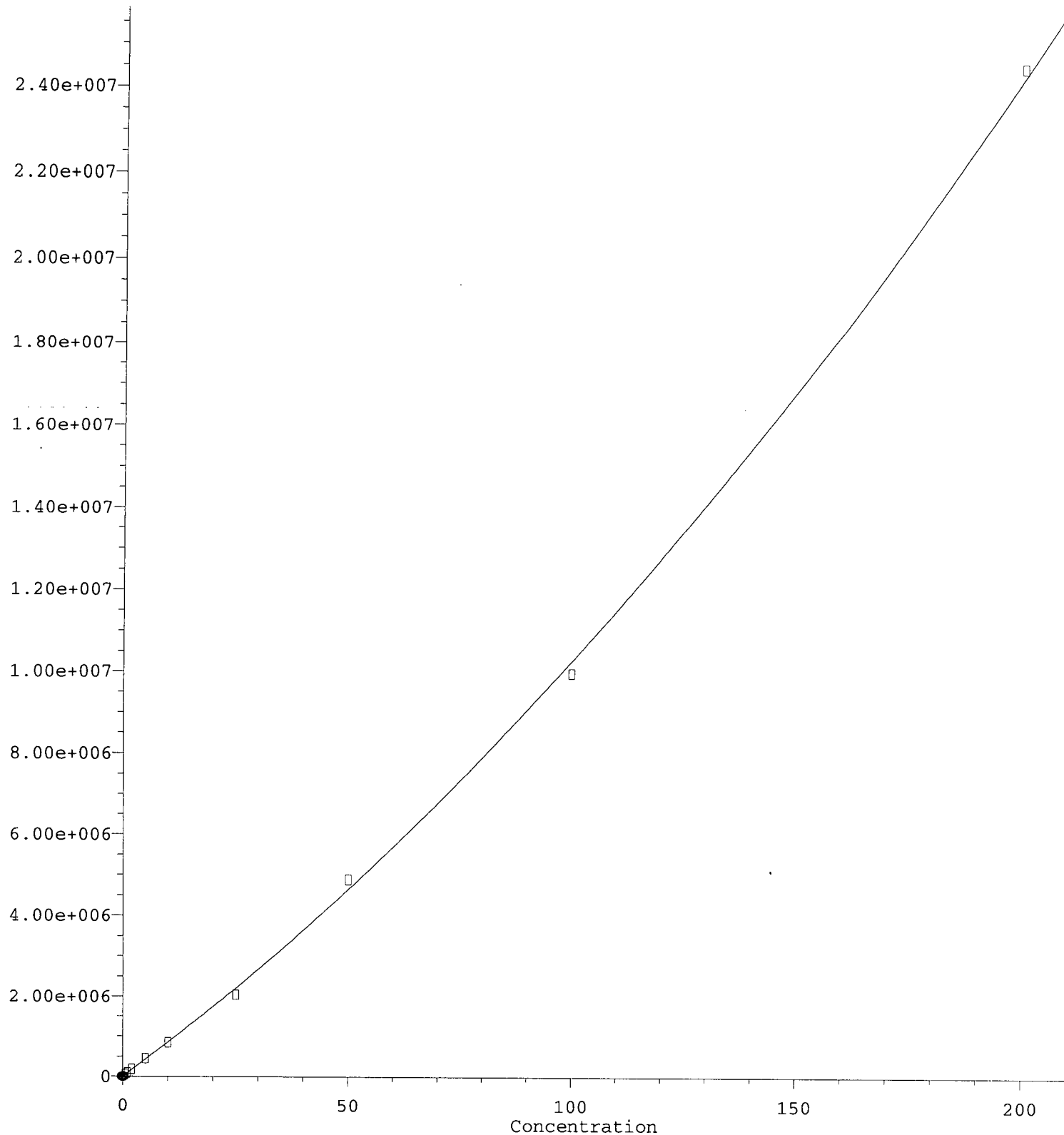
(20) Methoxychlor
 8.522min -0.088 ng/mL(m)
 response 5547

MJB
3/25/20

(20) Methoxychlor #2
 9.470min 0.498 ng/mL
 response 48420

Methoxychlor #2

Response



$R = 1.94e+002 A^2 + 8.30e+004 A + 7.00e+003$

Coef of Det (r^2) = 0.998

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

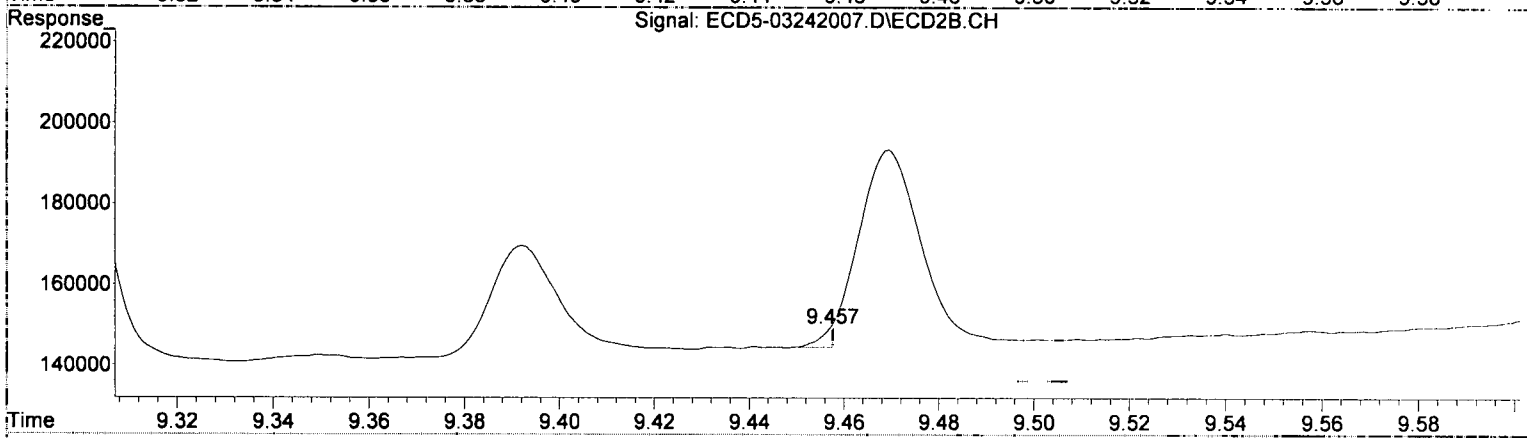
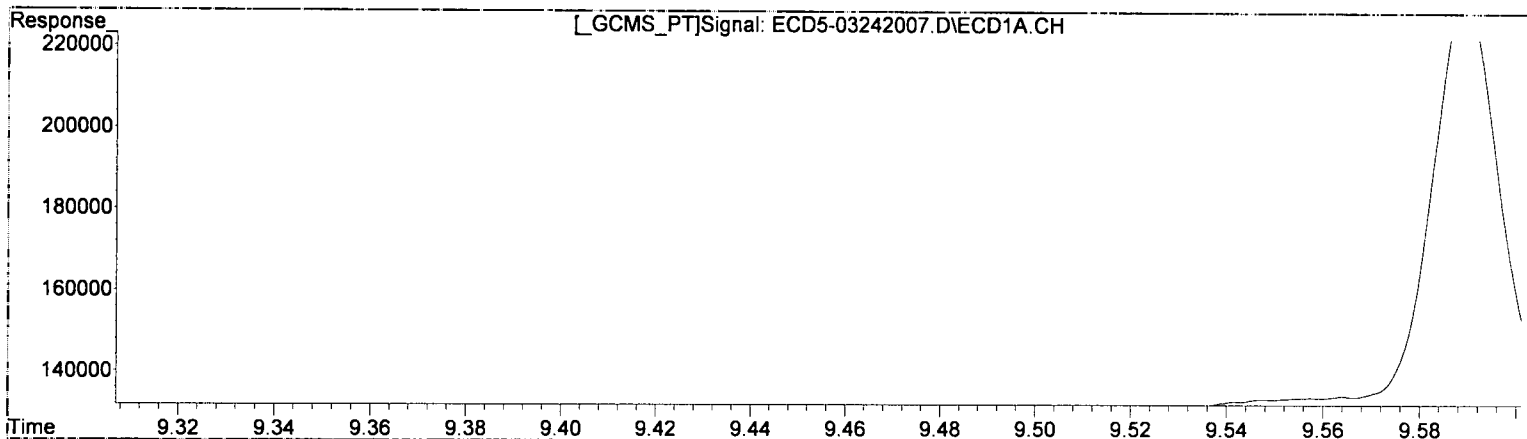
Calibration Table Last Updated: Wed Mar 25 12:55:00 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

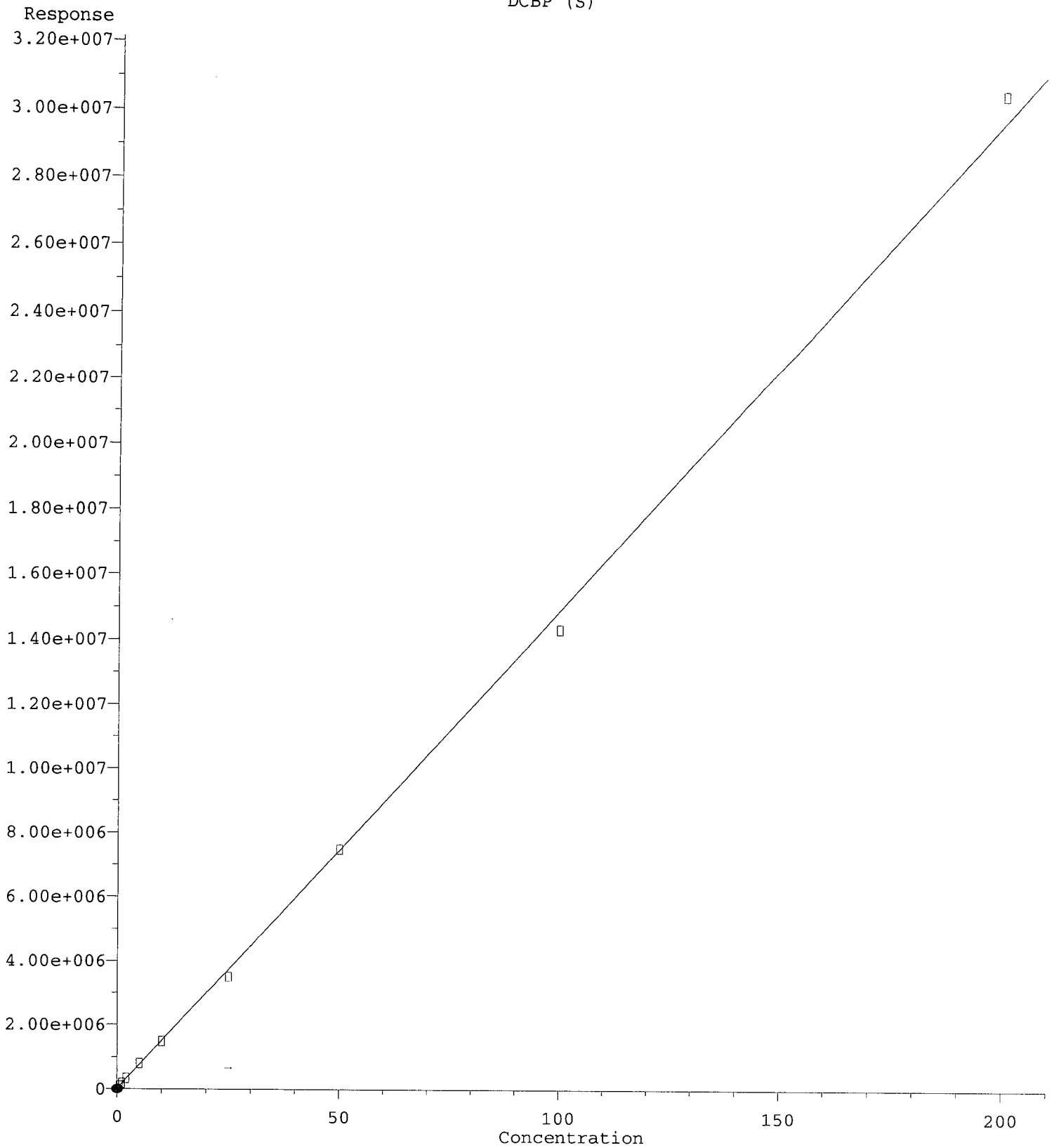


(20) Methoxychlor
8.522min -0.088 ng/mL m
response 5547

*MJB
3/25/20*

(20) Methoxychlor #2
9.457min -0.026 ng/mL (m)
response 4848

DCBP (S)



$R = 2.61e+000 A^2 + 1.48e+005 A + 2.65e+004$

Coef of Det (r^2) = 0.998

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

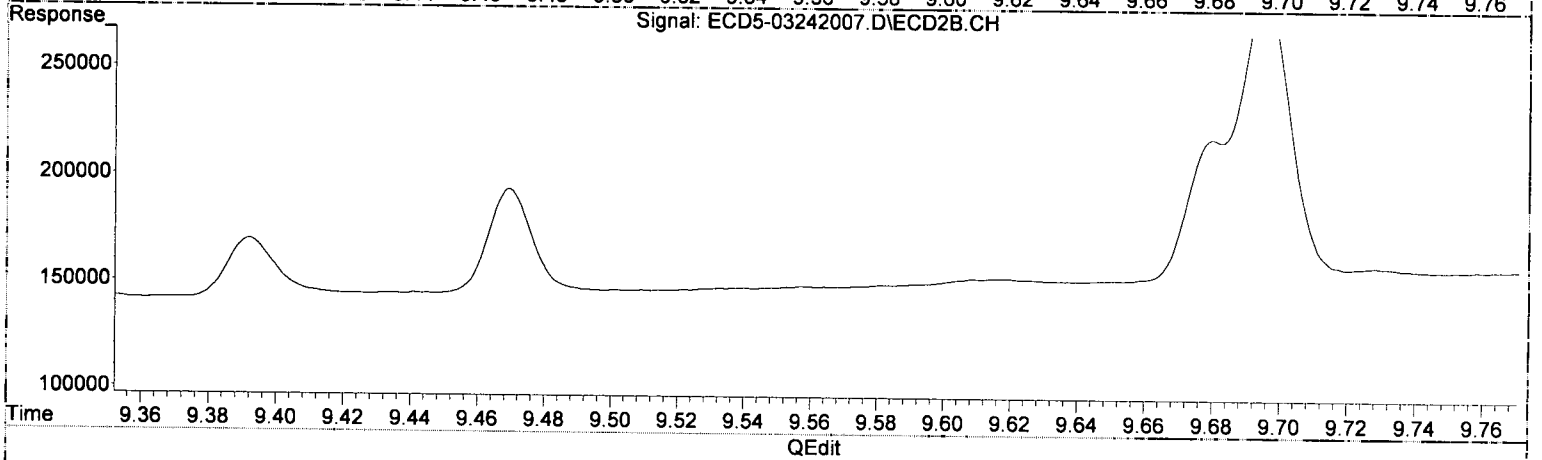
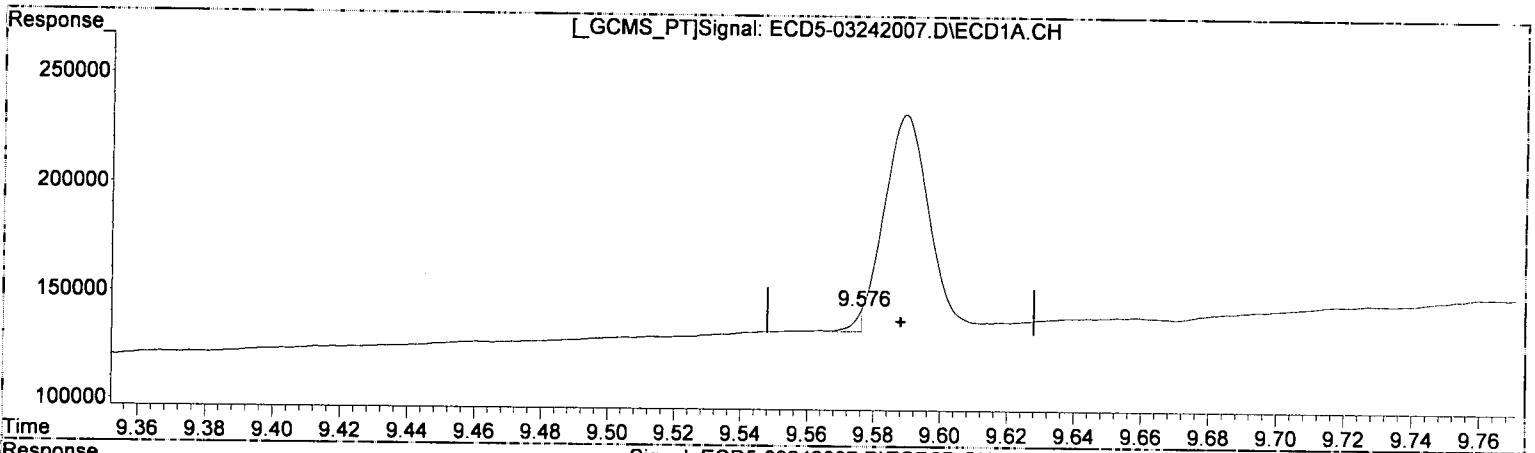
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(22) DCBP (S) (S)

9.576min -0.115 ng/mL (m)
response 9473

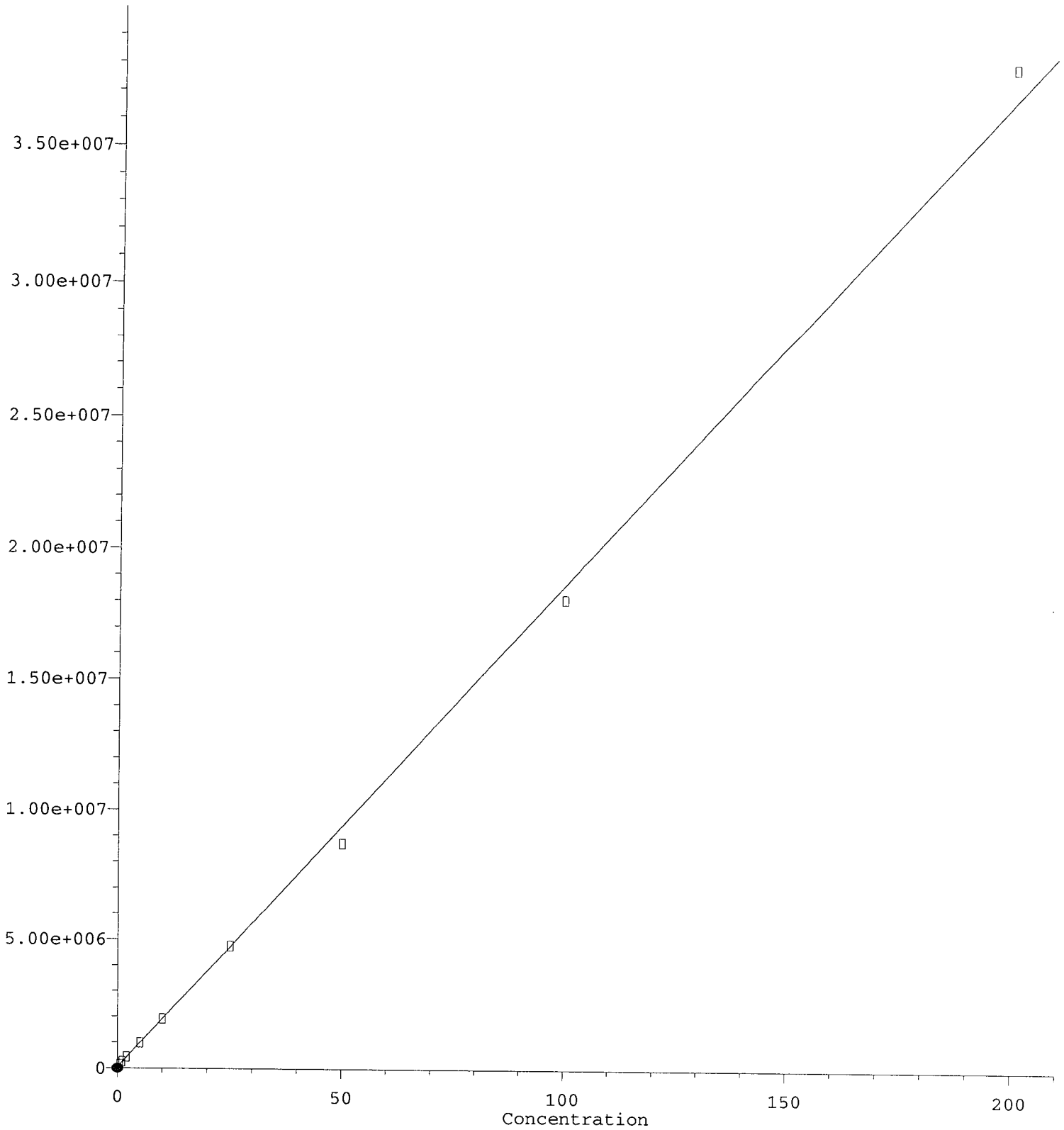
MJB
3/25/20

(22) DCBP (S) #2 (S)

10.554min 0.532 ng/mL
response 90290

Hexachlorobutadiene

Response



$R = -1.69e+001 A^2 + 1.87e+005 A + 5.00e+004$

Coef of Det (r^2) 0.9999999999999999

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

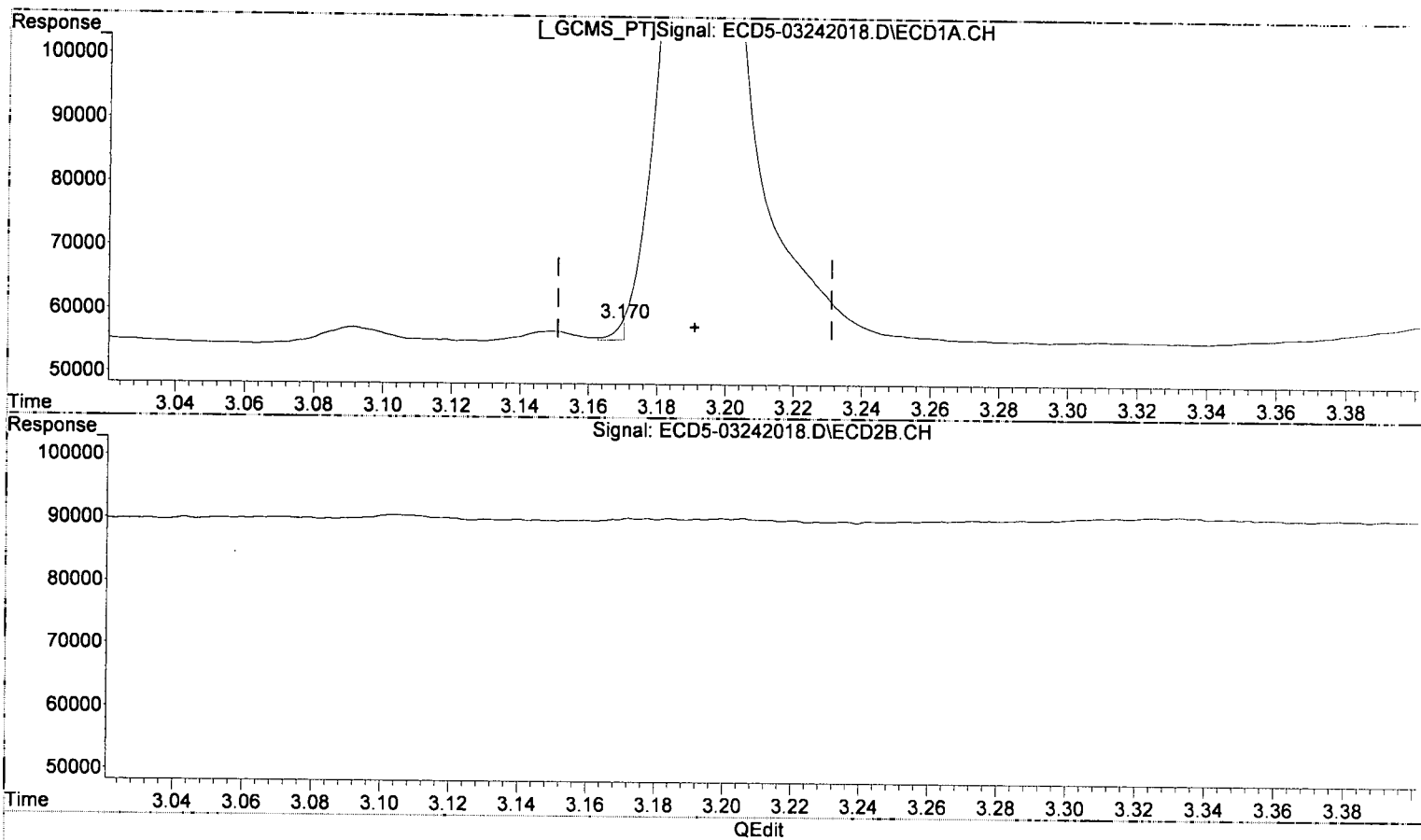
Calibration Table Last Updated: Wed Jul 25 16:55:26 2007

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

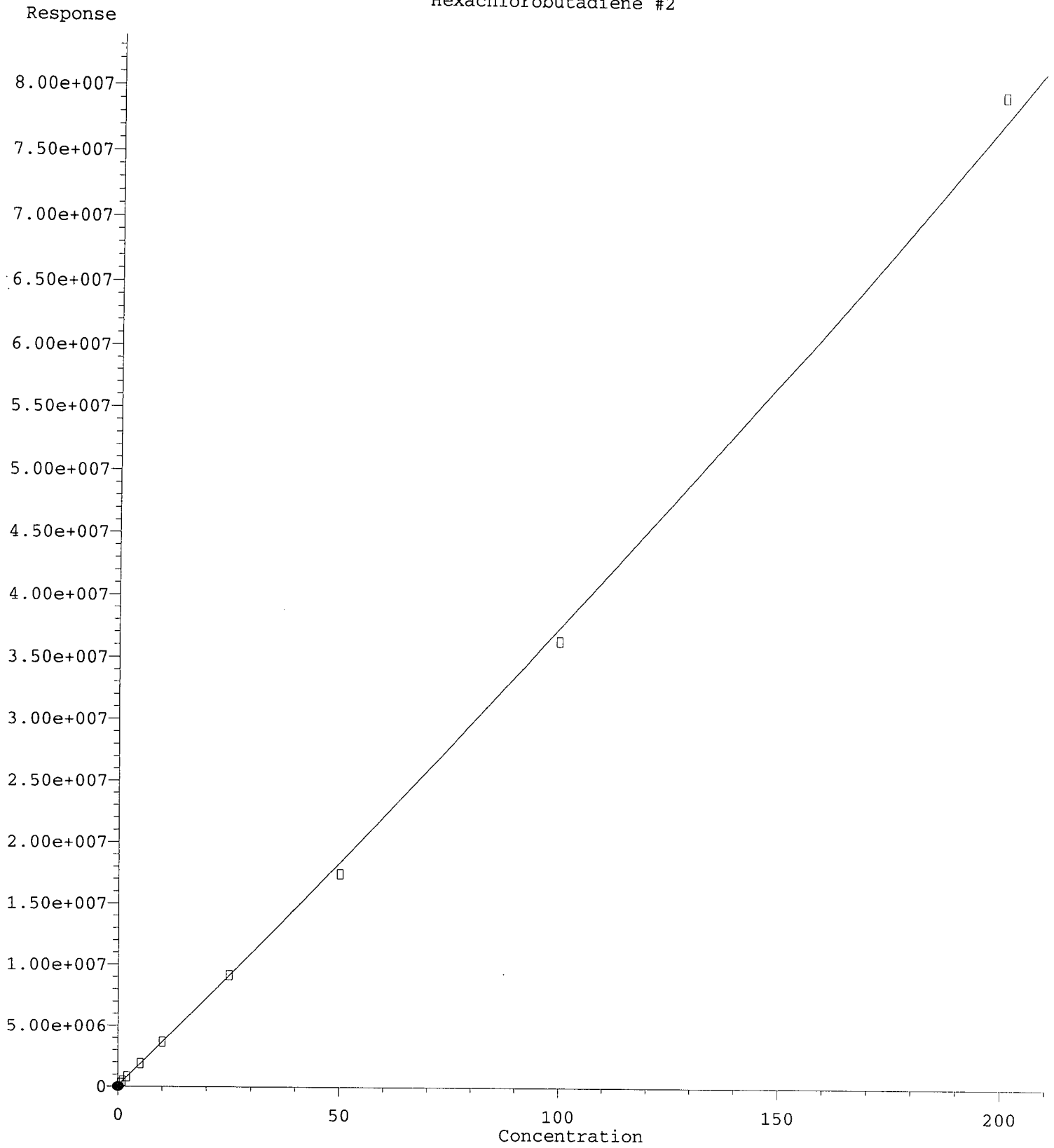


(23) Hexachlorobutadiene
3.170min 11064.694 ng/mL (m) *Q-Del*
response 2750

MJB 3/25/20

(23) Hexachlorobutadiene #2
3.675min 0.480 ng/mL
response 251522

Hexachlorobutadiene #2



$R = 1.52e+002 A^2 + 3.58e+005 A + 7.96e+004$

Coef of Det (r^2) 0.998
05/18/2019 10:04:00 AM
Curve - Gasco Permethrin 2019 w4 (1) (DOC) CAP Testing Cores Page 915 of 1393

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

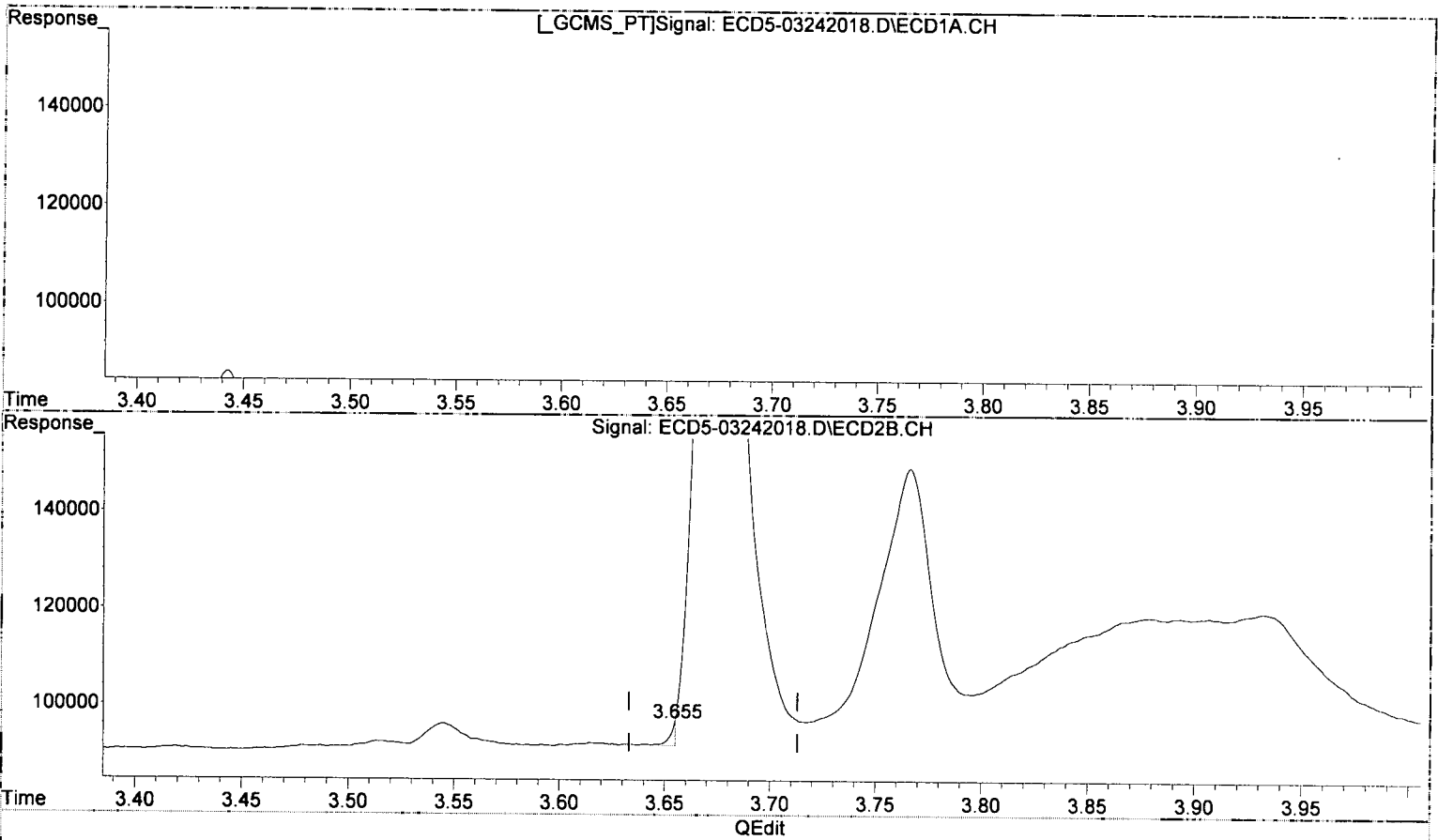
Calibration Table Test Method: HLM 05/18/2019 10:04:00 AM

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

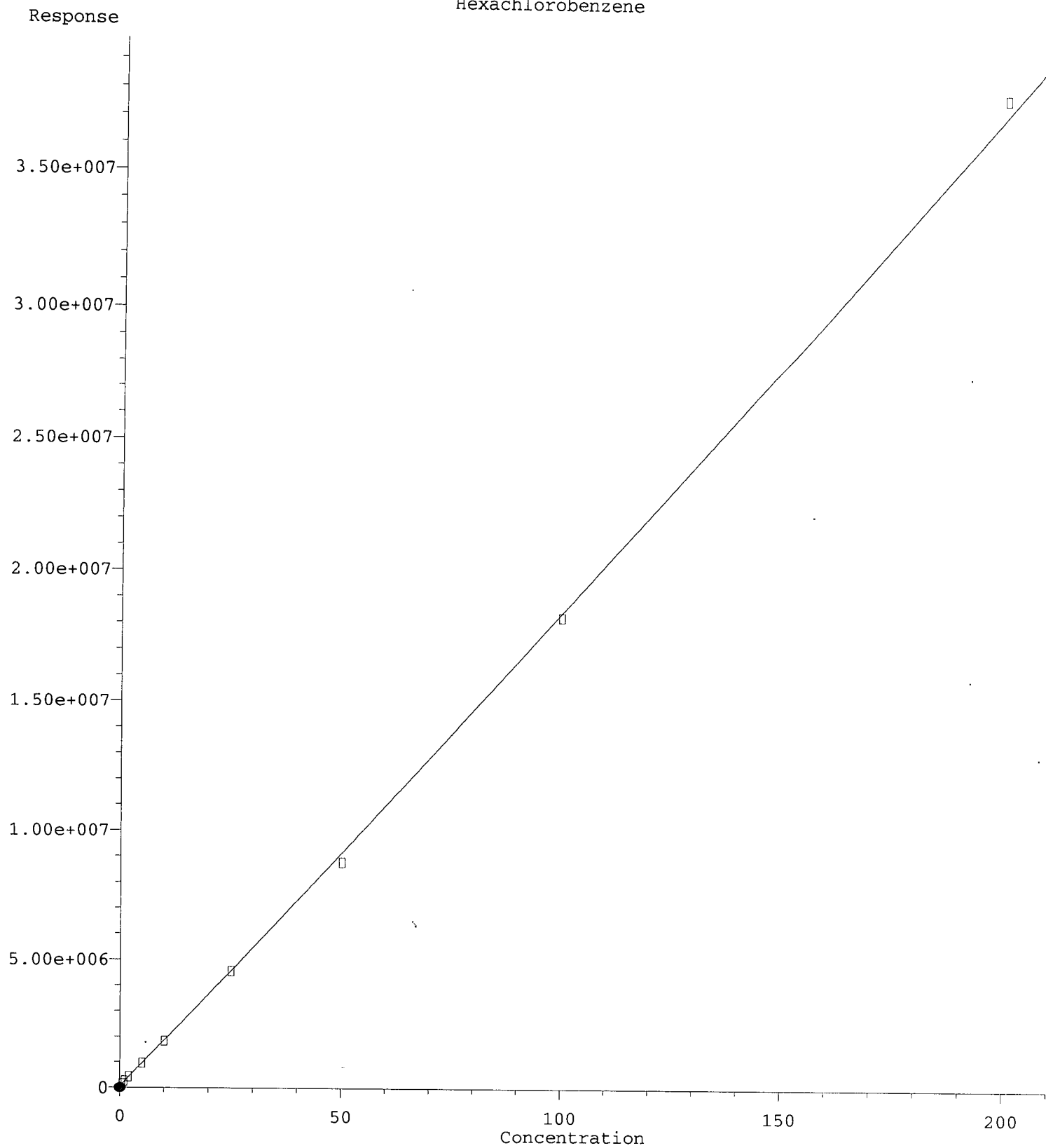


(23) Hexachlorobutadiene
3.170min 11064.694 ng/mL m
response 2750

MJB
3/25/20

(23) Hexachlorobutadiene #2
3.655min -0.209 ng/mL (m)
response 4800

Hexachlorobenzene

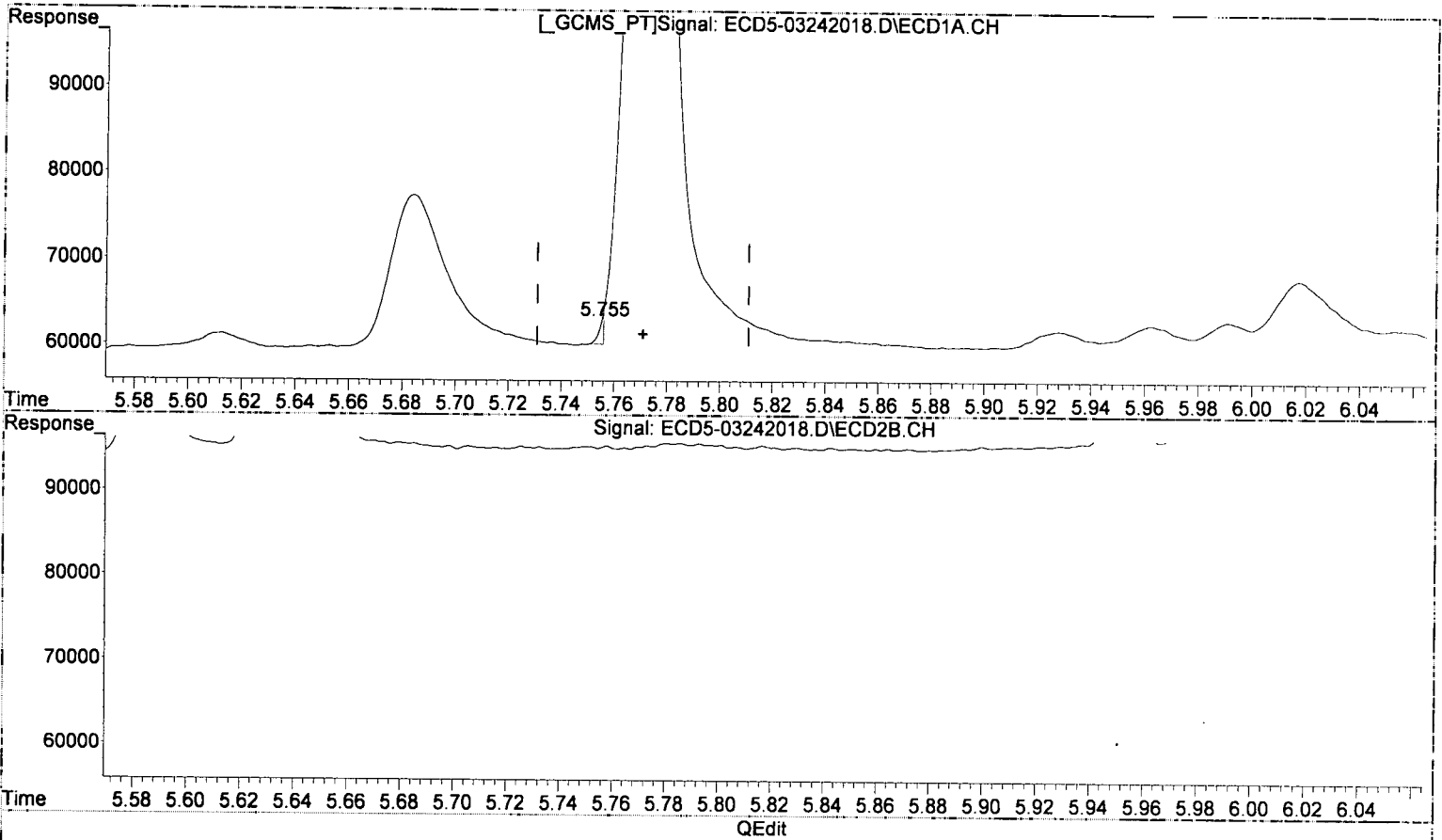


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

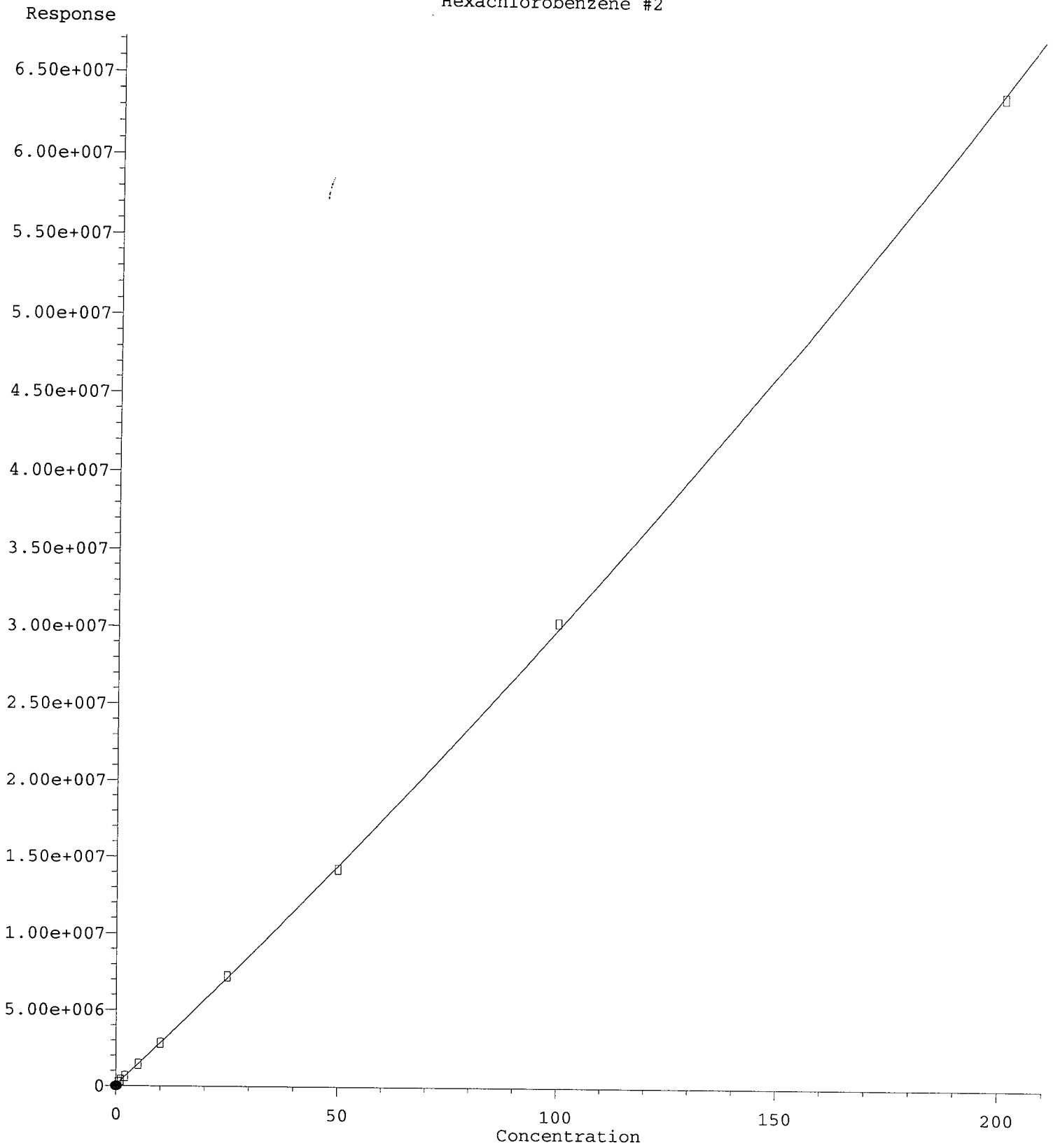


(24) Hexachlorobenzene
5.755min -0.262 ng/mL (m)
response 2815

MB
4/25/20

(24) Hexachlorobenzene #2
6.455min 0.487 ng/mL
response 201955

Hexachlorobenzene #2



$R = 2.24e+002 A^2 + 2.76e+005 A + 6.74e+004$

Coef of Det (r^2) 0.9999

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

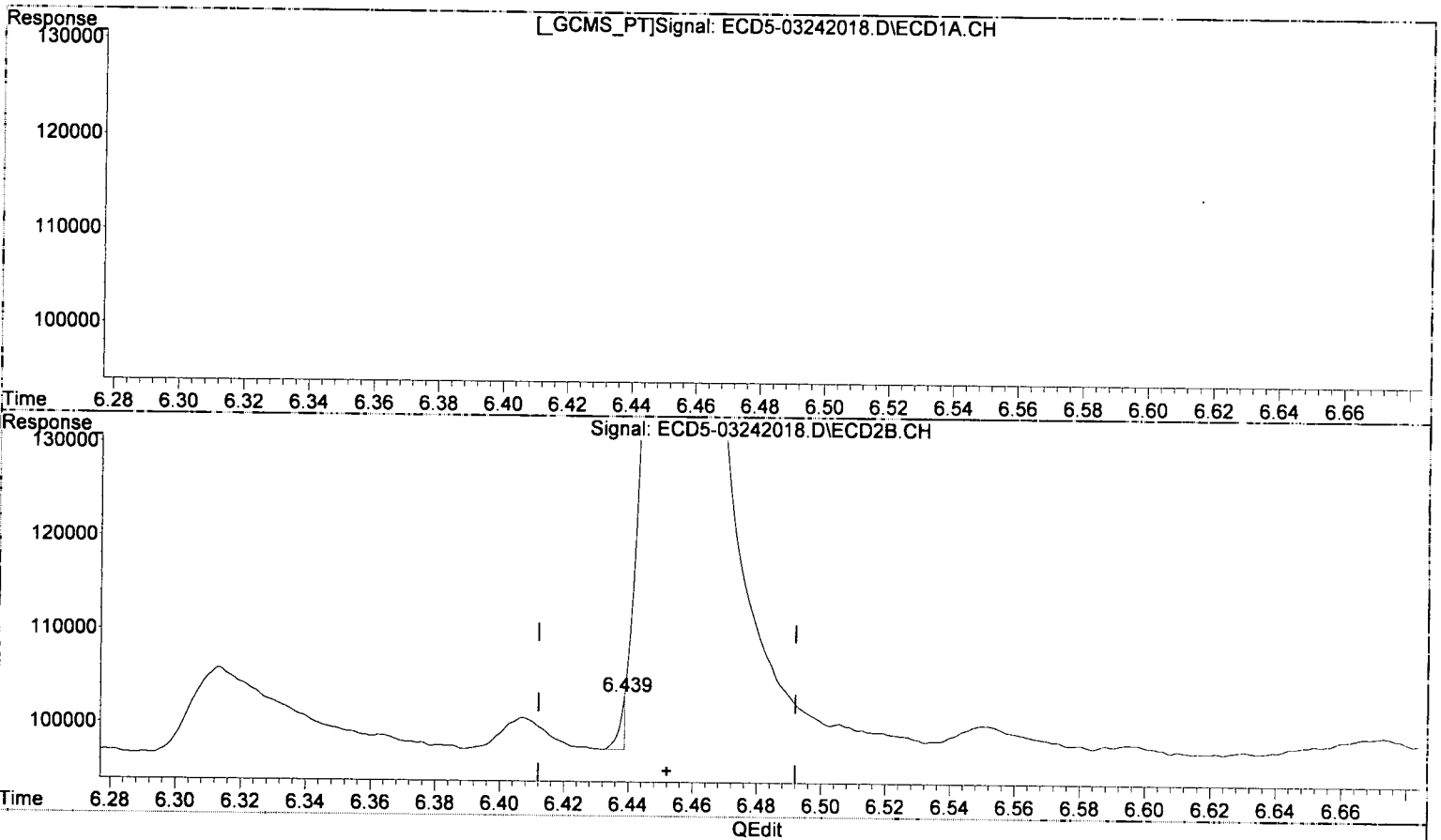
Calibration Table Last Updated: Wed Mar 25 12:55:26 2003

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

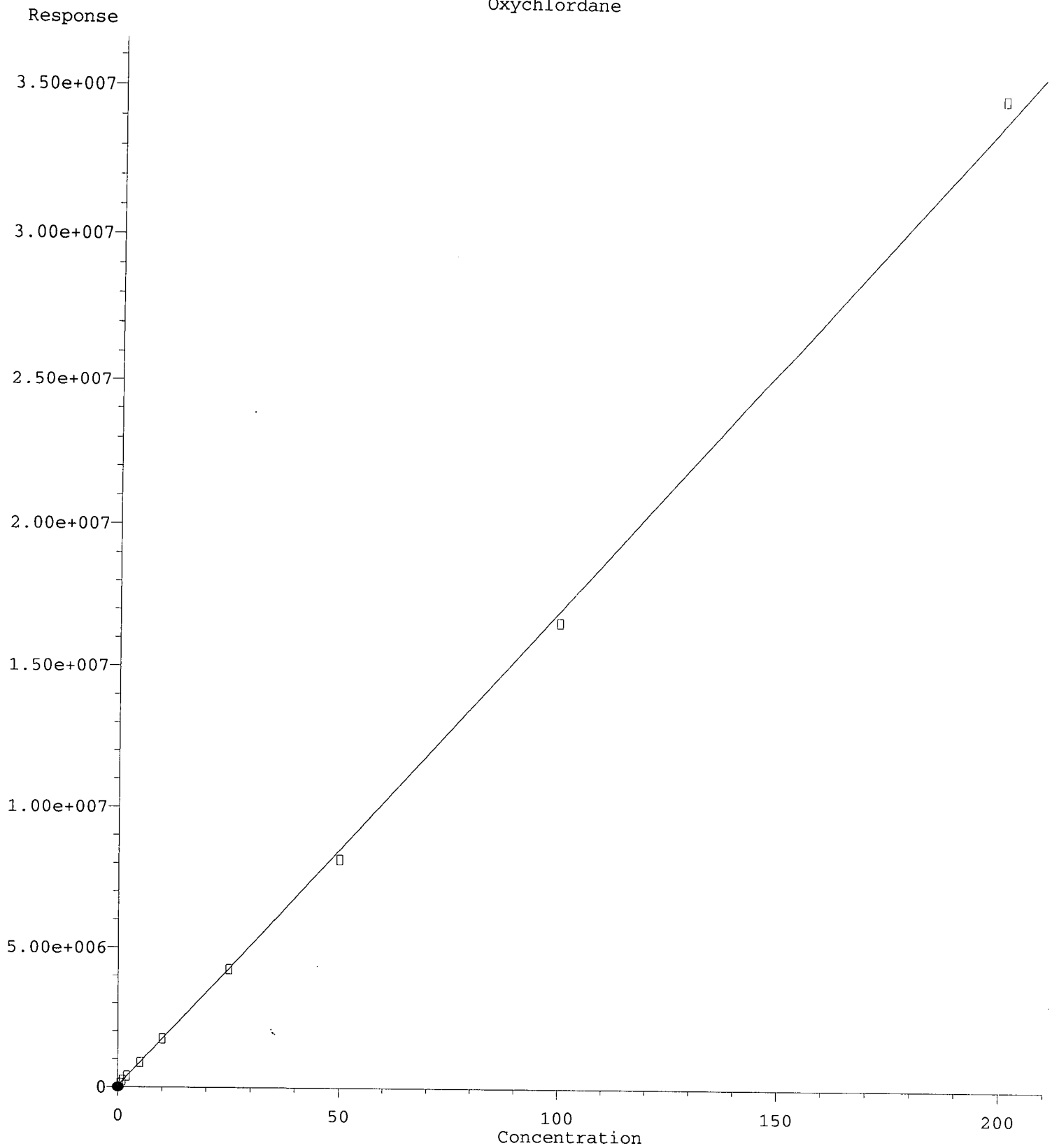


(24) Hexachlorobenzene
5.755min -0.262 ng/mL m
response 2815

*MJB
3/25/20*

(24) Hexachlorobenzene #2
6.439min -0.223 ng/mL (m)
response 5752

Oxychlordan



$R = 6.39e+000 A^*A + 1.69e+005 A + 4.34e+004$

Coef of Det (r^2) 0.9997

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

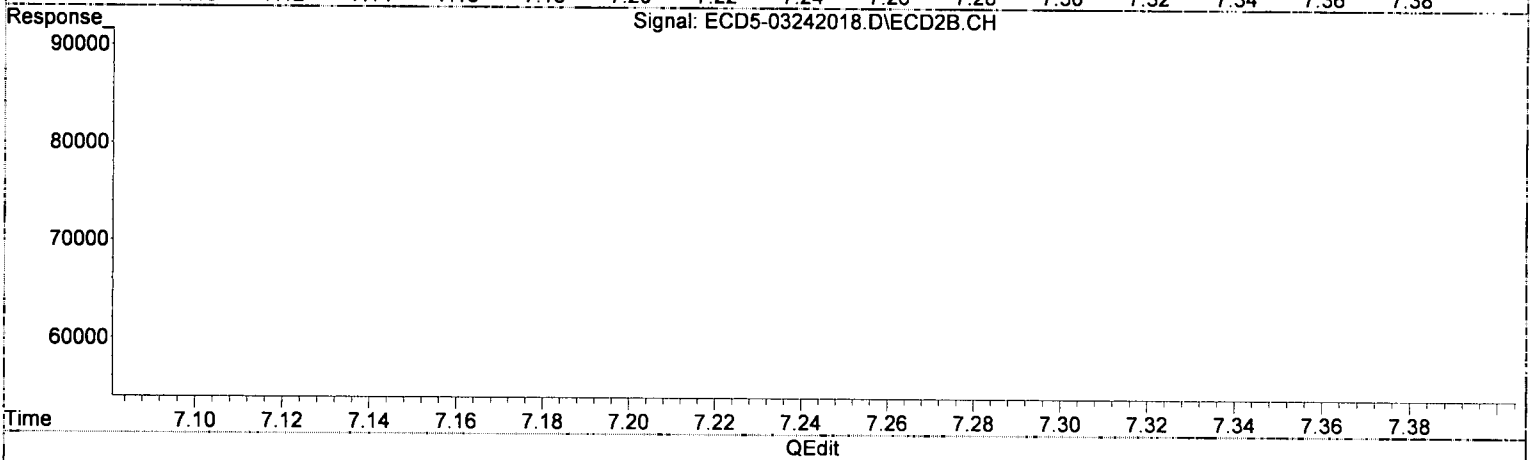
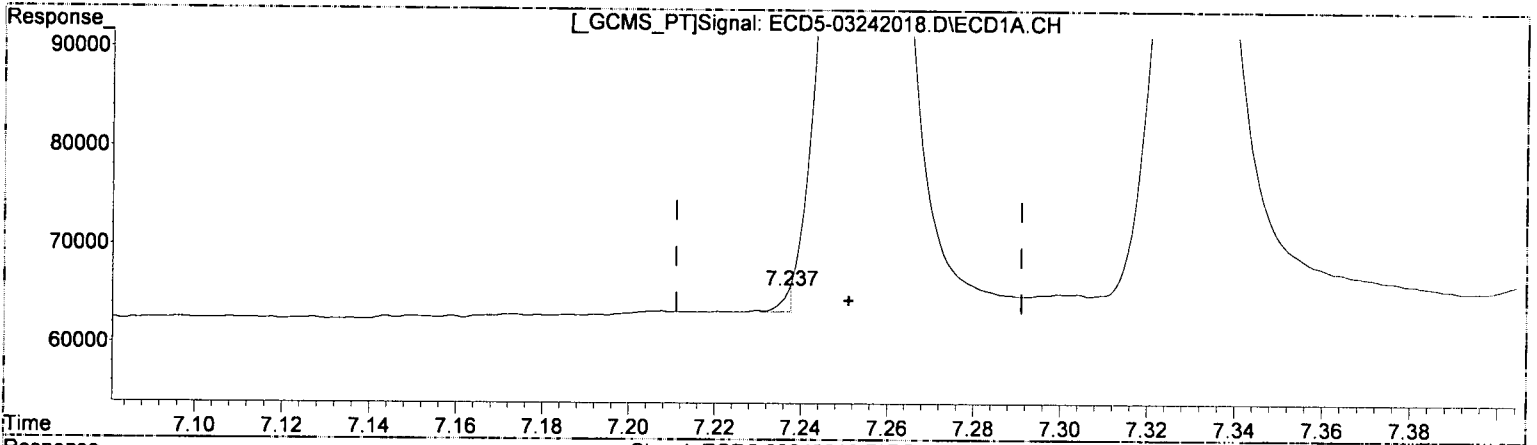
Calibration Table Last Updated: Wed Mar 25 12:55:26 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

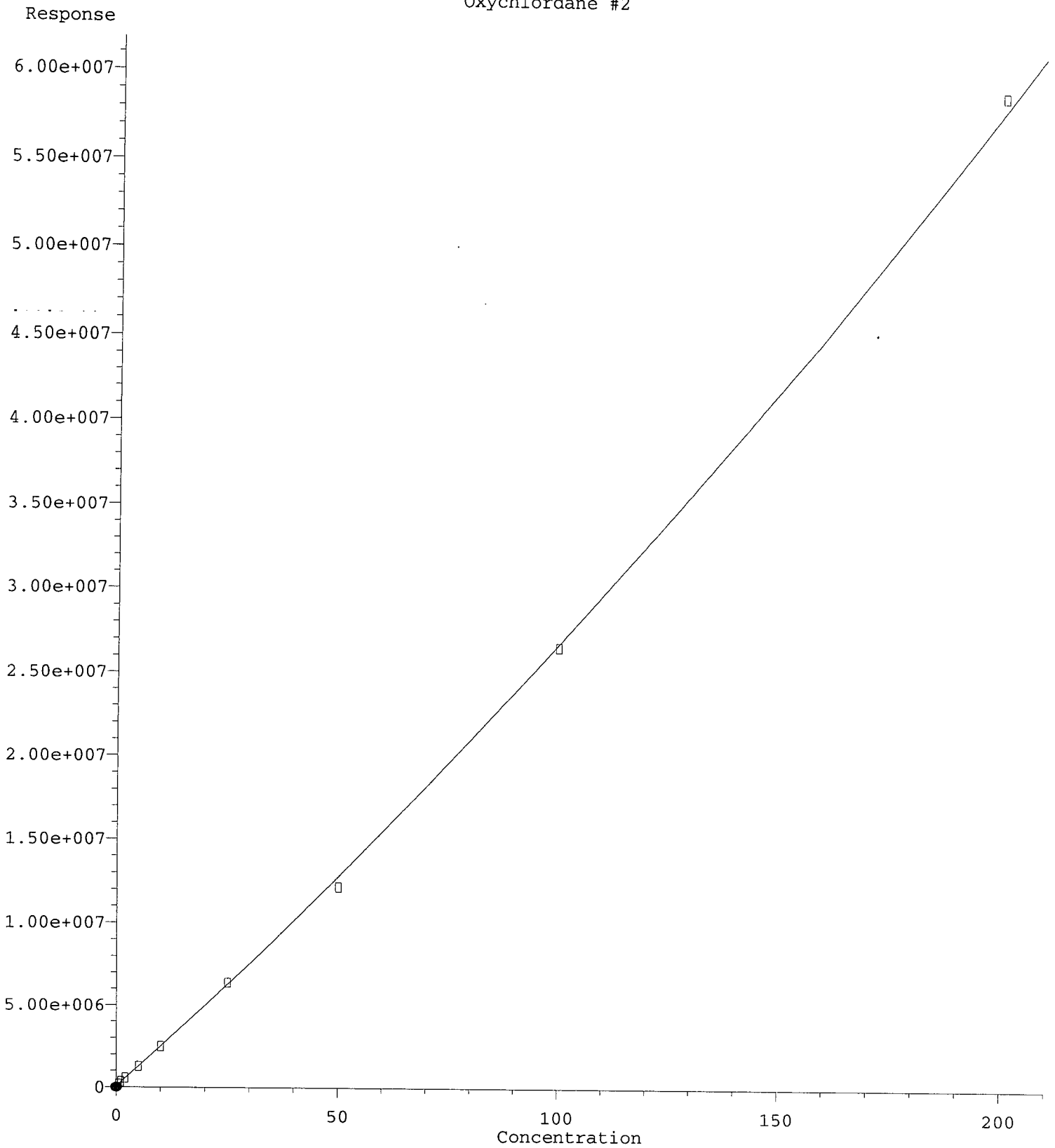


(25) Oxychlordane
7.237min -0.245 ng/mL(m)
response 2135

*MJB
3/25/20*

(25) Oxychlordane #2
7.923min 0.475 ng/mL
response 180540

Oxychlordan #2



$R = 2.38e+002 A^2 + 2.43e+005 A + 6.54e+004$

Coef of Det (r^2) 0.9977

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

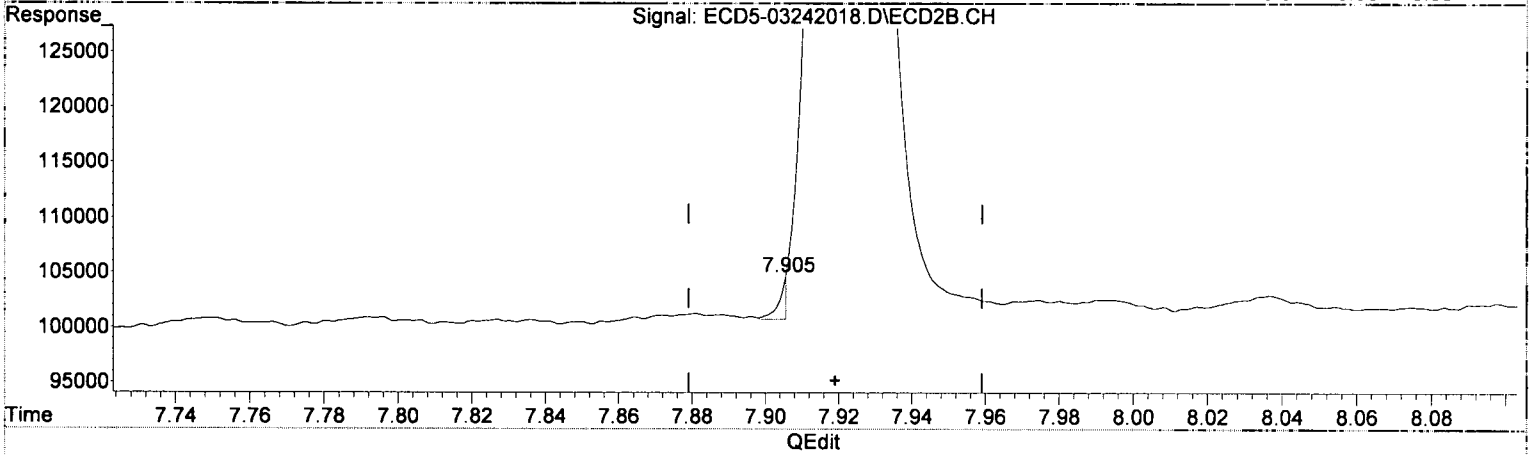
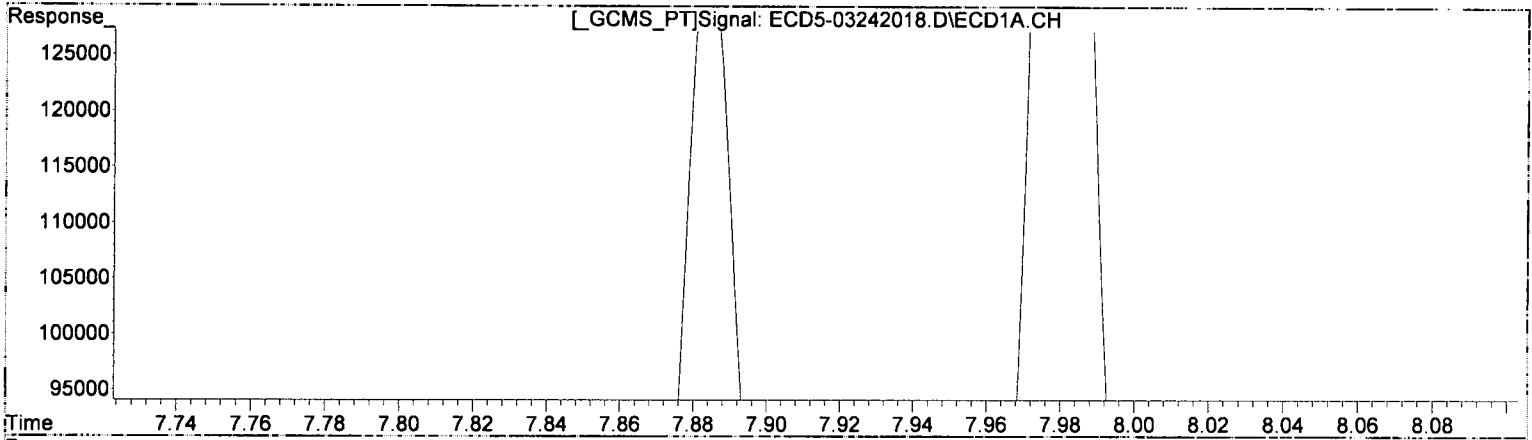
Calibration Table Last Updated: Wed Mar 25 12:55:06 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

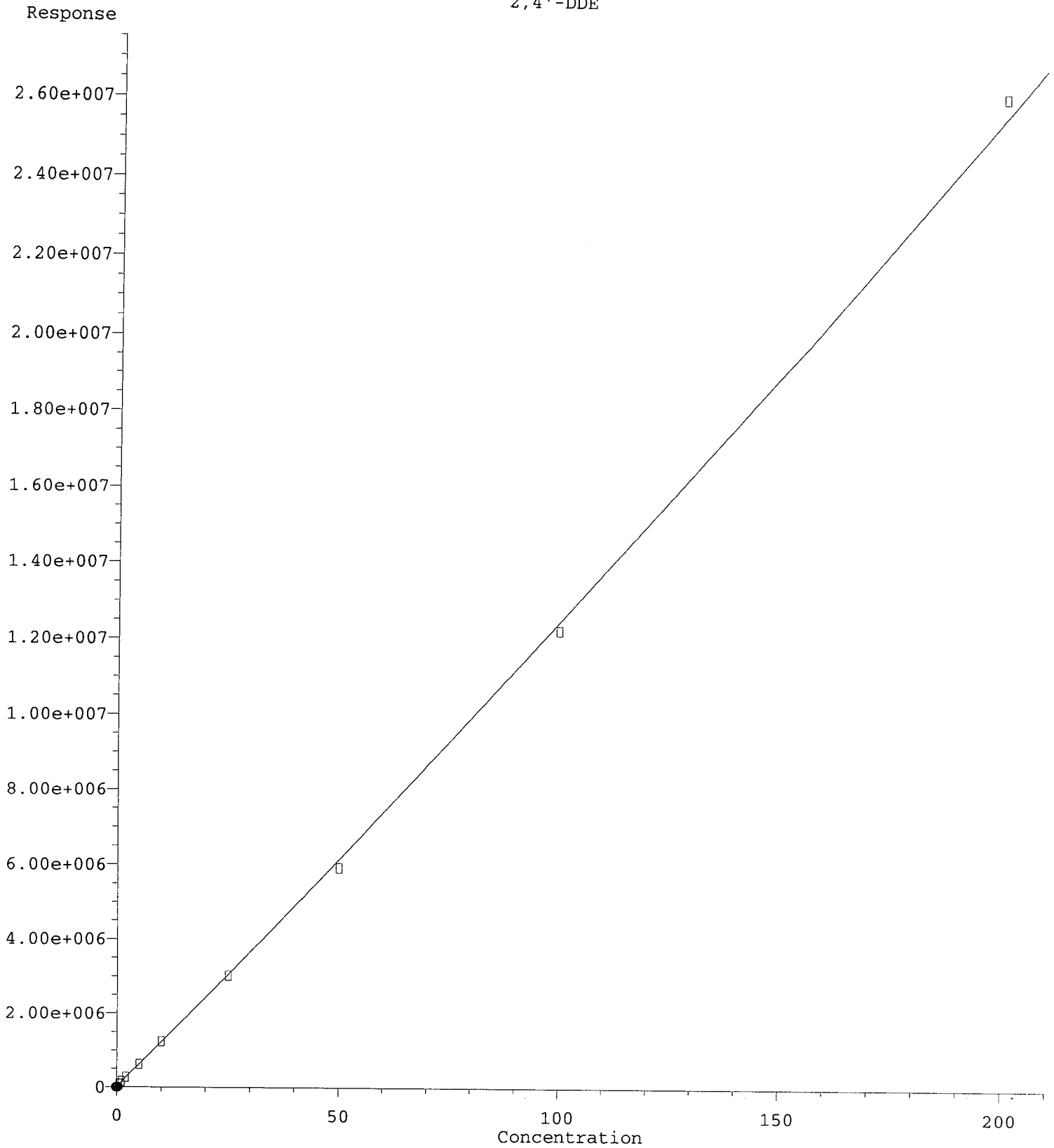


(25) Oxychlordane
7.237min -0.245 ng/mL m
response 2135

MJB
3/25/20

(25) Oxychlordane #2
7.905min -0.254 ng/mL (m)
response 3897

2,4'-DDE



$R = 4.06e+001 A^2 + 1.20e+005 A + 2.57e+004$

Coef of Det (r^2) 0.998

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

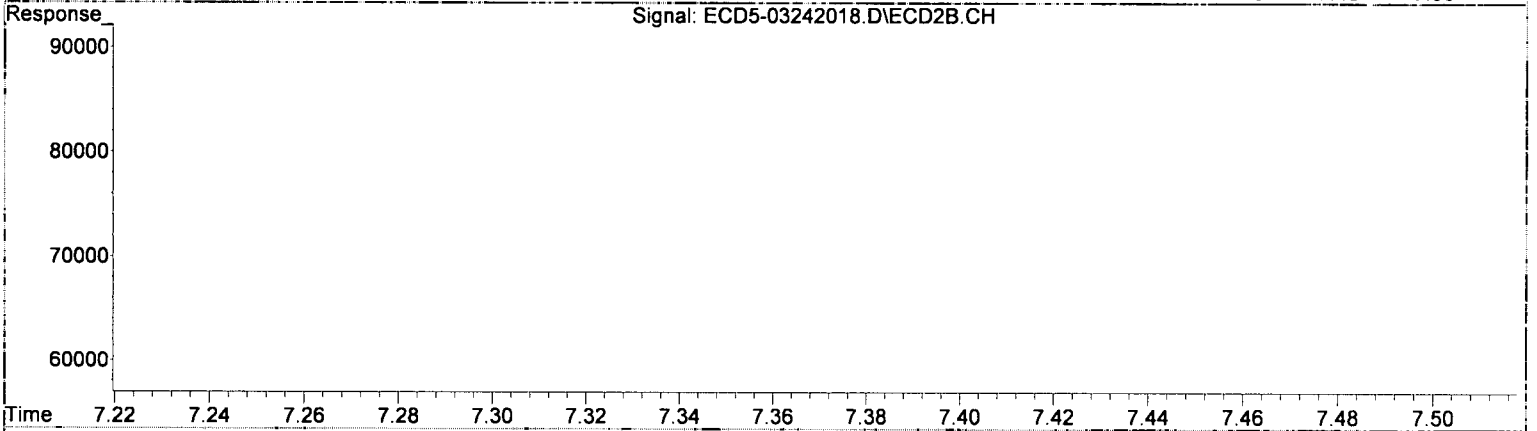
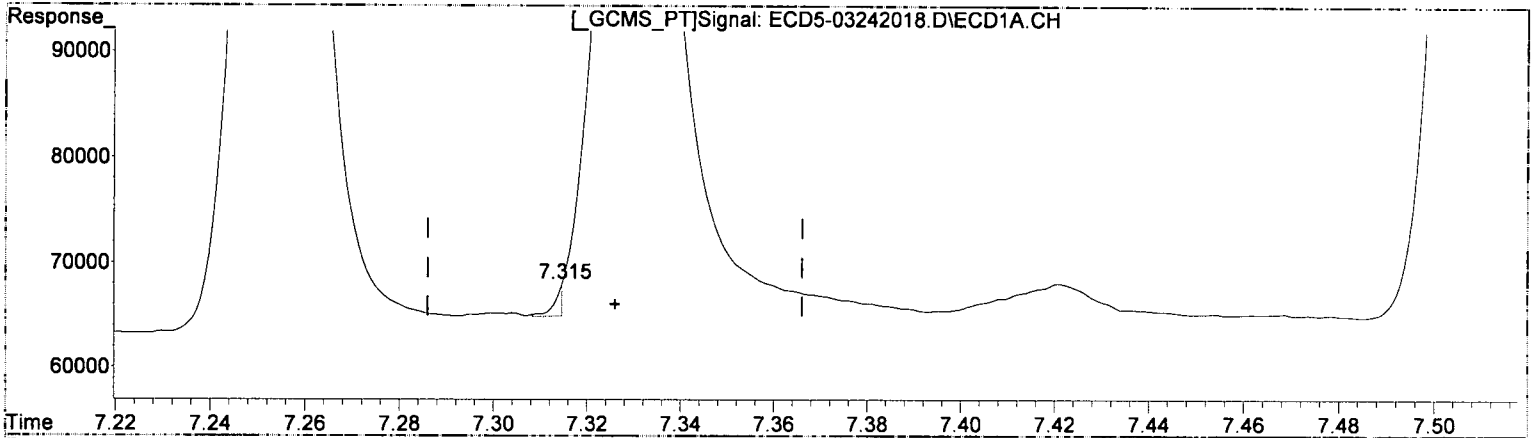
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

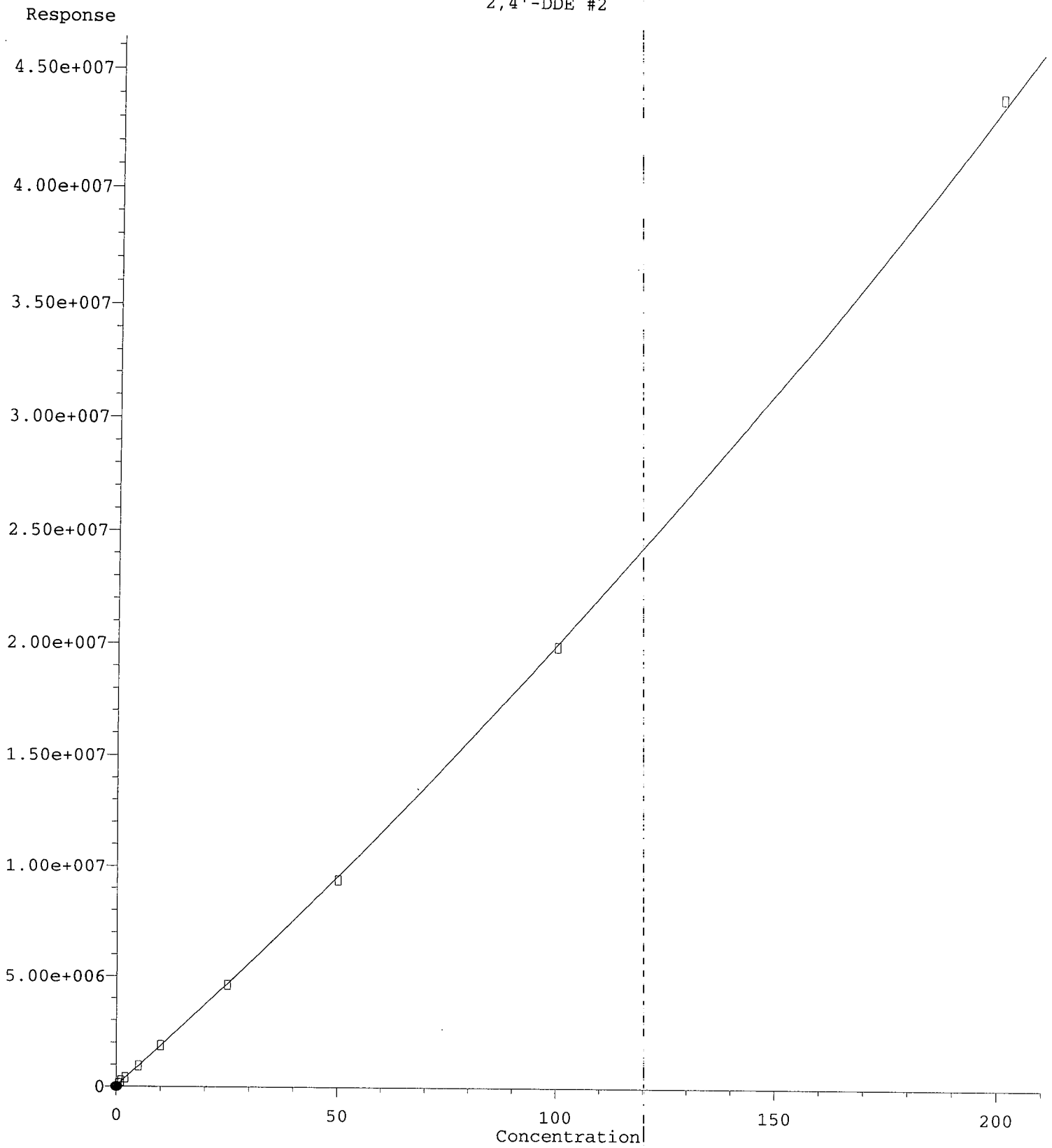
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.315min -0.188 ng/mL(m)
response 3074

MJB
3/25/20

(26) 2,4'-DDE #2
8.127min 0.476 ng/mL
response 124973

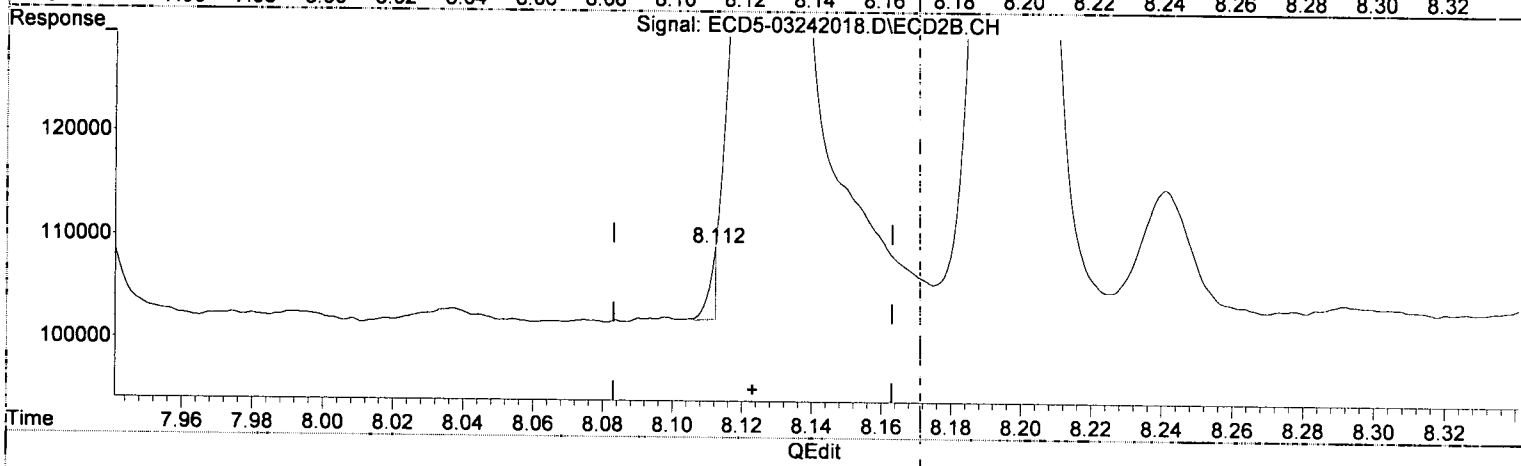
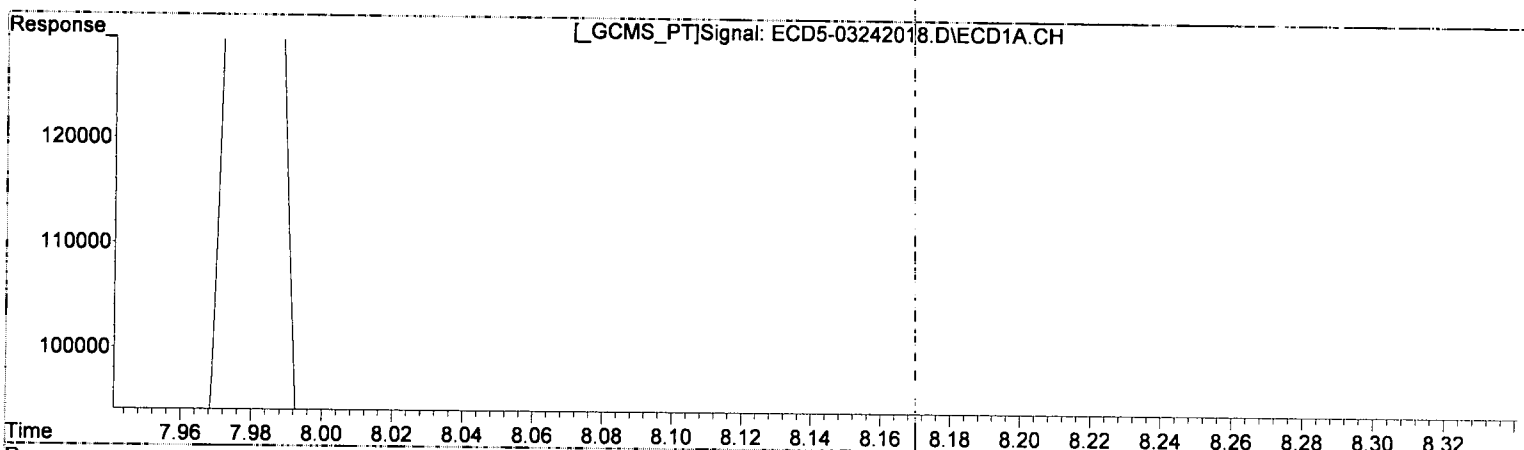


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

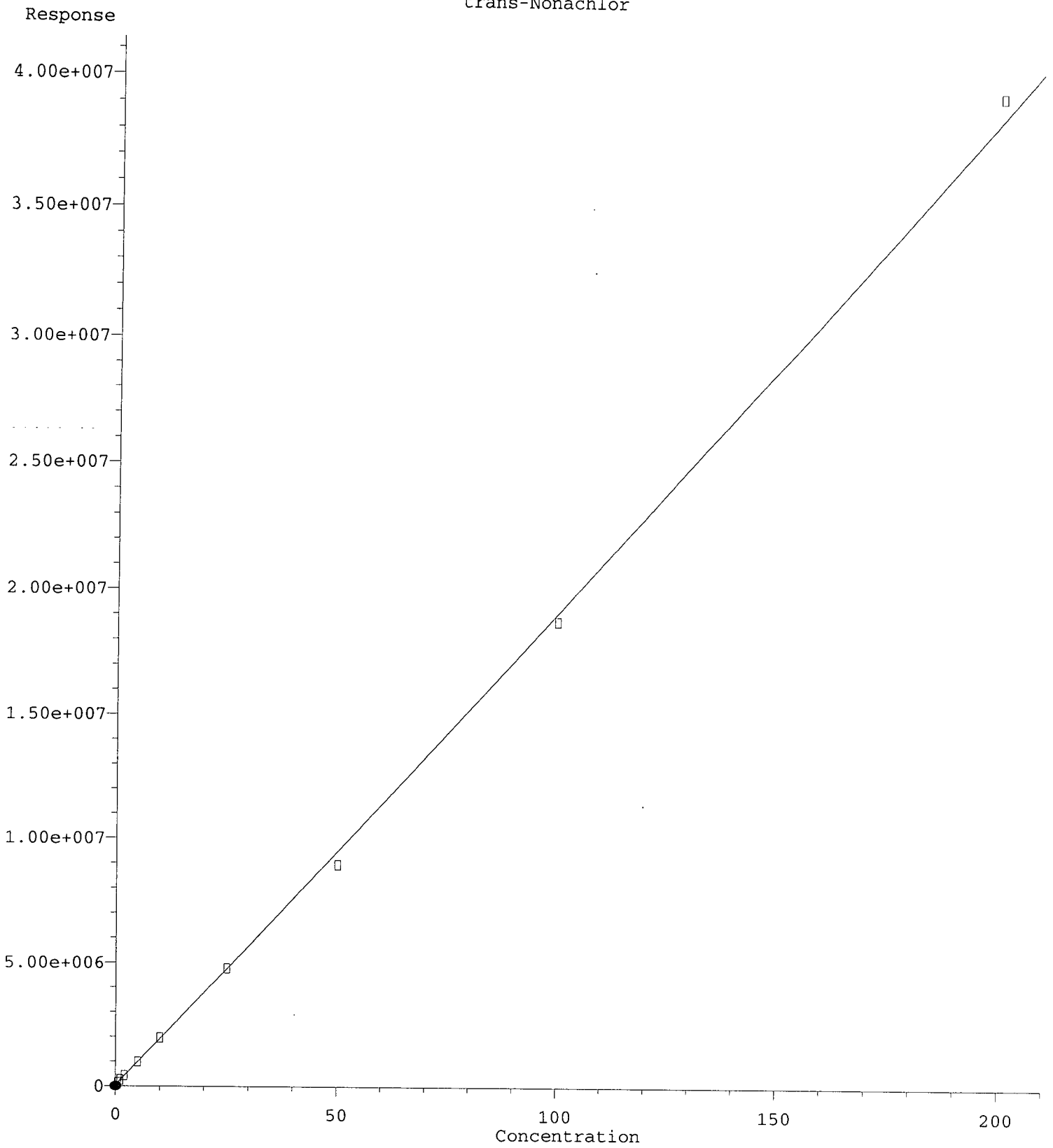


(26) 2,4'-DDE
7.315min -0.188 ng/mL m
response 3074

MJB
2/25/20

(26) 2,4'-DDE #2
8.112min -0.176 ng/mL(m)
response 6955

trans-Nonachlor



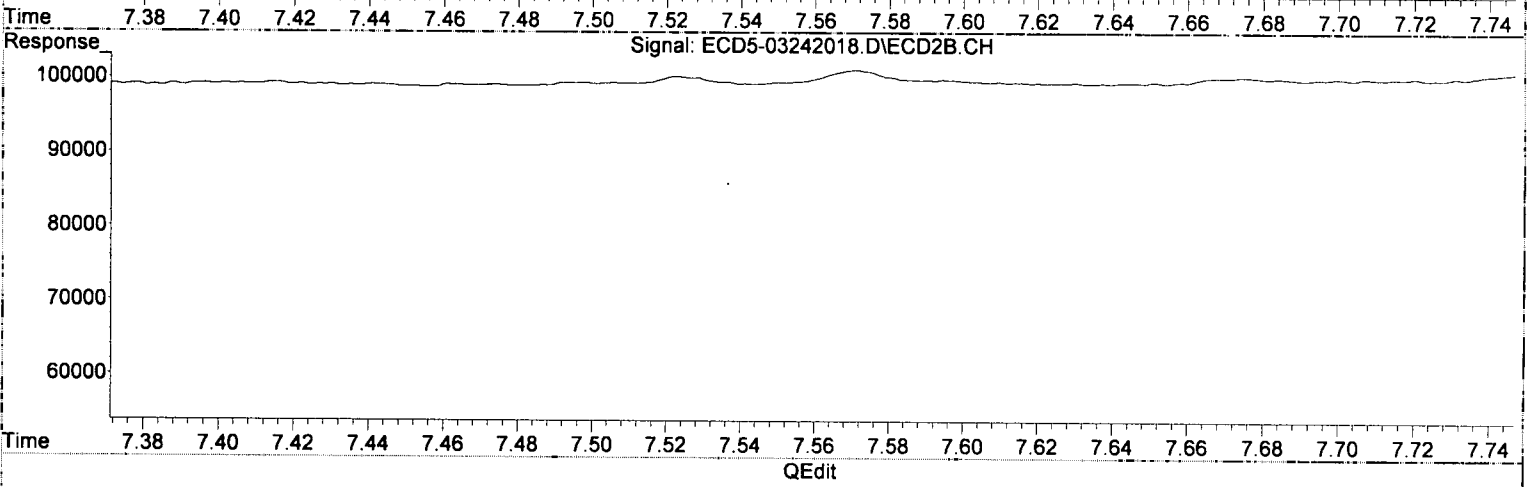
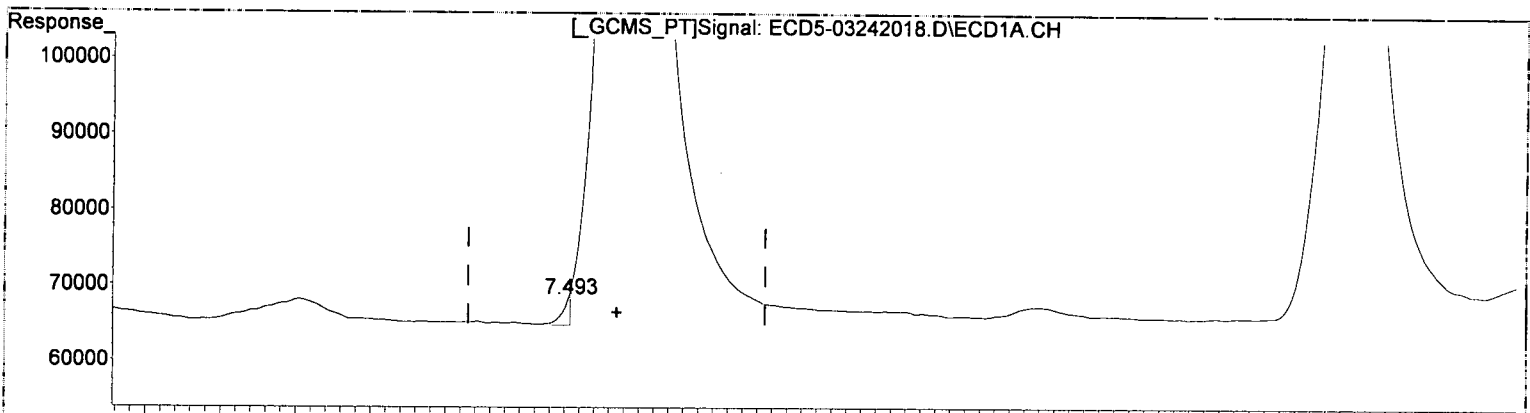
R = 2.61e+001 A*A + 1.87e+005 A + 4.86e+004
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

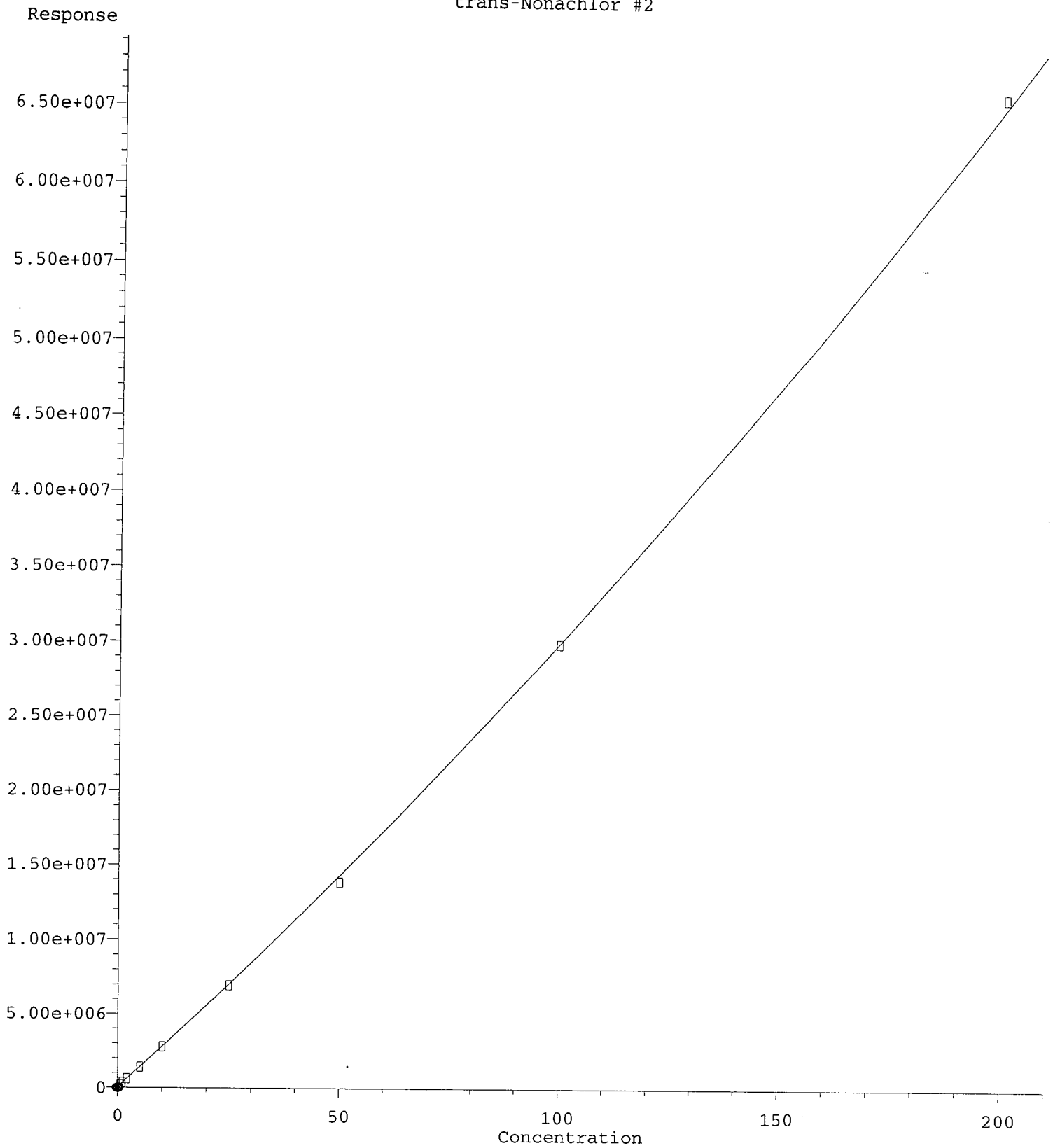


(27) trans-Nonachlor
7.493min -0.240 ng/mL(m)
response 3516

MJB
3/25/20

(27) trans-Nonachlor #2
8.197min 0.477 ng/mL
response 194733

trans-Nonachlor #2



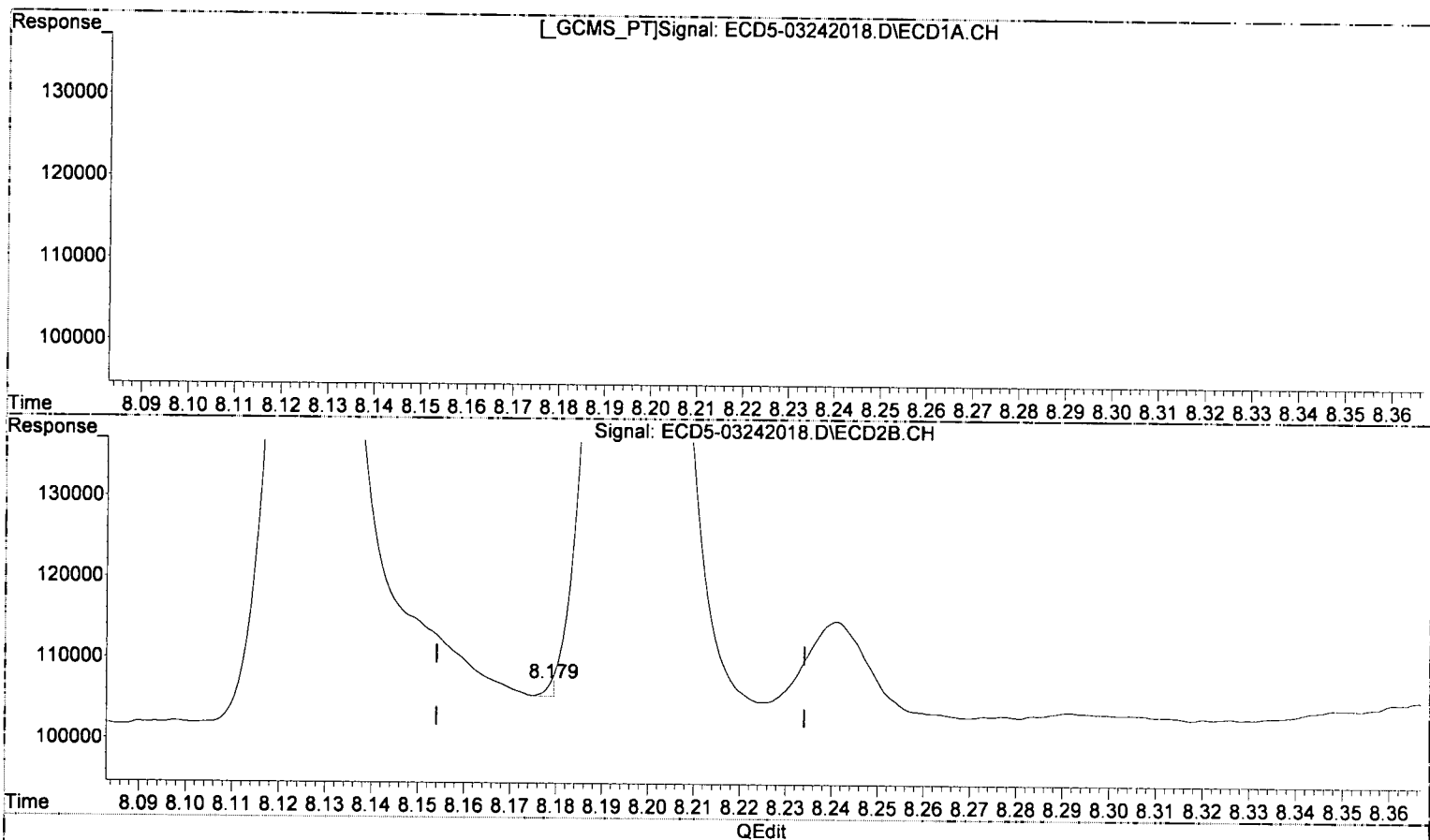
R = 2.76e+002 A*A + 2.71e+005 A + 6.53e+004
Coef of Det (r^2) 0.998
Curve Fit Period 2019-04-11 10:55:26
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 10:55:26 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

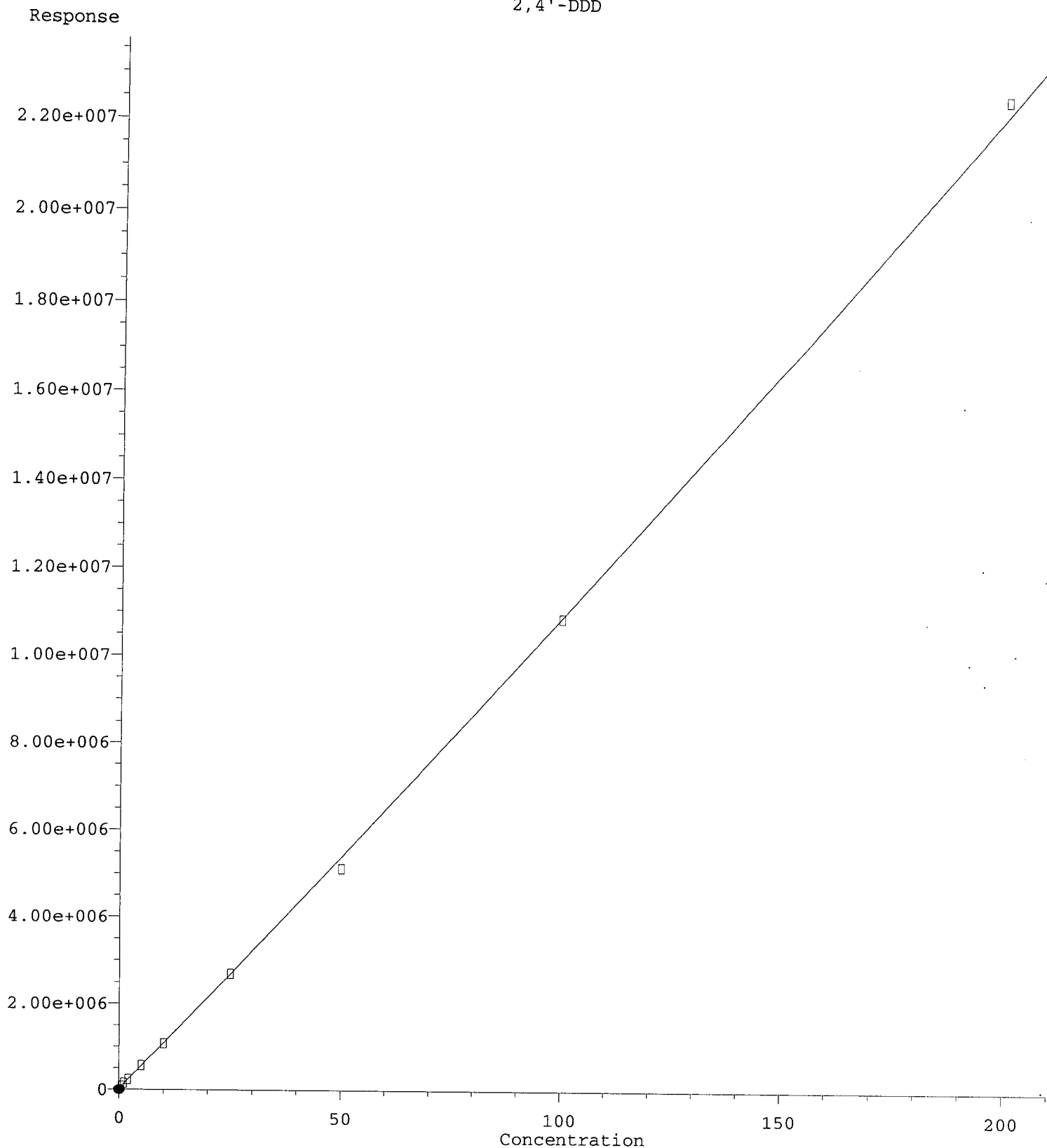
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(27) trans-Nonachlor
7.493min -0.240 ng/mL m
response 3516

MJB
3/25/20

(27) trans-Nonachlor #2
8.179min -0.235 ng/mL(m)
response 1674



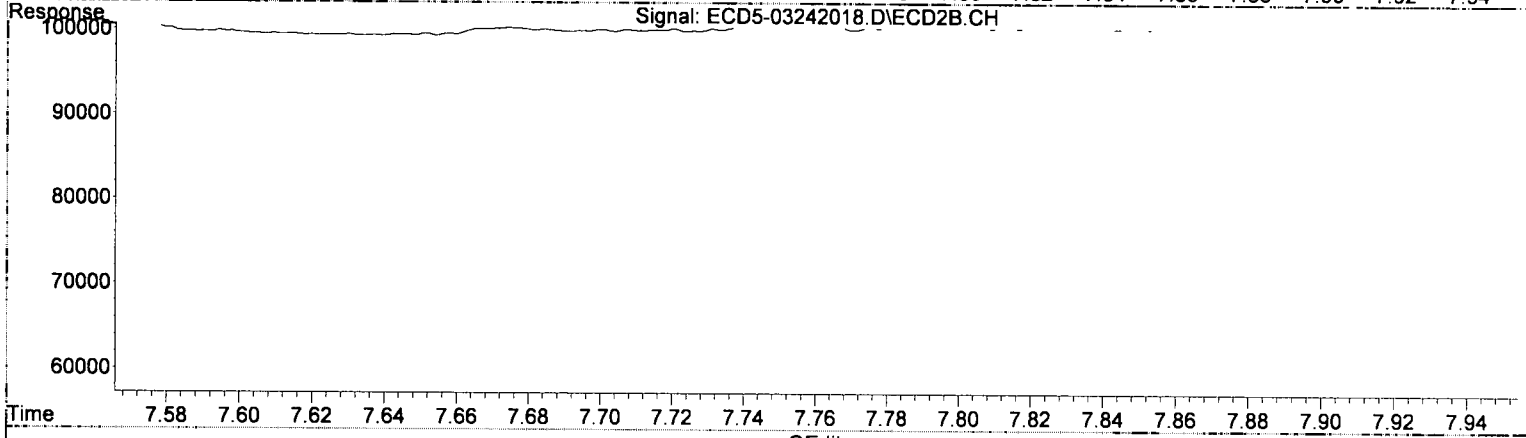
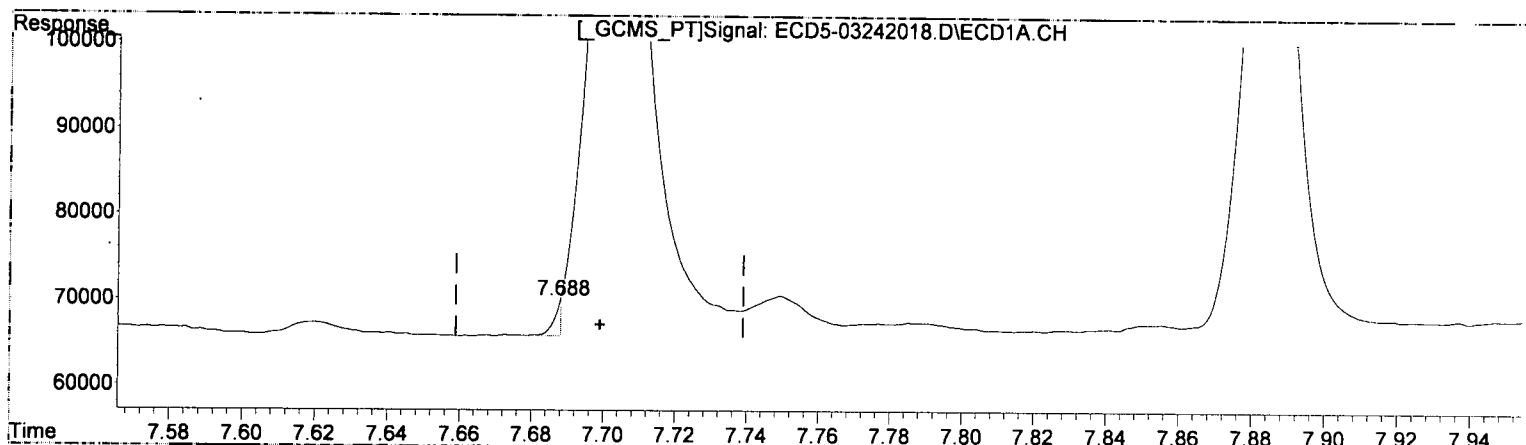
R = 2.64e+001 A*A + 1.06e+005 A + 2.97e+004
Coef of Det (r^2) = 0.9987
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

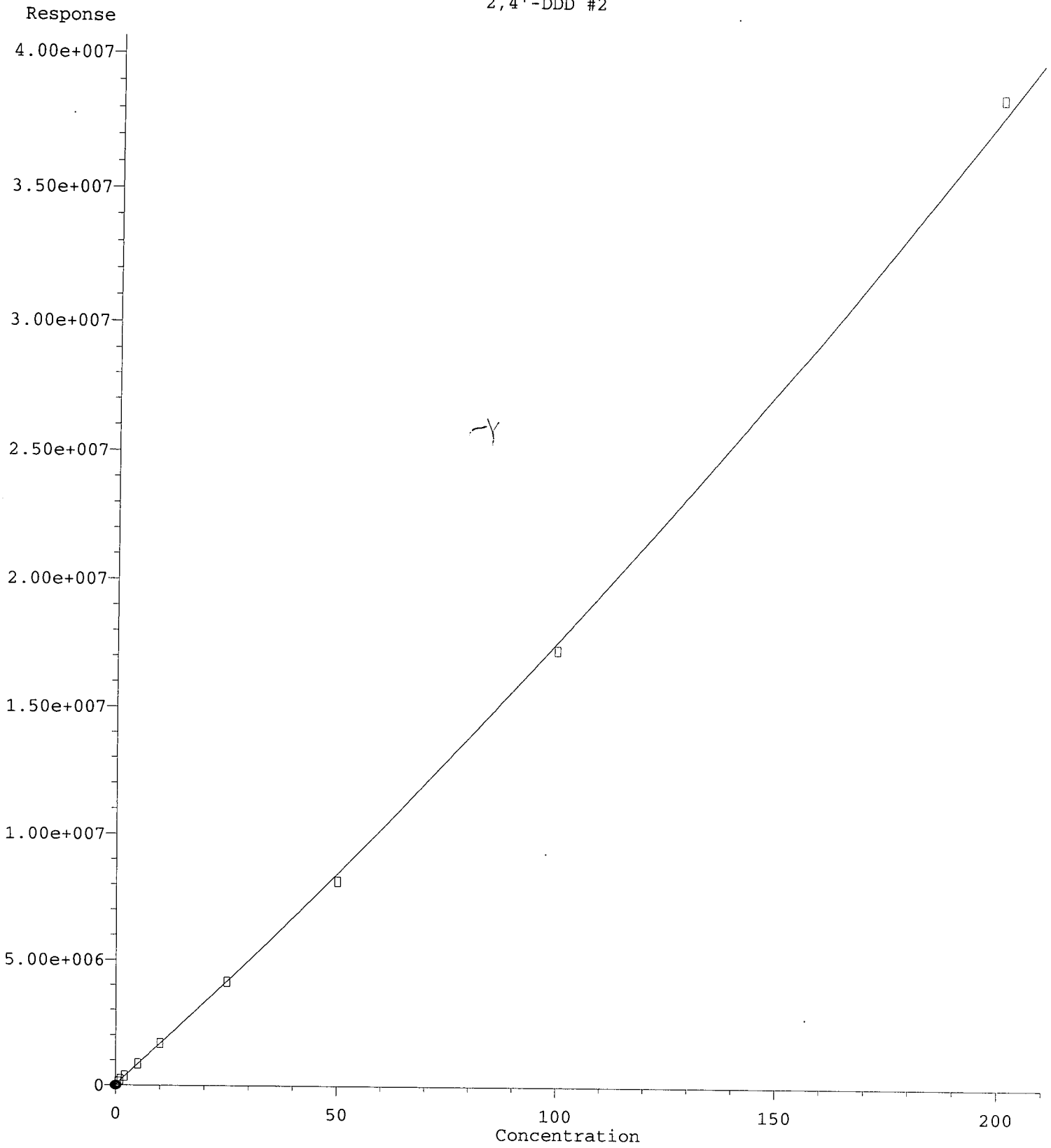
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
7.688min -0.241 ng/mL(m)
response 4207

MJB
3/25/20

(28) 2,4'-DDD #2
8.500min 0.475 ng/mL
response 121076

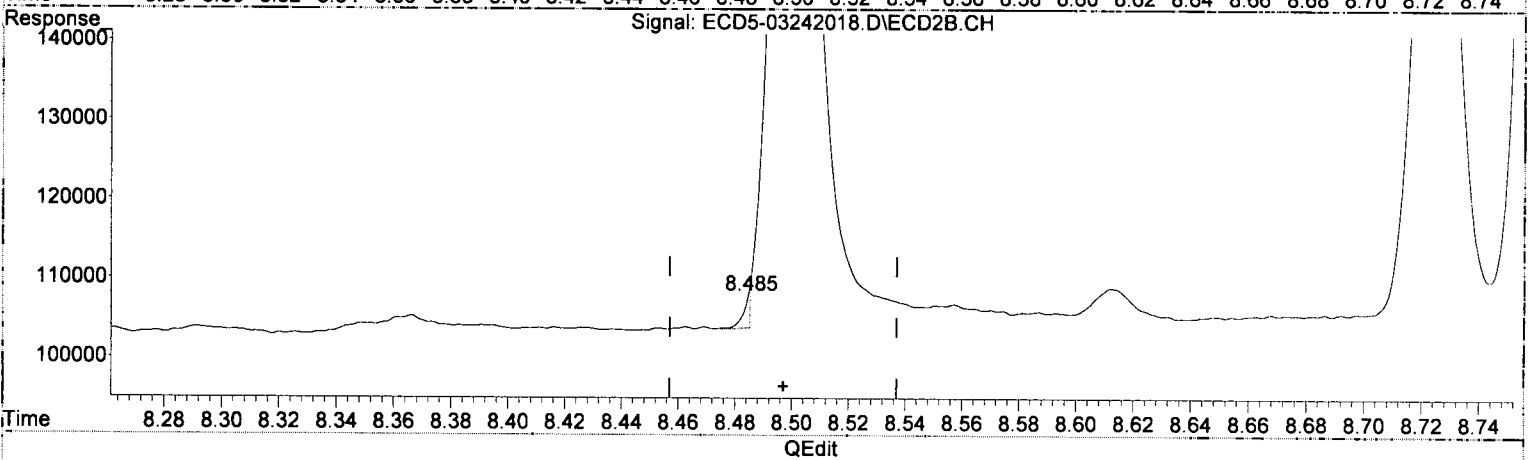
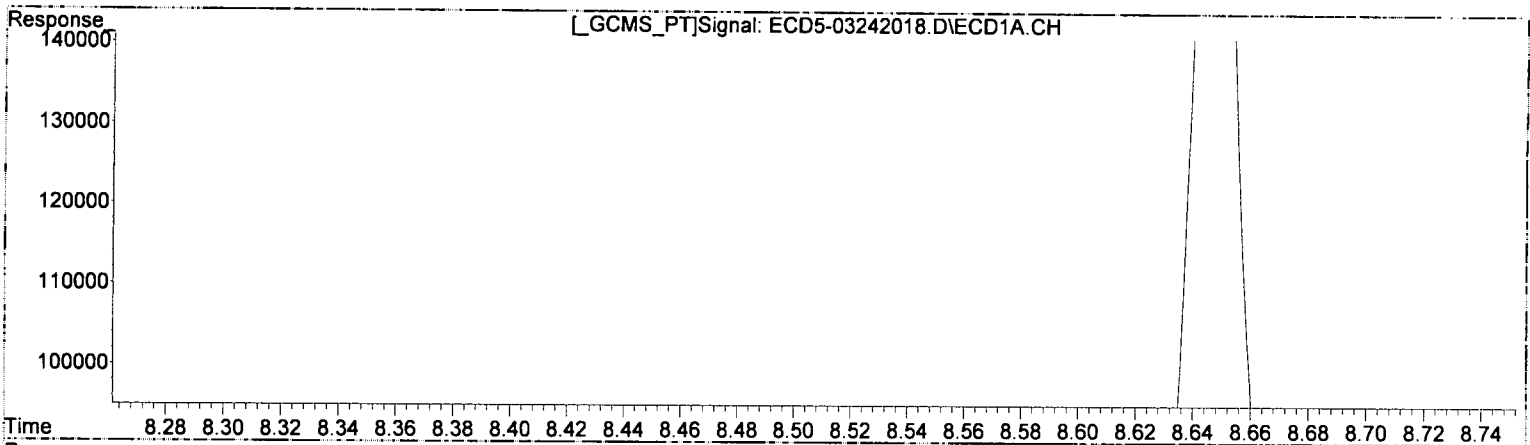


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

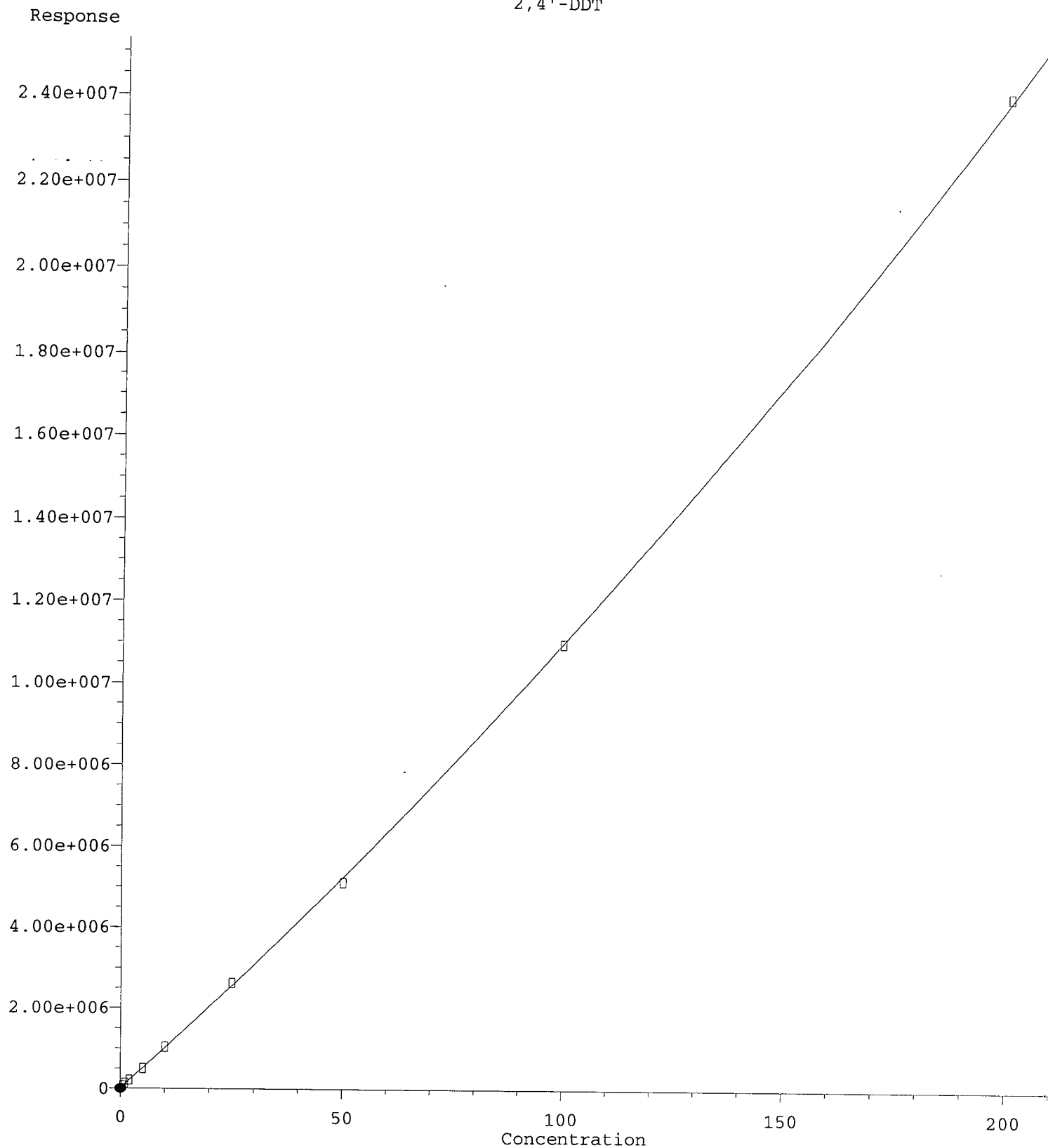


(28) 2,4'-DDD
7.688min -0.241 ng/mL m
response 4207

MJB
3/24/20

(28) 2,4'-DDD #2
8.485min -0.252 ng/mL(m)
response 4104

2,4'-DDT



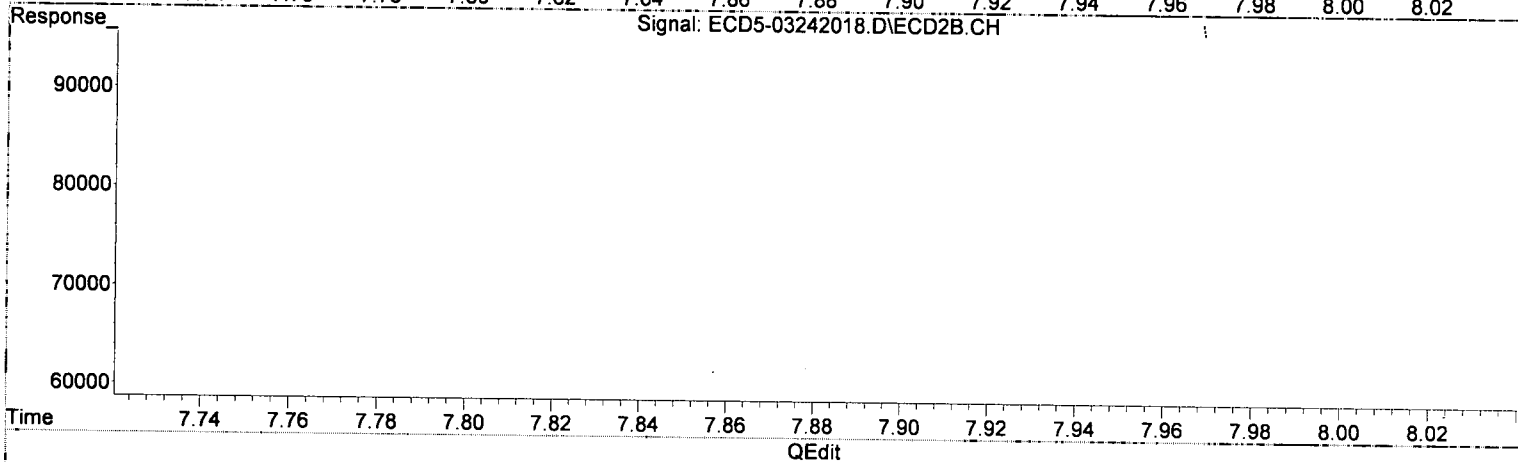
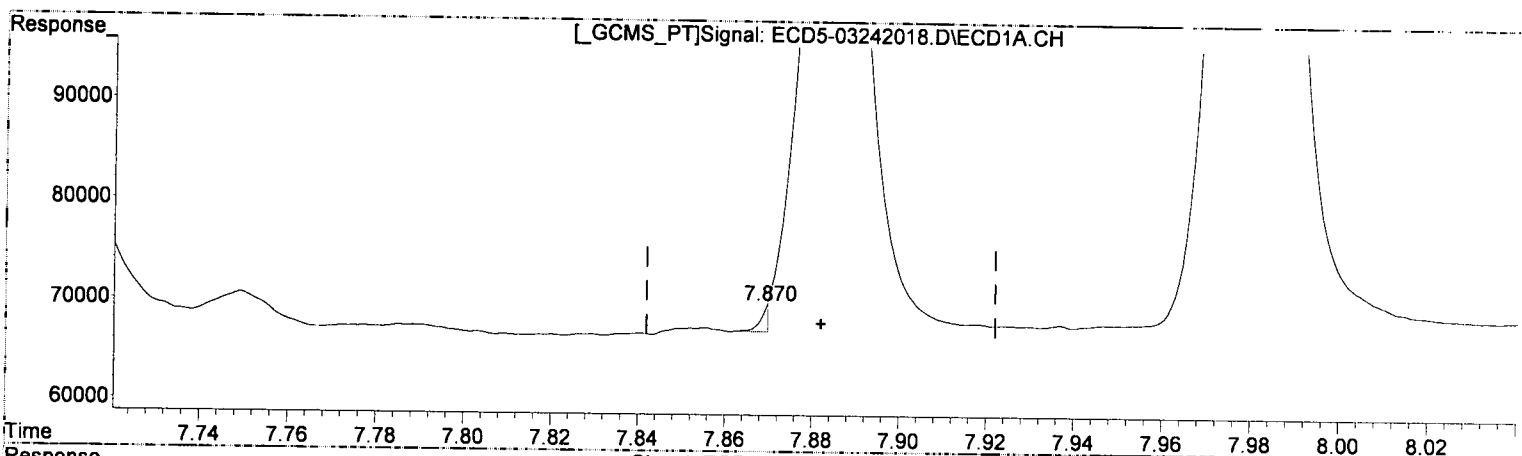
R = 1.04e+002 A*A + 9.91e+004 A + 2.01e+004
Coef of Det (r^2) 0.997
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualeCD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

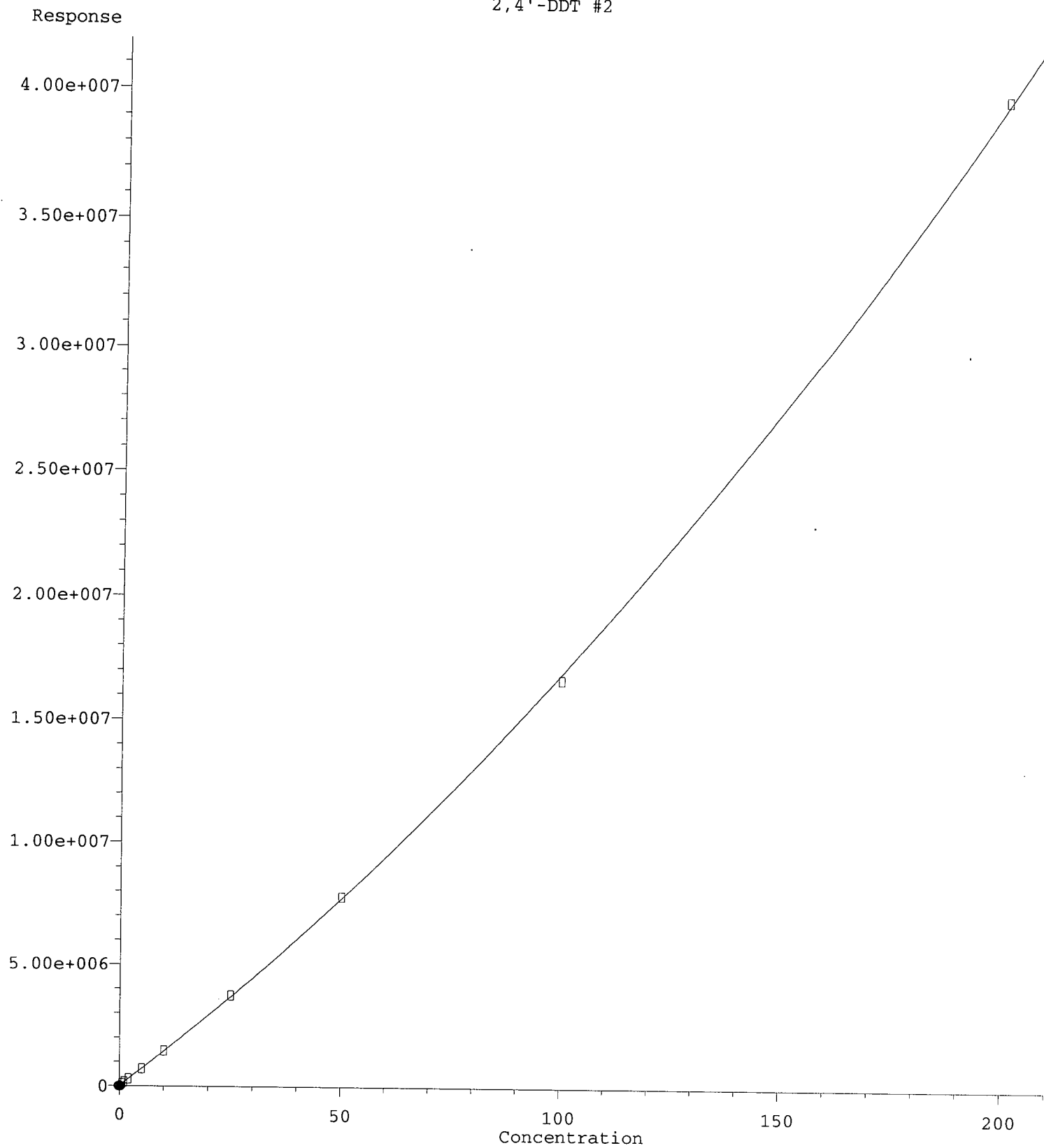


(29) 2,4'-DDT
7.870min -0.176 ng/mL (m)
response 2632

MJB 3/25/20

(29) 2,4'-DDT #2
8.725min 0.488 ng/mL
response 93729

2,4'-DDT #2



$R = 2.99e+002 A^2 + 1.39e+005 A + 2.59e+004$

Coef of Det (r^2) 0.9999

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

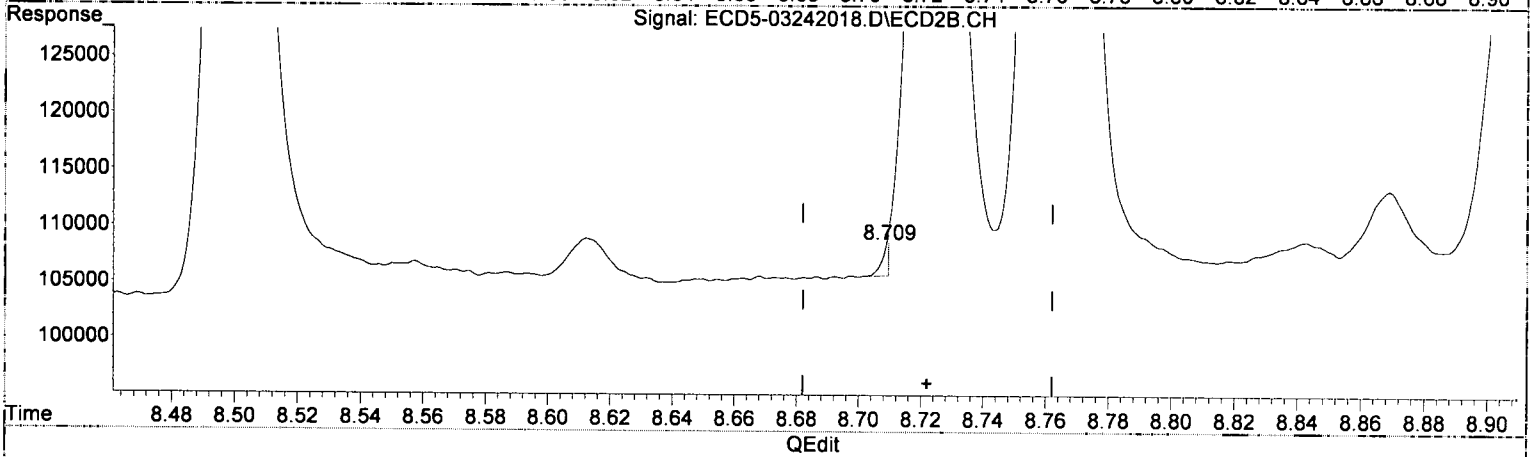
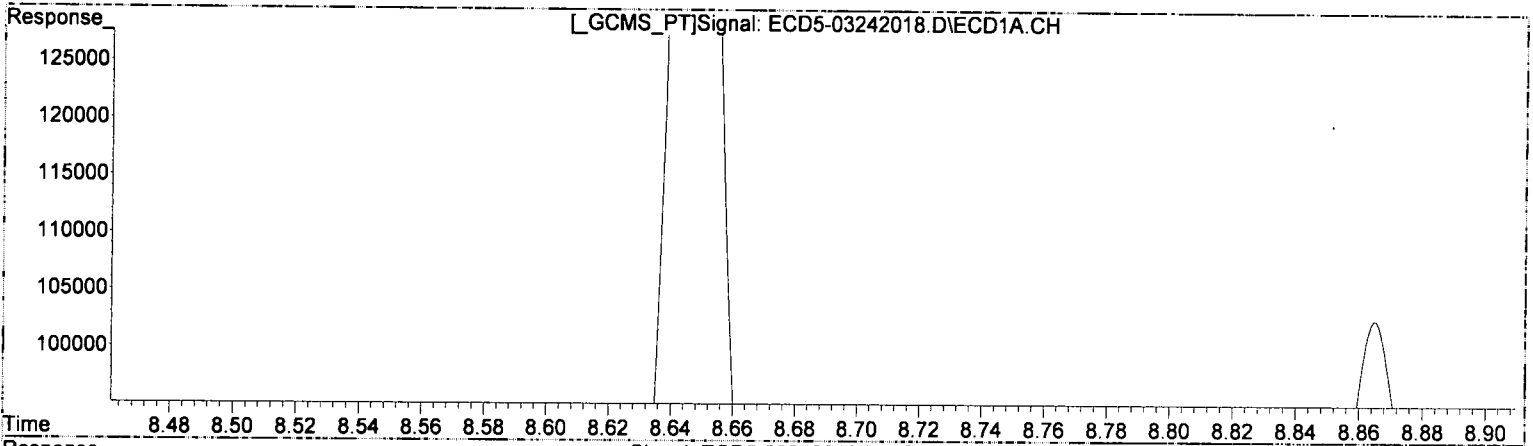
Calibration Table Last Updated: Wed Mar 25 12:55:26 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

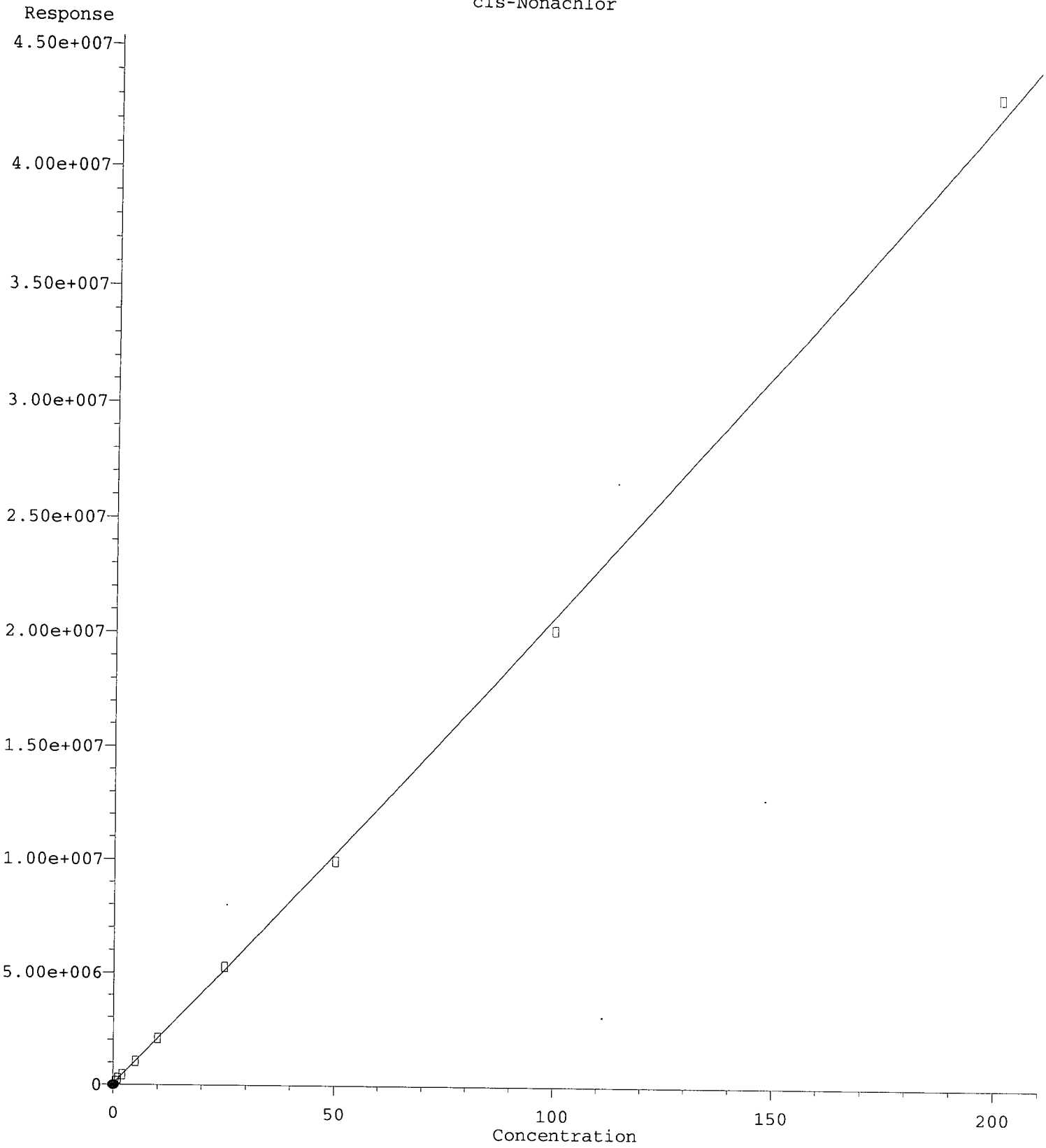


(29) 2,4'-DDT
7.870min -0.176 ng/mL m
response 2632

*MJB
3/25/20*

(29) 2,4'-DDT #2
8.709min -0.166 ng/mL(m)
response 2784

cis-Nonachlor



$R = 4.93e+001 A^*A + 2.02e+005 A + 4.66e+004$

Coef of Det (r^2) = 0.998

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

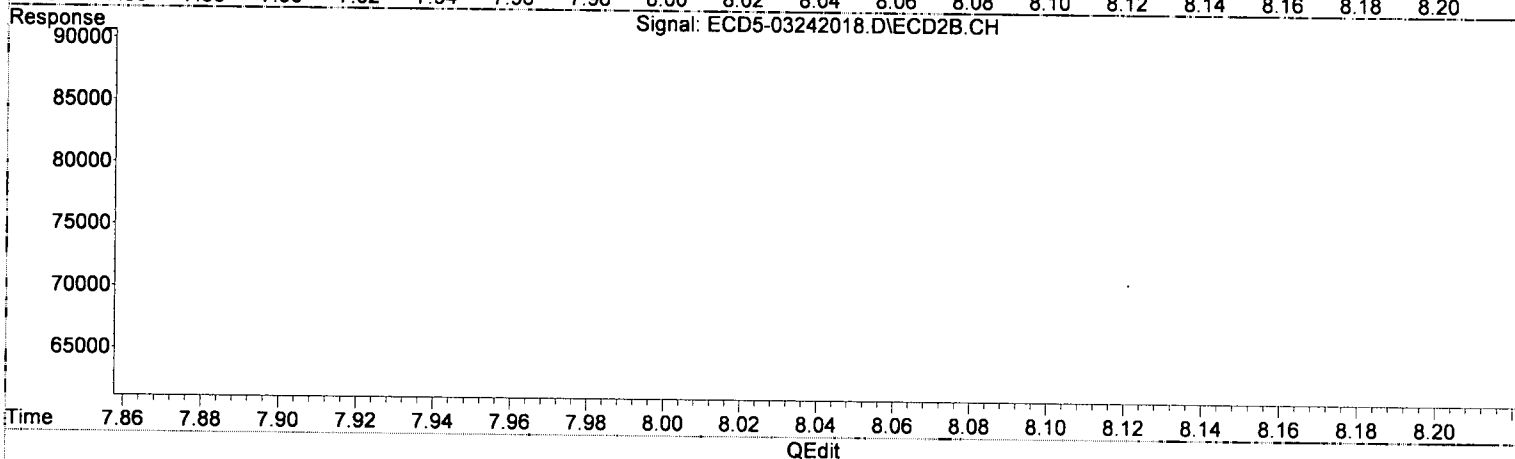
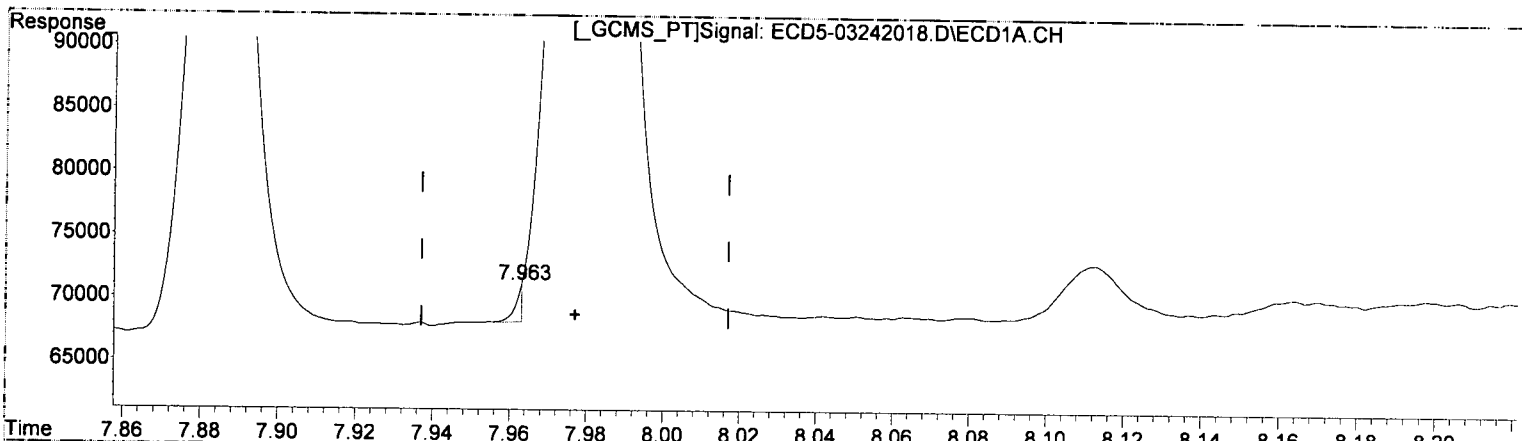
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

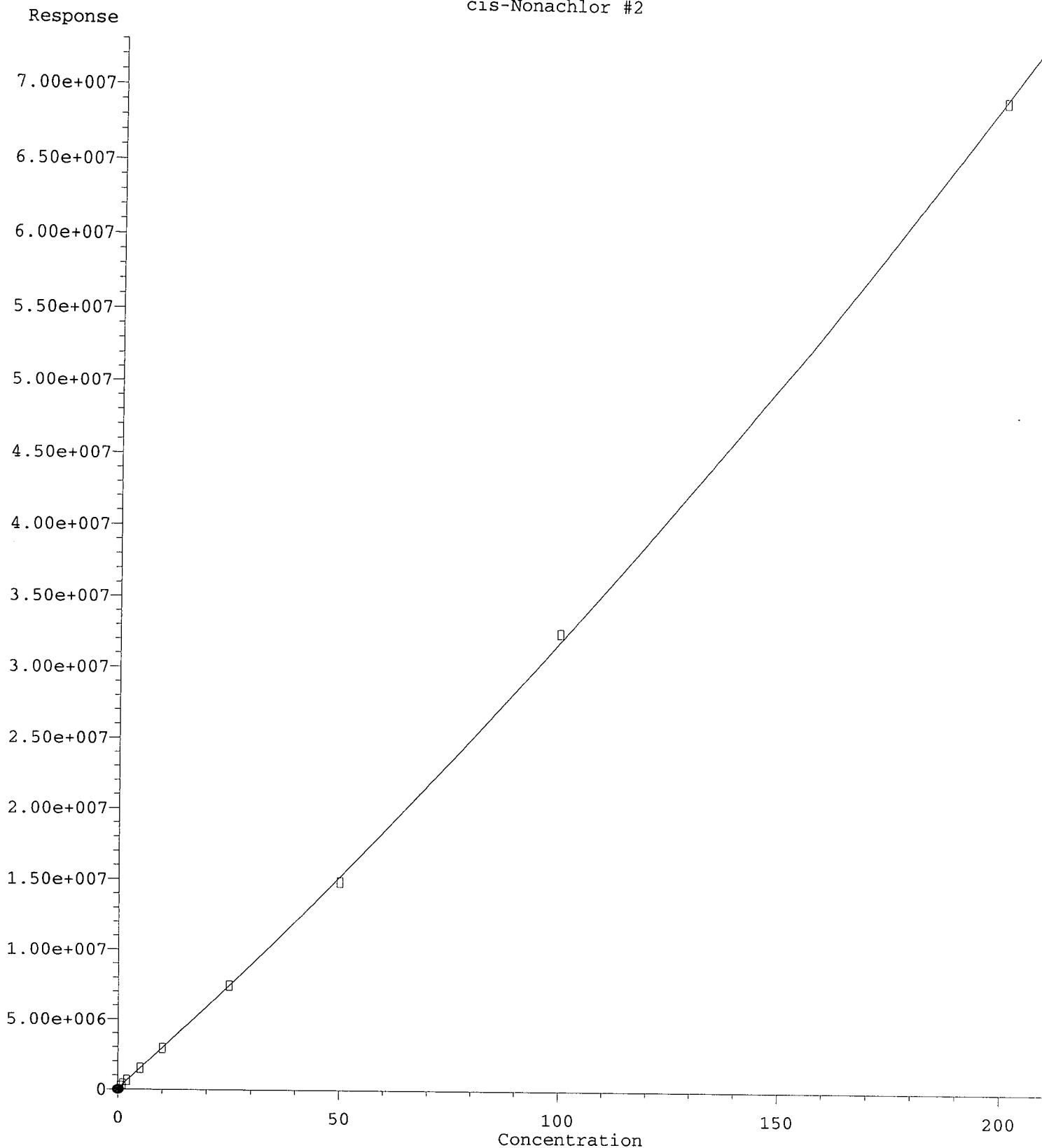


(30) cis-Nonachlor
7.963min -0.216 ng/mL(m)
response 2941

MJB
4/25/20

(30) cis-Nonachlor #2
8.764min 0.483 ng/mL
response 200734

cis-Nonachlor #2



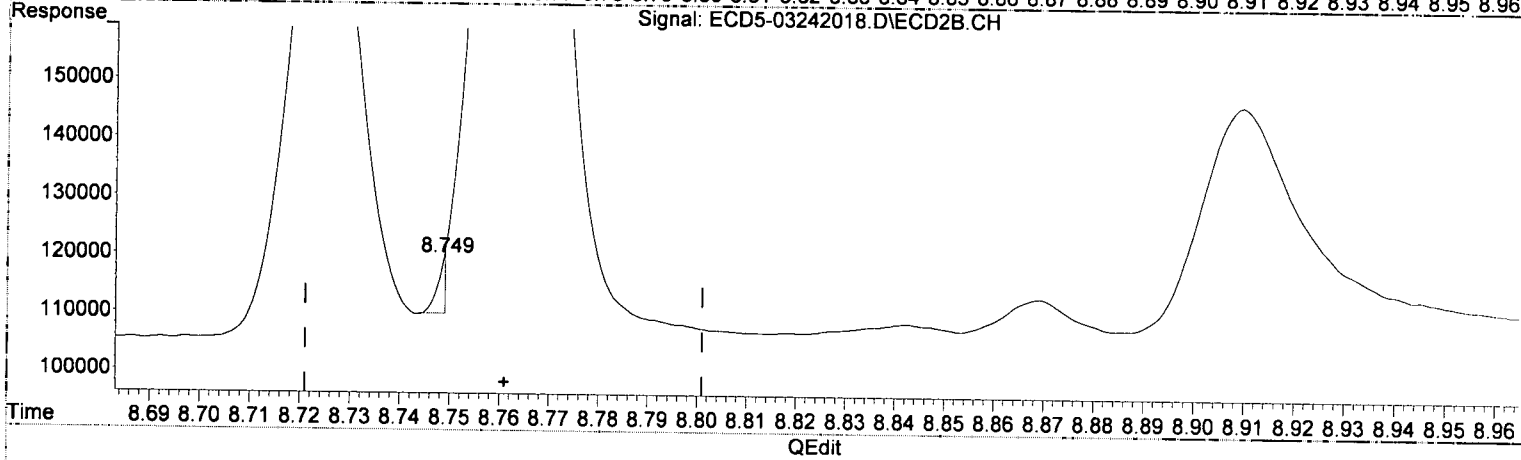
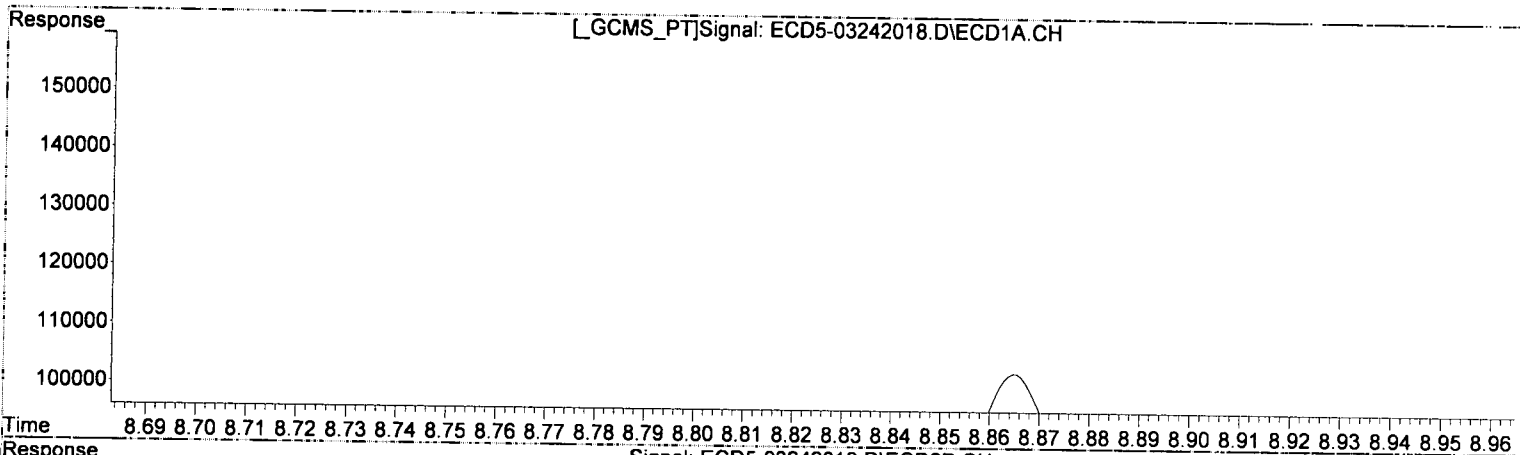
R = 3.03e+002 A*A + 2.88e+005 A + 6.18e+004
Coef of Det (r^2) 0.999
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 16:55:26 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:24
 Operator : MJB
 Sample : 0C24036-CALA
 Misc : A20C399, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

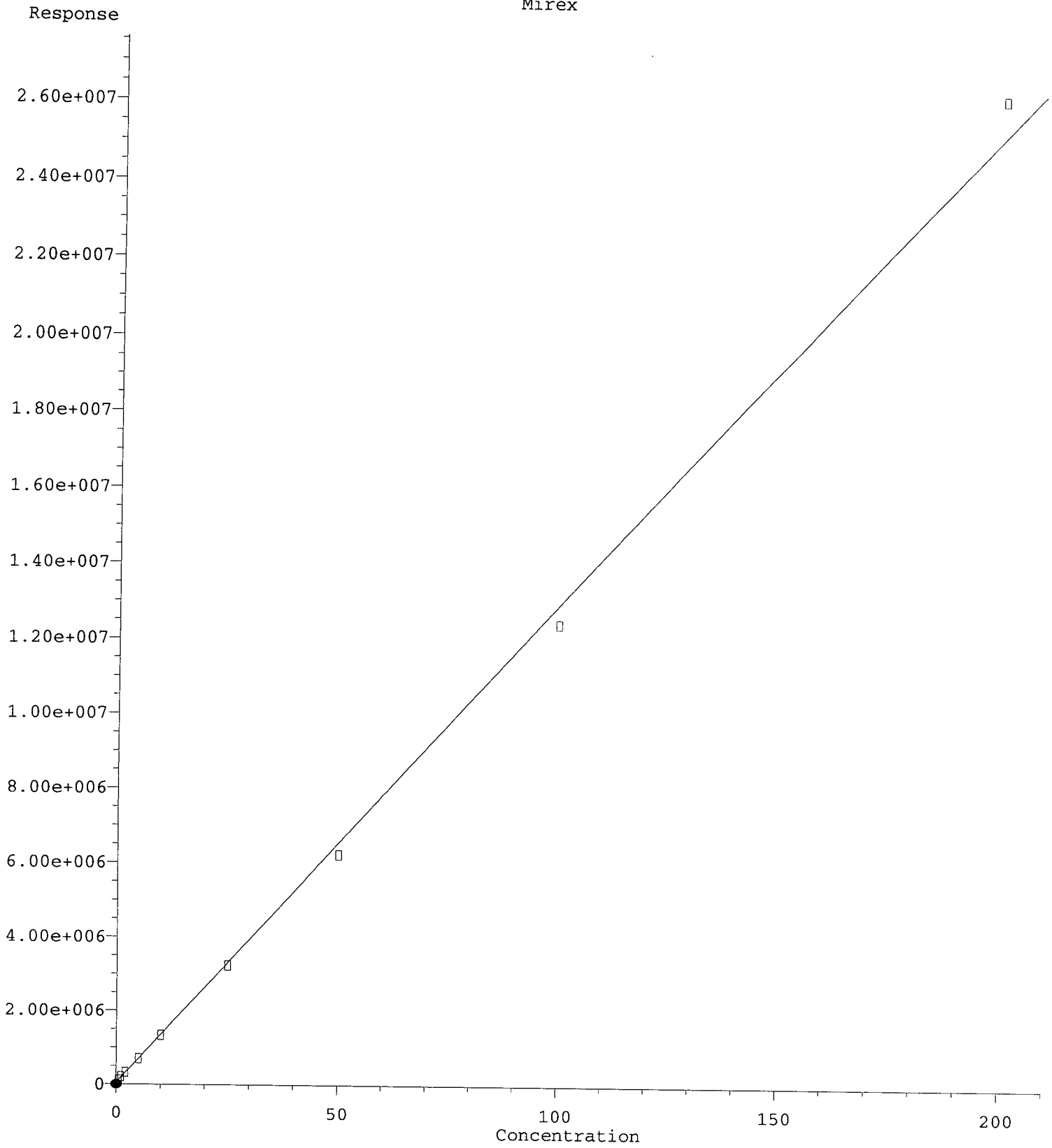


(30) cis-Nonachlor
 7.963min -0.216 ng/mL m
 response 2941

MB
7/25/20

(30) cis-Nonachlor #2
 8.749min -0.181 ng/mL m
 response 9612

Mirex



$R = -2.27e+001 A^2 + 1.31e+005 A + 5.25e+004$

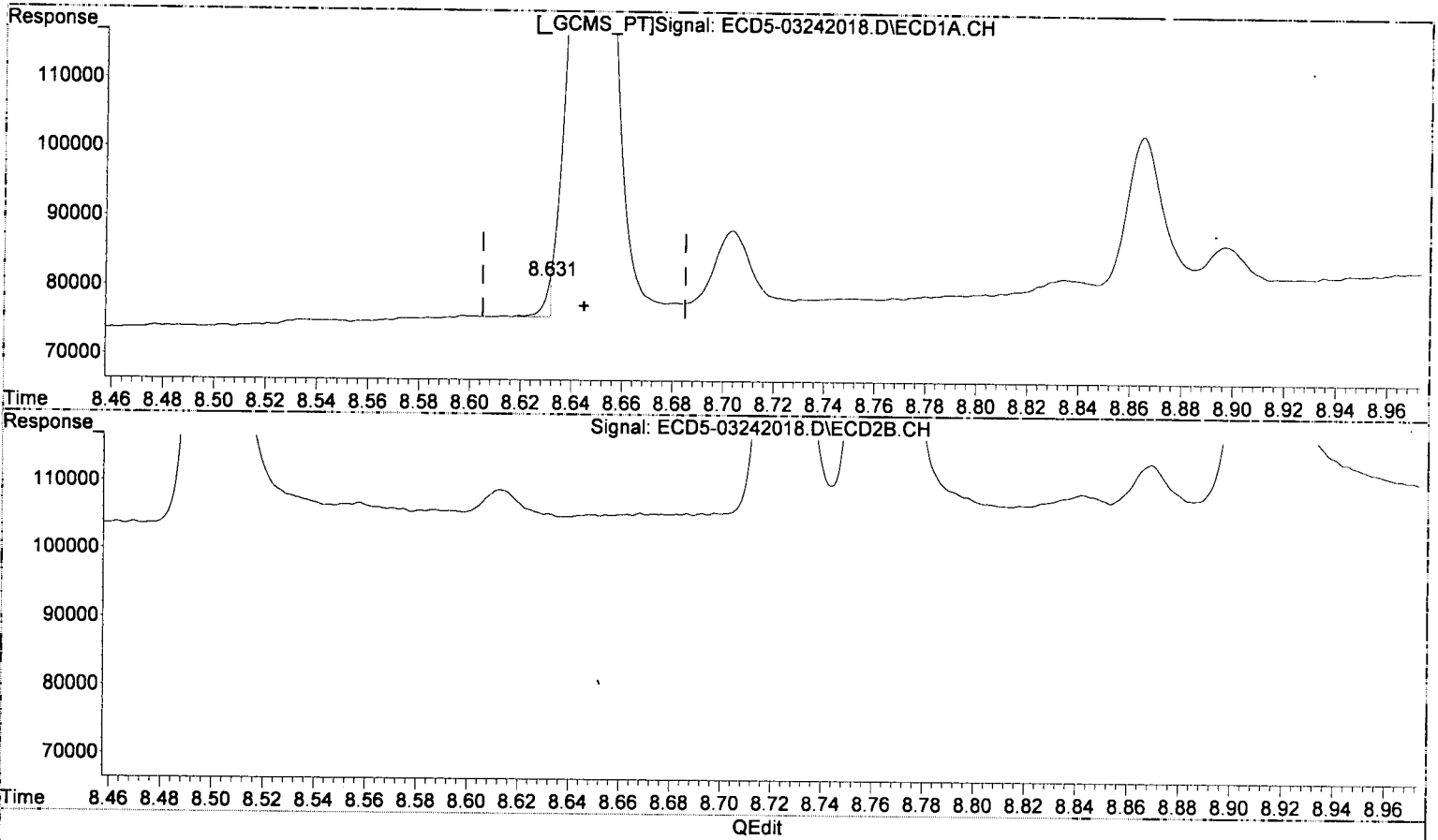
Coef of Det (r^2) = 0.9984
05/18/2019 11:46:00 AM
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:24
 Operator : MJB
 Sample : 0C24036-CALA
 Misc : A20C399, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

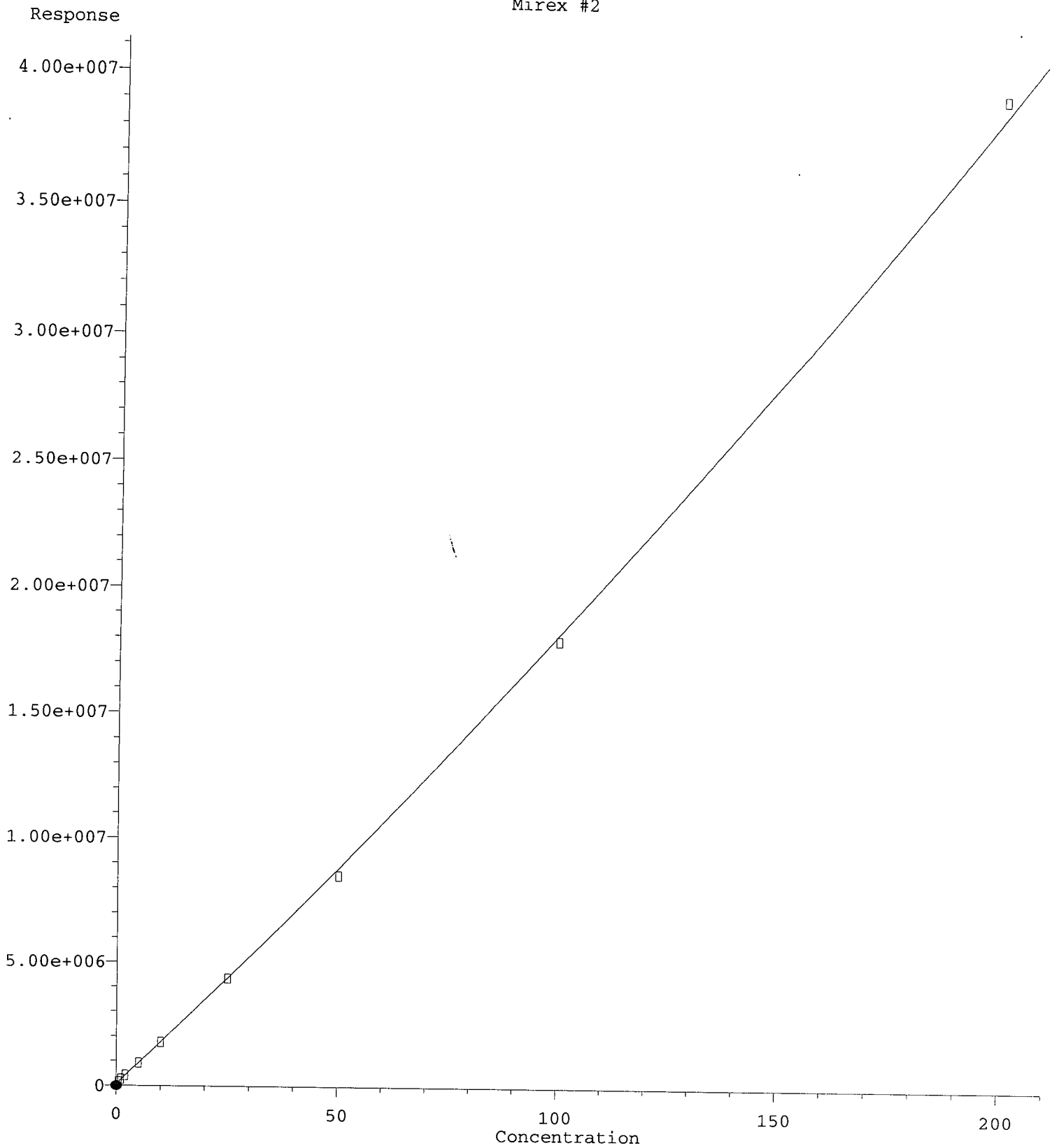


(31) Mirex
 8.631min 5765.317 ng/mL (m) QED
 response 5259

MJB
 3/25/20

(31) Mirex #2
 9.688min 0.475 ng/mL
 response 155731

Mirex #2



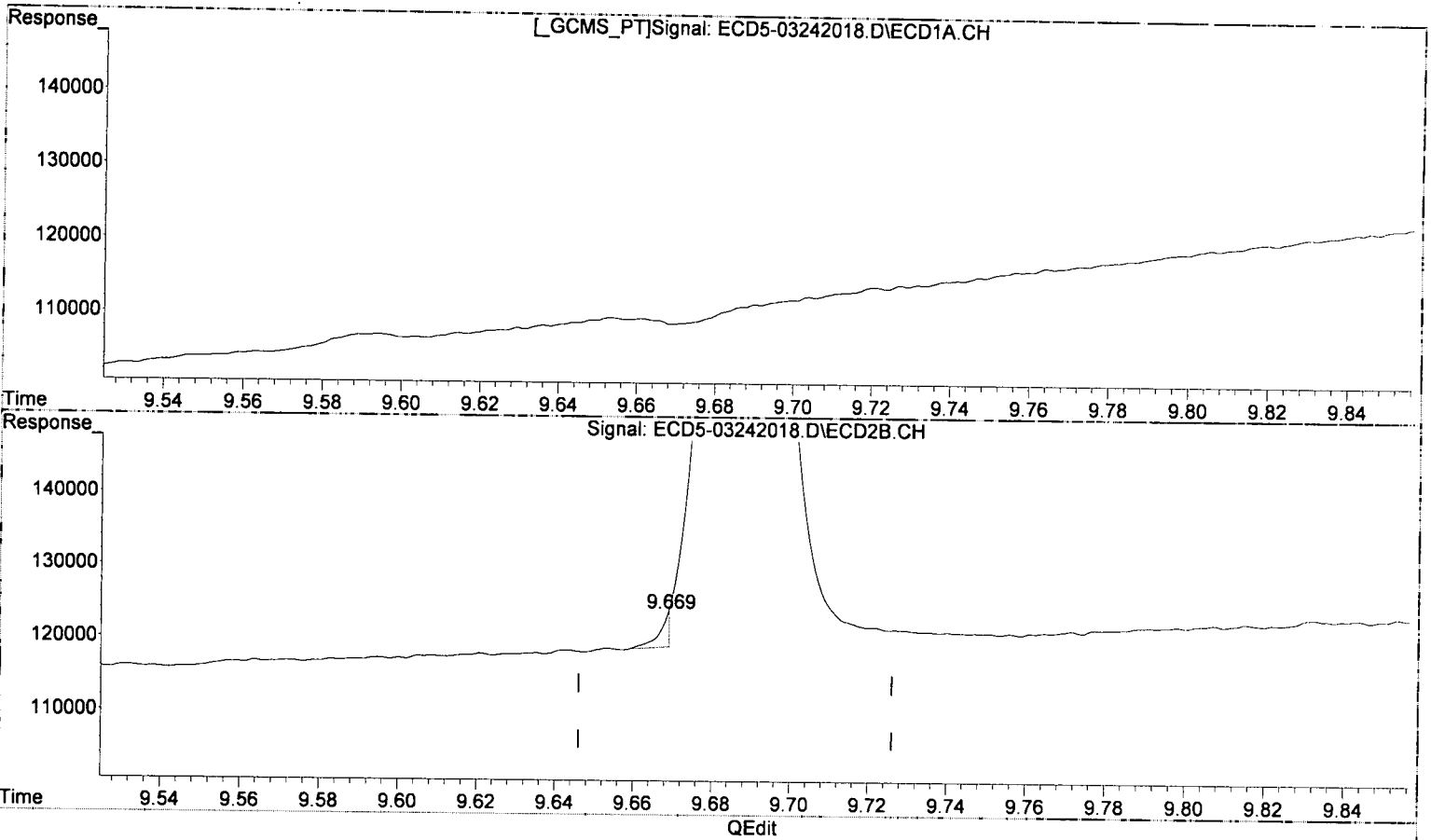
R = 1.21e+002 A*A + 1.69e+005 A + 7.55e+004
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020
05/18/20 Anchor QEA, LLC - Gasco, PERD DG 2019 4a-b-DG-CAP Testing Cores Page 947 of 1393

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:24
 Operator : MJB
 Sample : 0C24036-CALA
 Misc : A20C399, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

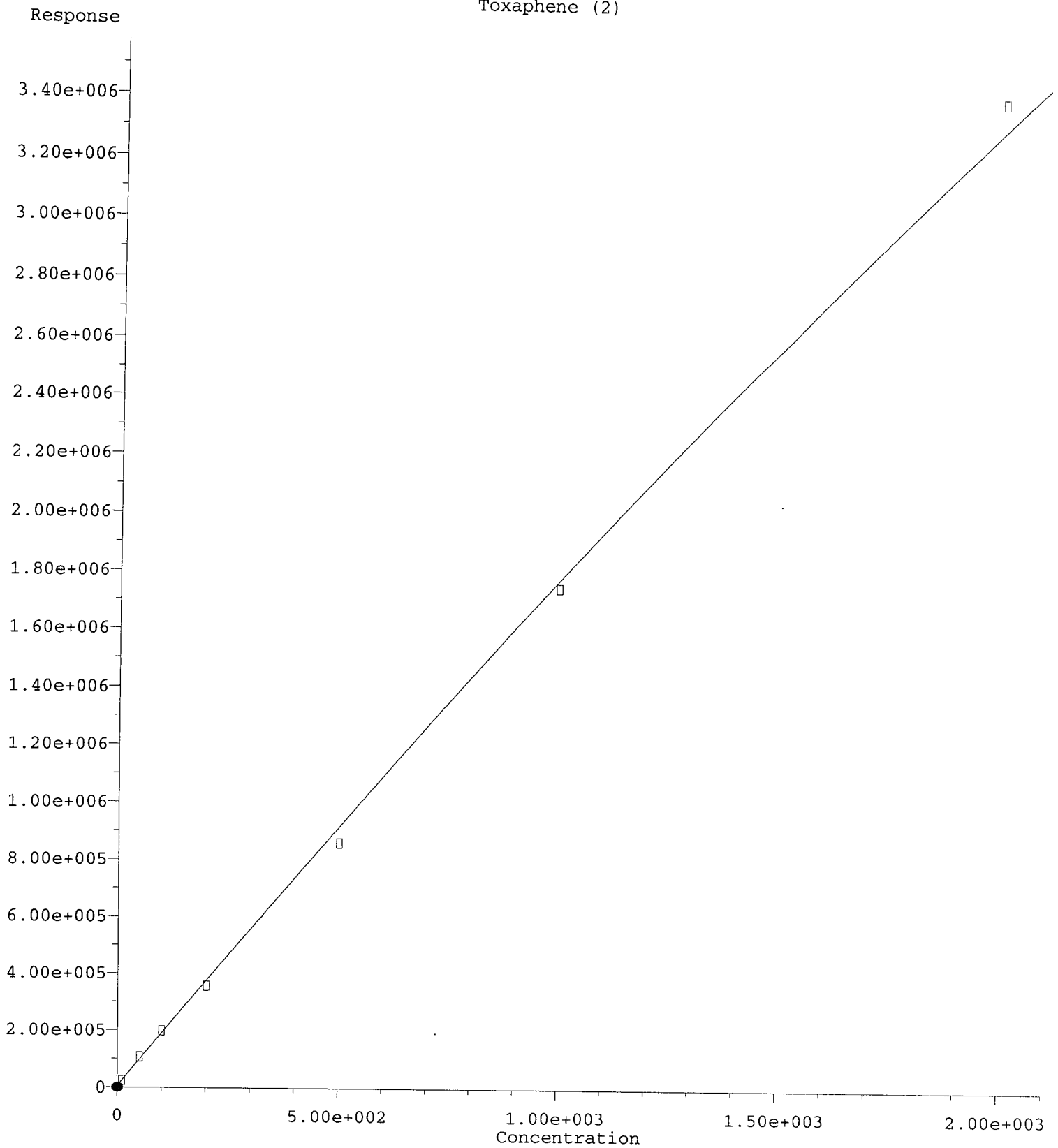


(31) Mirex
 8.631min 5765.317 ng/mL m
 response 5259

MJB
3/25/20

(31) Mirex #2
 9.669min -0.420 ng/mL (m)
 response 4657

Toxaphene (2)



$R = -1.12e-001 A^*A + 1.88e+003 A + 4.58e+003$

Coef of Det (r^2) 0.997
05/18/2019 09:47:04 AM C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

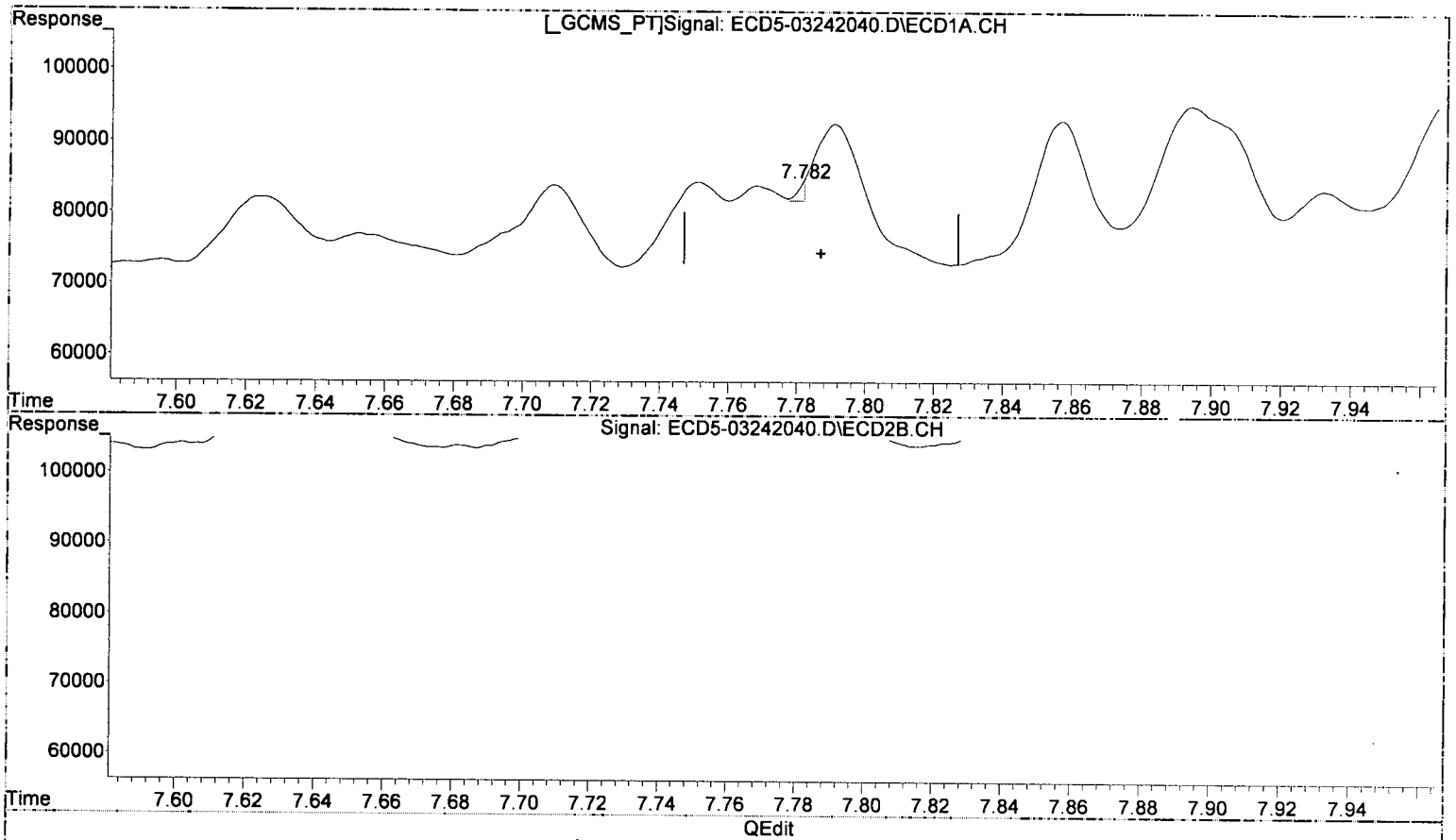
Calibration Table Last Updated: 05/18/2019 09:47:04 AM

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(37) Toxaphene (2)

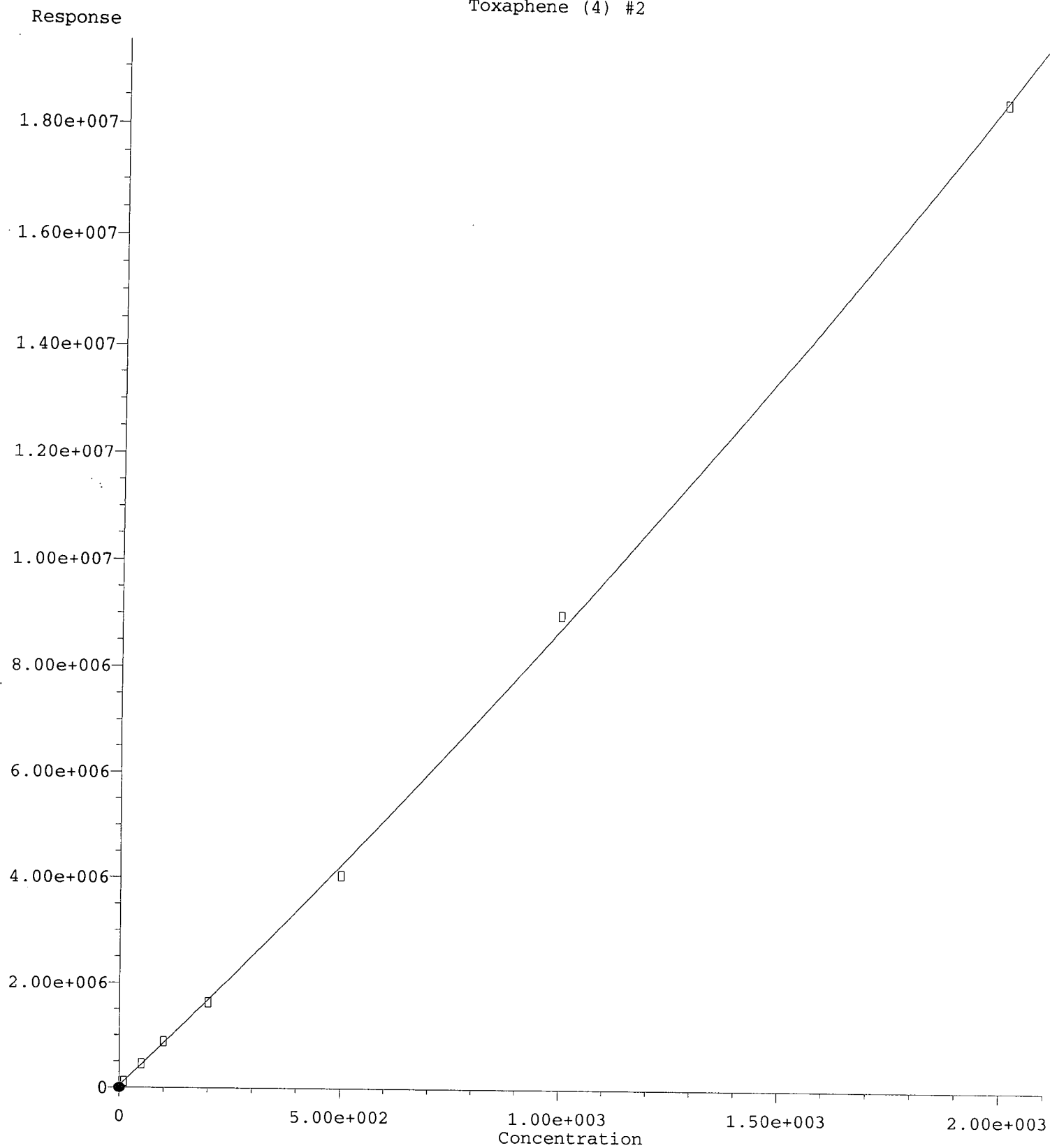
7.782min 16730.285 ng/mL(m) Q-741
response 2574

MJB
3/25/20

(37) Toxaphene (2) #2

8.817min 10.909 ng/mL
response 38990

Toxaphene (4) #2



$R = 5.68e-001 A * A + 8.14e+003 A + 3.54e+004$

Coef of Det (r^2) 0.578207 Anchor CEARMC Gasco PerD.DG 2019w 41-b DCC-CAP Testing Cores Page 951 of 1393

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

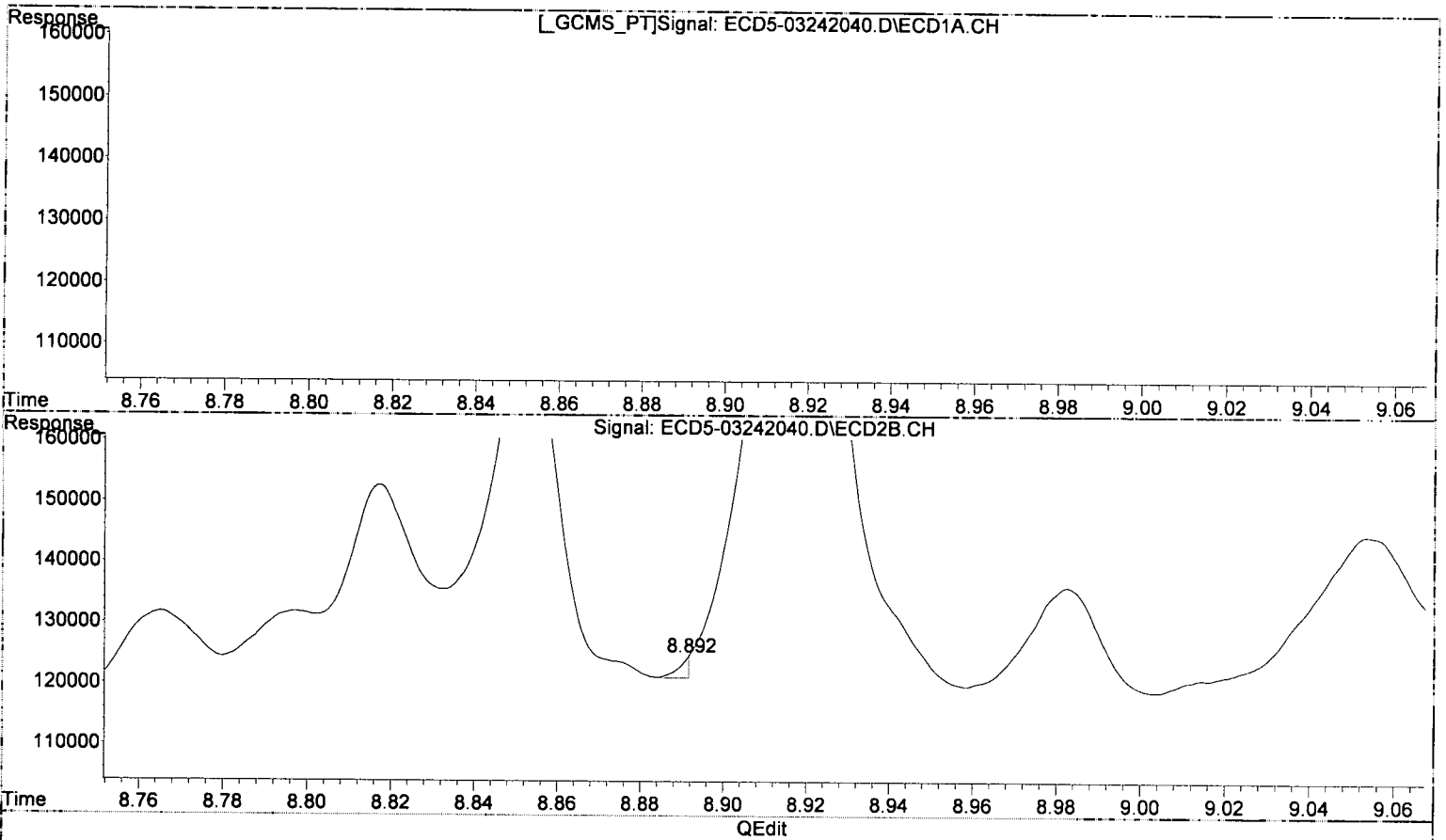
Calibration Table Last Updated: Wed May 25 10:55:26 2011

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(39) Toxaphene (4)
8.343min 12.110 ng/mL
response 47569

MJB
7/25/20

(39) Toxaphene (4) #2
8.892min -3.919 ng/mL(m)
response 3504

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 13:58
 Operator : MJB
 Sample : 0C24036-ICB1
 Misc : A20B383
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

WB
3/25/20

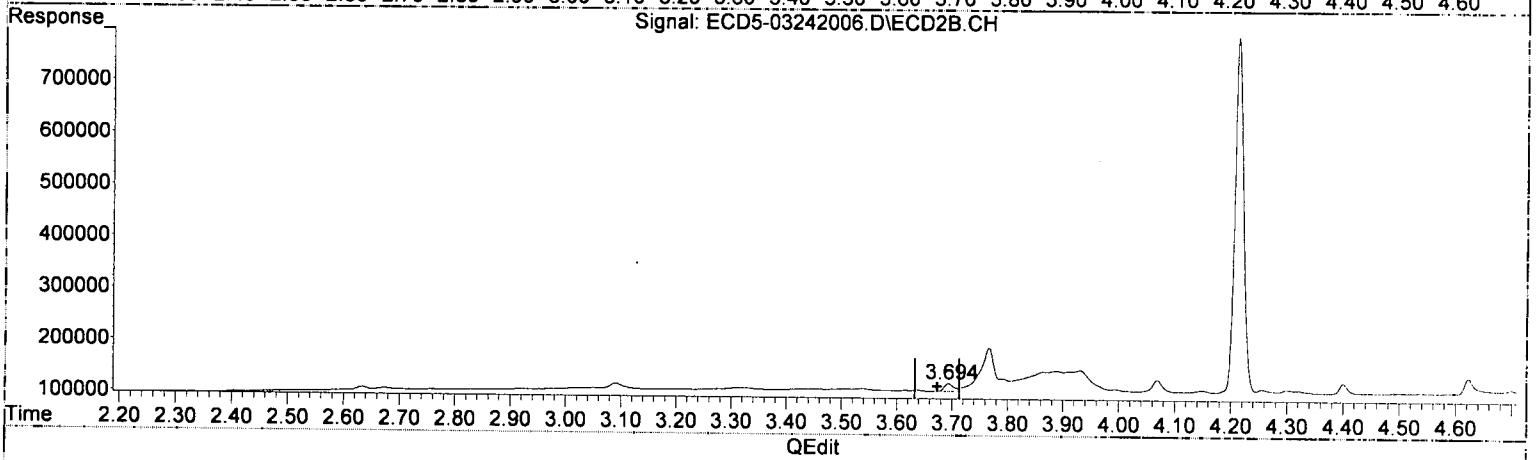
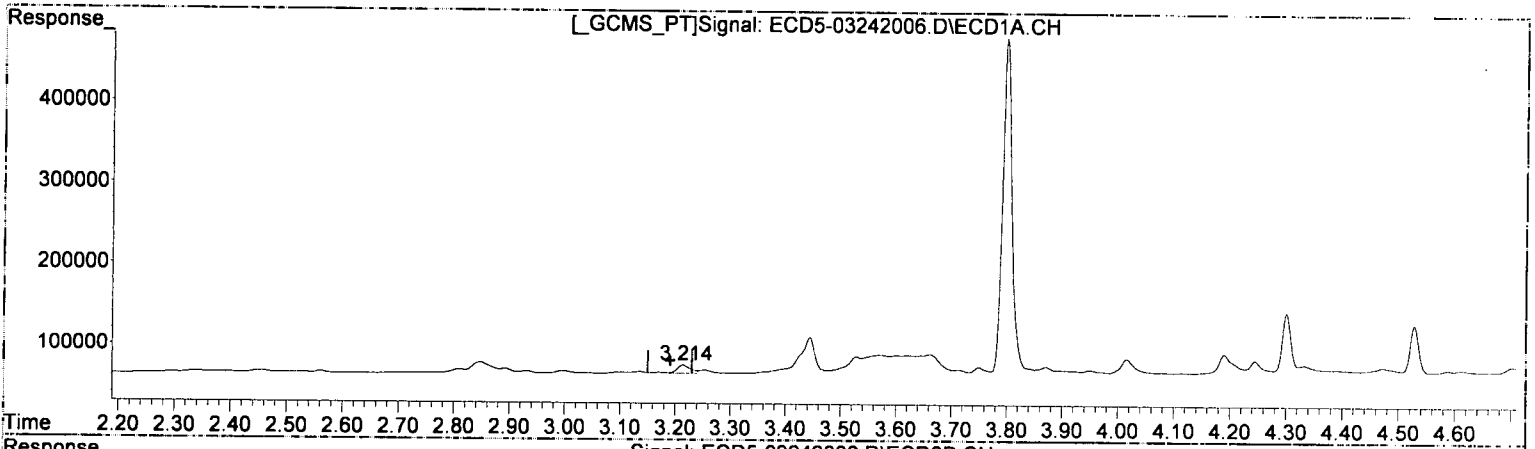
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.393 | 5.989 | 18394794 | 28643240 | 95.214 | 100.204 |
| 22) S DCBP (S) | 9.591 | 10.556 | 15341416 | 16344635 | 102.987 | 96.242 |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 6.278 | 0.000 | 9001 | 0 | 0.094 | N.D. # |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.568 | 0 | 13132 | N.D. | 0.040 # |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 9) trans-Chl... | 7.407 | 8.144 | 8482 | 11575 | 0.041 | 0.038 |
| 10) cis-Chlor... | 7.509 | 0.000 | 8181 | 0 | 0.040 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.765f | 0.000 | 1068 | 0 | 0.005 | N.D. # |
| 14) Endrin | 7.942 | 0.000 | 1702 | 0 | 0.010 | N.D. # |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.094 | 8.849 | 14599 | 13225 | 0.087 | 0.055 # |
| 17) 4,4'-DDT | 8.196 | 8.957f | 3331 | 4449 | 0.010 | 0.082 # |
| 18) Endrin Al... | 8.376f | 9.078f | 17067 | 17352 | 0.117 | 0.083 # |
| 19) Endosulfa... | 8.734f | 0.000 | 3354 | 0 | 0.020 | N.D. # |
| 20) Methoxychlor | 8.538 | 0.000 | 7820 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.900 | 9.722f | 2688 | 850 | 0.014 ^Q | 0.003 # |
| 23) Hexachlor... | 3.215f | 3.694f | 9983 | 14471 | 11064.655 | BelowCal # |
| 24) Hexachlor... | 5.775 | 6.475f | 23572 | 6255 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.247 | 7.883f | 11746 | 18231 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 0.000 | 8.144f | 0 | 11575 | N.D. | BelowCal |
| 27) trans-Non... | 7.509 | 0.000 | 8181 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 7.862 | 0.000 | 2271 | 0 | BelowCal | N.D. |
| 30) cis-Nonac... | 7.942f | 0.000 | 1702 | 0 | BelowCal | N.D. |
| 31) Mirex | 8.649 | 9.722f | 6913 | 850 | 5765.304 | BelowCal # |
| 32) Chlordane... | 7.407 | 8.144 | 8482 | 11575 | 0.363 | 0.294 |
| 33) Chlordane... | 7.509 | 0.000 | 8181 | 0 | 0.308 | N.D. # |
| 34) Chlordane... | 8.094f | 8.907 | 14599 | 46298 | 2.008 | 4.524 # |
| 35) Chlordane... | 0.000 | 3.694 | 0 | 14471 | N.D. | NoCal |
| 36) Toxaphene... | 7.509 | 0.000 | 8181 | 0 | 7.872 | N.D. # |
| 37) Toxaphene... | 7.765f | 8.849f | 1068 | 13225 | 16731.085 | 3.700 # |
| 38) Toxaphene... | 8.094 | 8.849 | 14599 | 13225 | 3.581 | 2.369 # |
| 39) Toxaphene... | 8.305f | 8.907 | 35845 | 46298 | 9.125 | 1.341 # |
| 40) Toxaphene... | 8.538f | 9.078 | 7820 | 17352 | 2.549 | 3.511 # |
| 41) Toxaphene... | 8.649 | 0.000 | 6913 | 0 | 1.726 | N.D. # |
| 42) Toxaphene... | 3.661f | 3.694 | 23805 | 14471 | NoCal | NoCal |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



~~(23) Hexachlorobutadiene
3.215min 11064.655 ng/mL QPA
response 9983~~

MJB
3/25/20

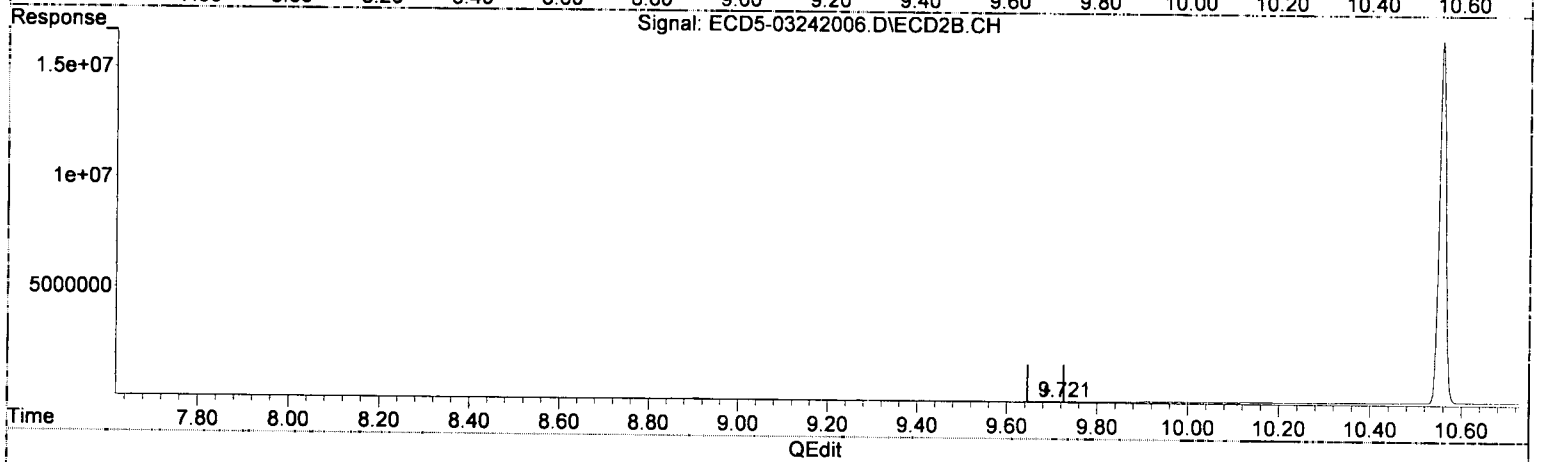
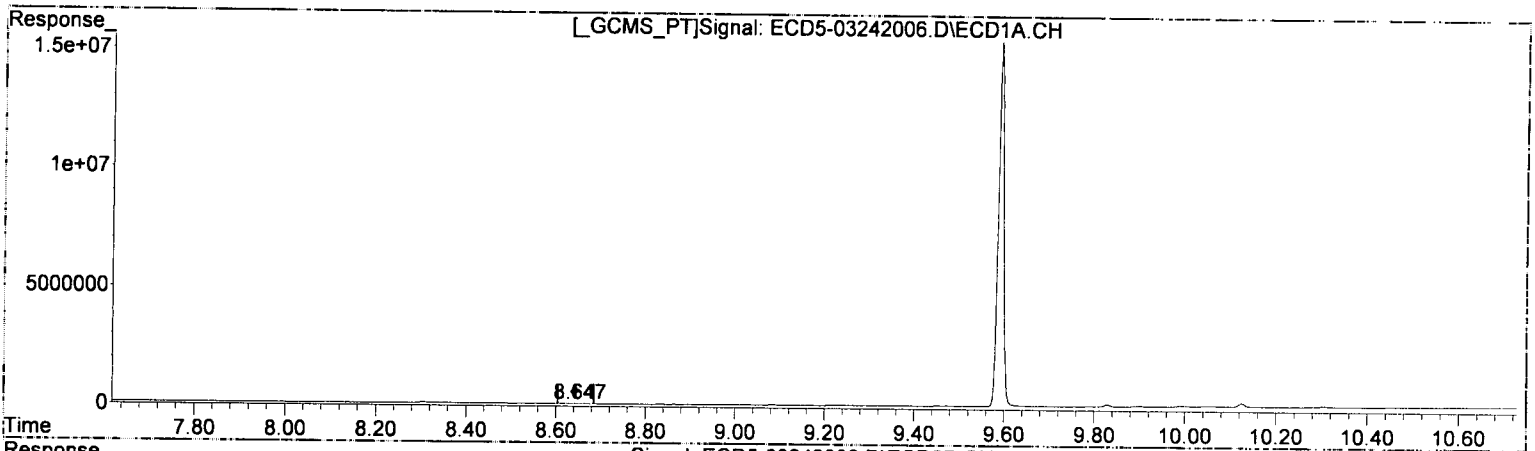
(23) Hexachlorobutadiene #2
3.694min -0.182 ng/mL
response 14471

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(31) Mirex
8.649min 5765.304 ng/mL
response 6913

Q-DU

MJB
3/25/20

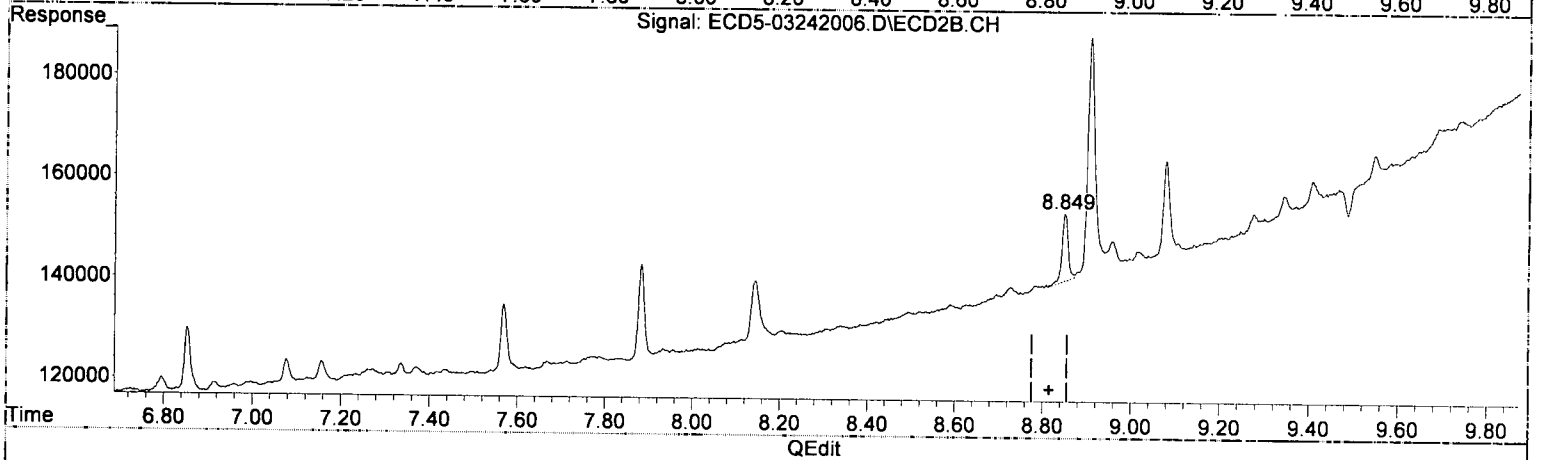
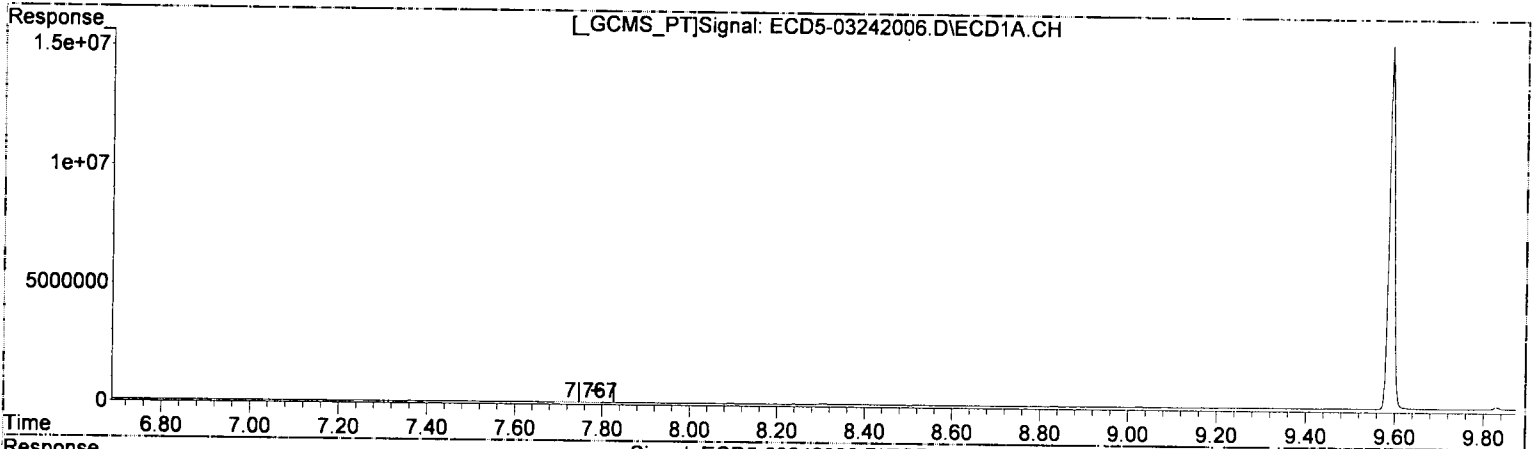
(31) Mirex #2
9.722min -0.443 ng/mL
response 850

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



~~(37) Toxaphene (2)
7.765min 16731.085 ng/mL Q-D61
response 1088~~

MJB
3/25/20

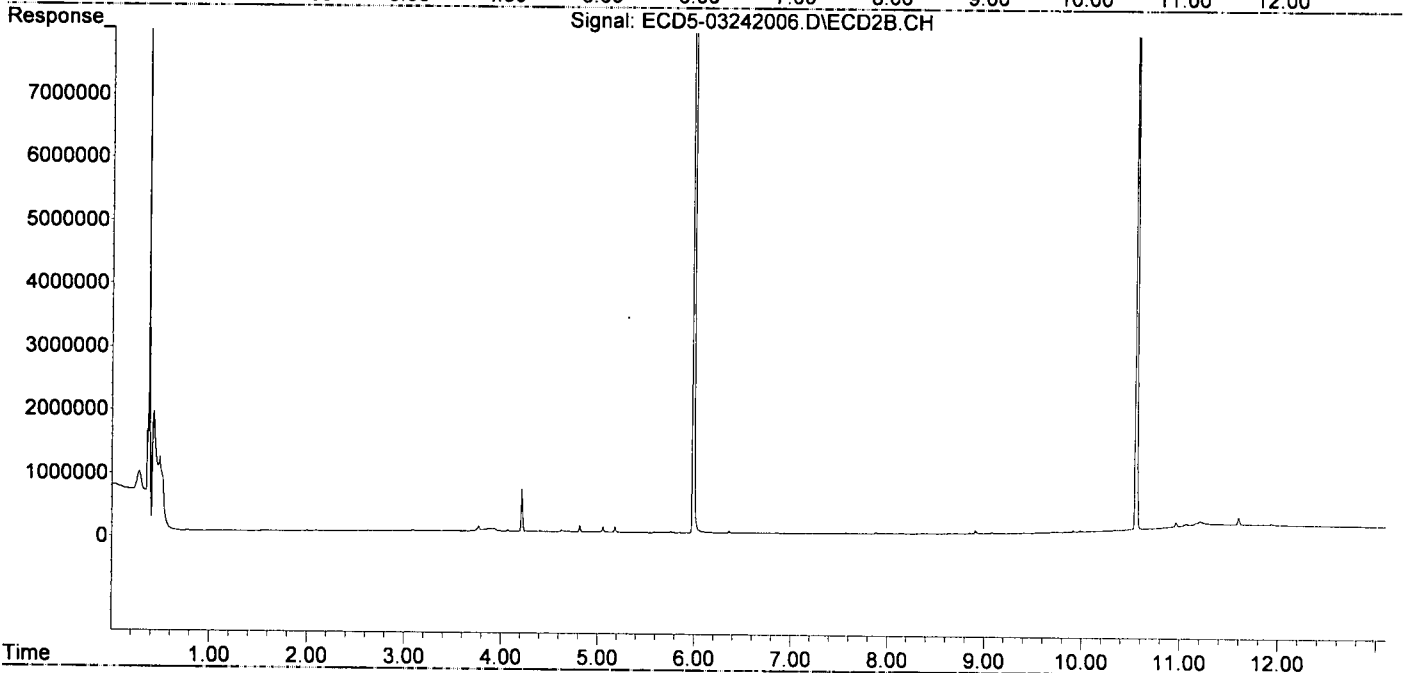
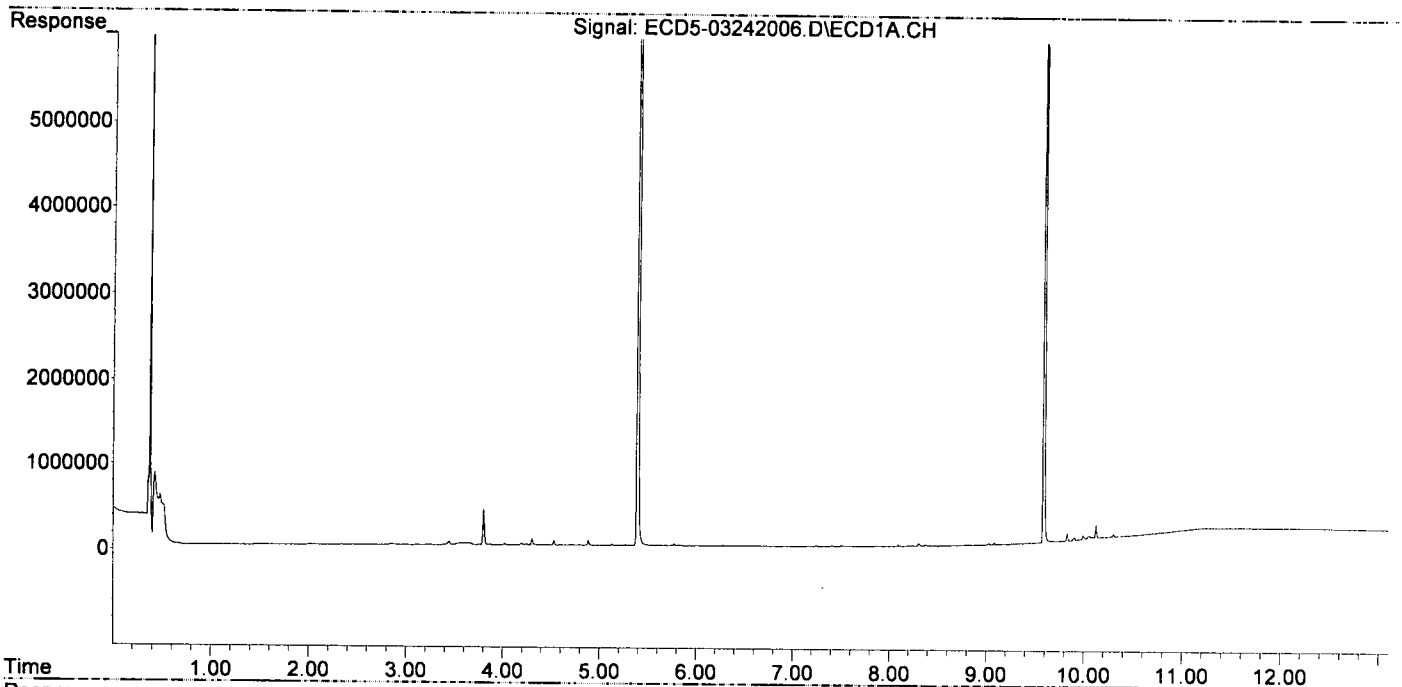
(37) Toxaphene (2) #2
8.849min 3.700 ng/mL
response 13225

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 16:50
 Operator : MJB
 Sample : 0C24036-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:36 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

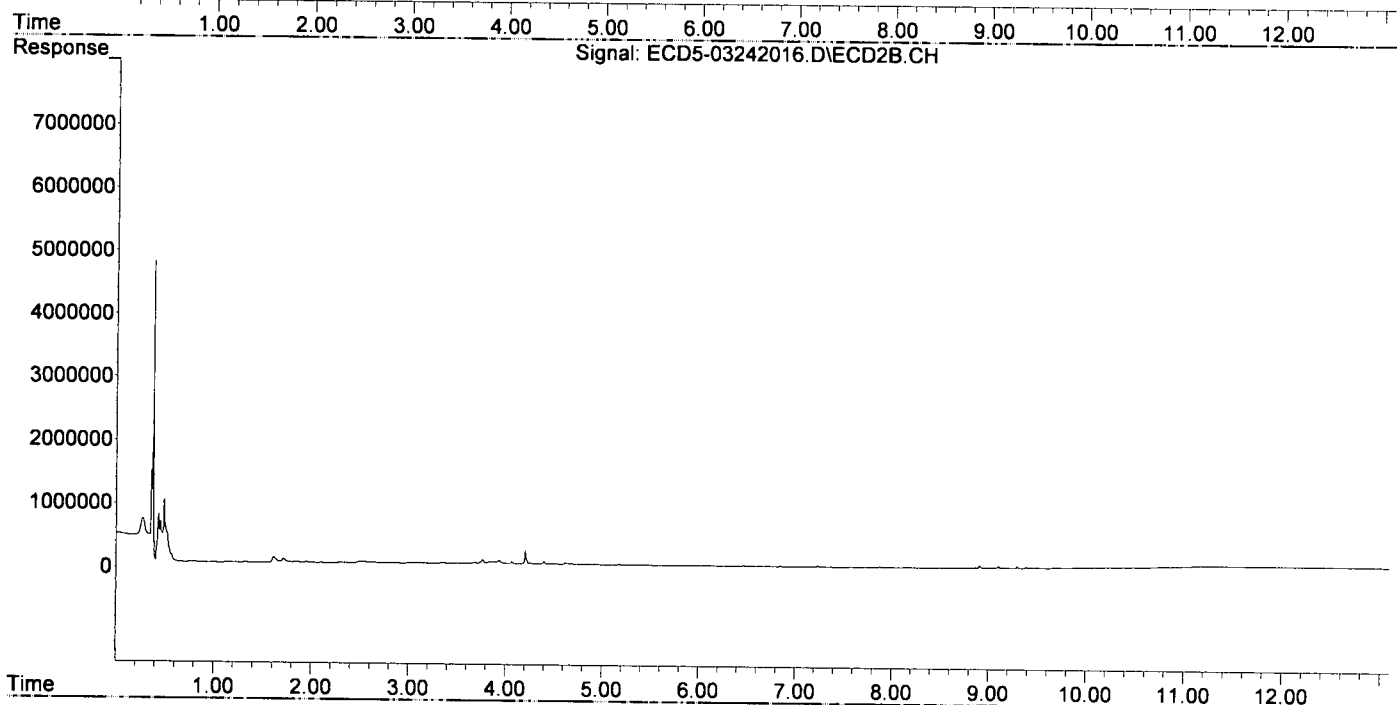
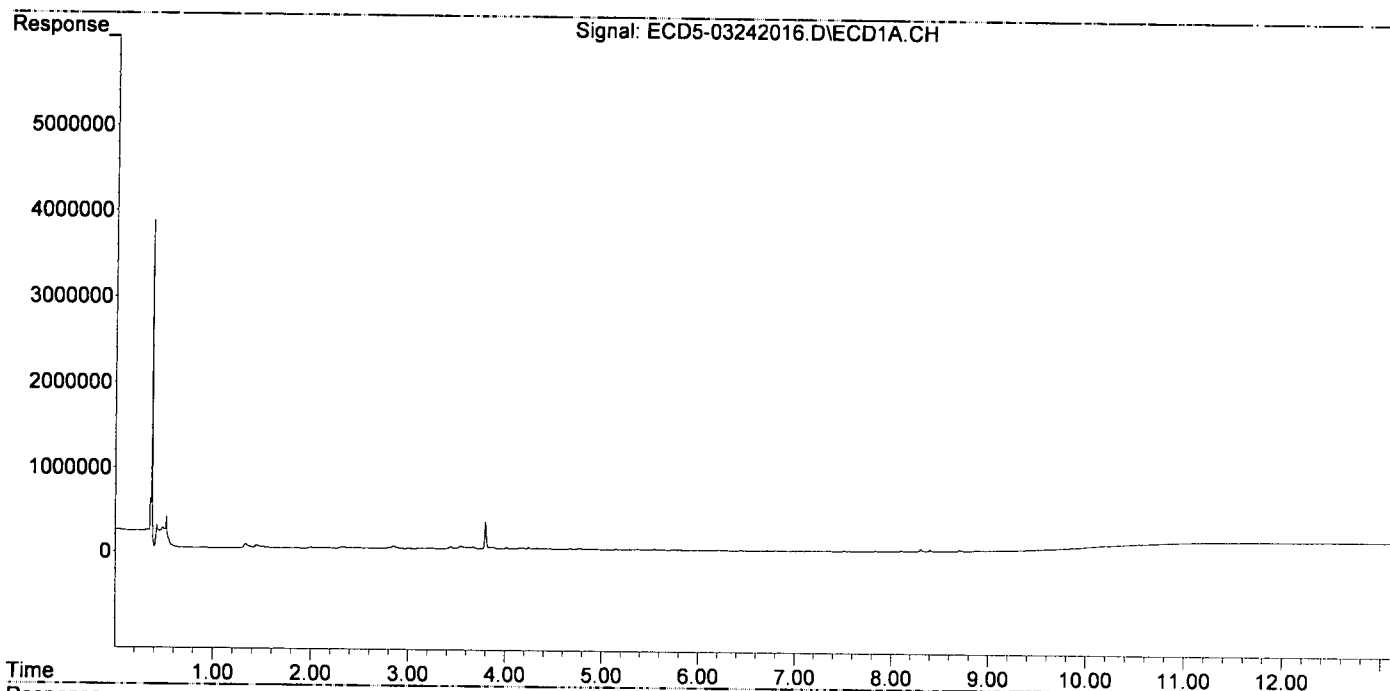
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.368f | 5.952f | 11104 | 7124 | 0.057 | 0.025 # |
| 22) S DCBP (S) | 9.589 | 0.000 | 5245 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.922 | 0.000 | 6418 | 0 | 0.024 | N.D. # |
| 3) g-BHC | 6.211 | 0.000 | 10173 | 0 | 0.044 | N.D. # |
| 4) b-BHC | 6.273 | 0.000 | 6619 | 0 | 0.069 | N.D. # |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.443 | 7.232 | 8373 | 15830 | 0.043 | 0.048 |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.345 | 0.000 | 8435 | 0 | 0.041 | N.D. # |
| 9) trans-Chl... | 0.000 | 8.144 | 0 | 8146 | N.D. | 0.027 # |
| 10) cis-Chlor... | 7.514 | 0.000 | 5600 | 0 | 0.027 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 8.492 | 0 | 4969 | N.D. | 0.017 # |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 8.001 | 0.000 | 1681 | 0 | 0.010 | N.D. # |
| 16) Endosulfa... | 8.108 | 8.866 | 7907 | 11224 | 0.047 | 0.047 |
| 17) 4,4'-DDT | 8.156f | 9.004 | 1529 | 6580 | BelowCal | 0.095 |
| 18) Endrin Al... | 8.400 | 9.104 | 25319 | 34361 | 0.173 | 0.165 |
| 19) Endosulfa... | 8.702 | 9.294 | 22975 | 28937 | 0.140 | 0.127 |
| 20) Methoxychlor | 8.532 | 0.000 | 1152 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.895 | 9.694 | 9640 | 13750 | 0.050 | 0.055 |
| 23) Hexachlor... | 3.209 | 3.665 | 12651 | 10234 | 11064-641 | BelowCal # |
| 24) Hexachlor... | 5.763 | 6.471 | 12449 | 9073 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.243 | 7.880f | 10006 | 15538 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.345 | 8.144f | 8435 | 8146 | BelowCal | BelowCal |
| 27) trans-Non... | 7.514 | 0.000 | 5600 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 8.492 | 0 | 4969 | N.D. | BelowCal |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 8.001f | 0.000 | 1681 | 0 | BelowCal | N.D. |
| 31) Mirex | 8.636 | 9.694 | 1030 | 13750 | 5765-349 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.144 | 0 | 8146 | N.D. | 0.207 # |
| 33) Chlordane... | 7.514 | 0.000 | 5600 | 0 | 0.211 | N.D. # |
| 34) Chlordane... | 0.000 | 8.906 | 0 | 43159 | N.D. | 4.218 # |
| 35) Chlordane... | 3.672f | 3.690 | 24905 | 20865 | NoCal | NoCal |
| 36) Toxaphene... | 7.514 | 8.492f | 5600 | 4969 | 5.389 | 1.767 # |
| 37) Toxaphene... | 0.000 | 8.846f | 0 | 8264 | N.D. | 2.312 # |
| 38) Toxaphene... | 8.108 | 8.846 | 7907 | 8264 | 1.940 | 1.480 |
| 39) Toxaphene... | 8.305f | 8.906 | 28924 | 43159 | 7.363 | 0.955 # |
| 40) Toxaphene... | 8.592f | 9.104 | 2032 | 34361 | 0.663 | 6.953 # |
| 41) Toxaphene... | 8.636 | 0.000 | 1030 | 0 | 0.257 | N.D. # |
| 42) Toxaphene... | 3.672f | 3.690 | 24905 | 20865 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:50
Operator : MJB
Sample : 0C24036-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:07
 Operator : MJB
 Sample : 0C24036-ICV1
 Misc : A20C164, AB 50 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/24/20

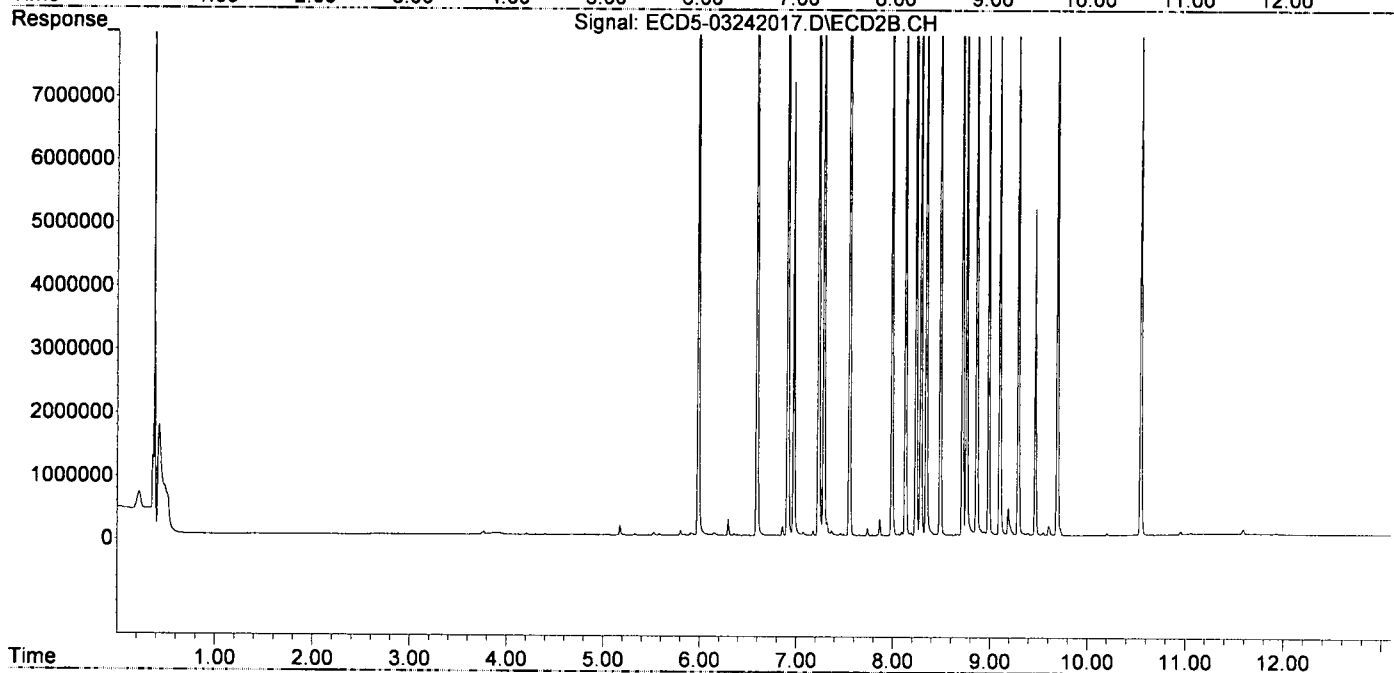
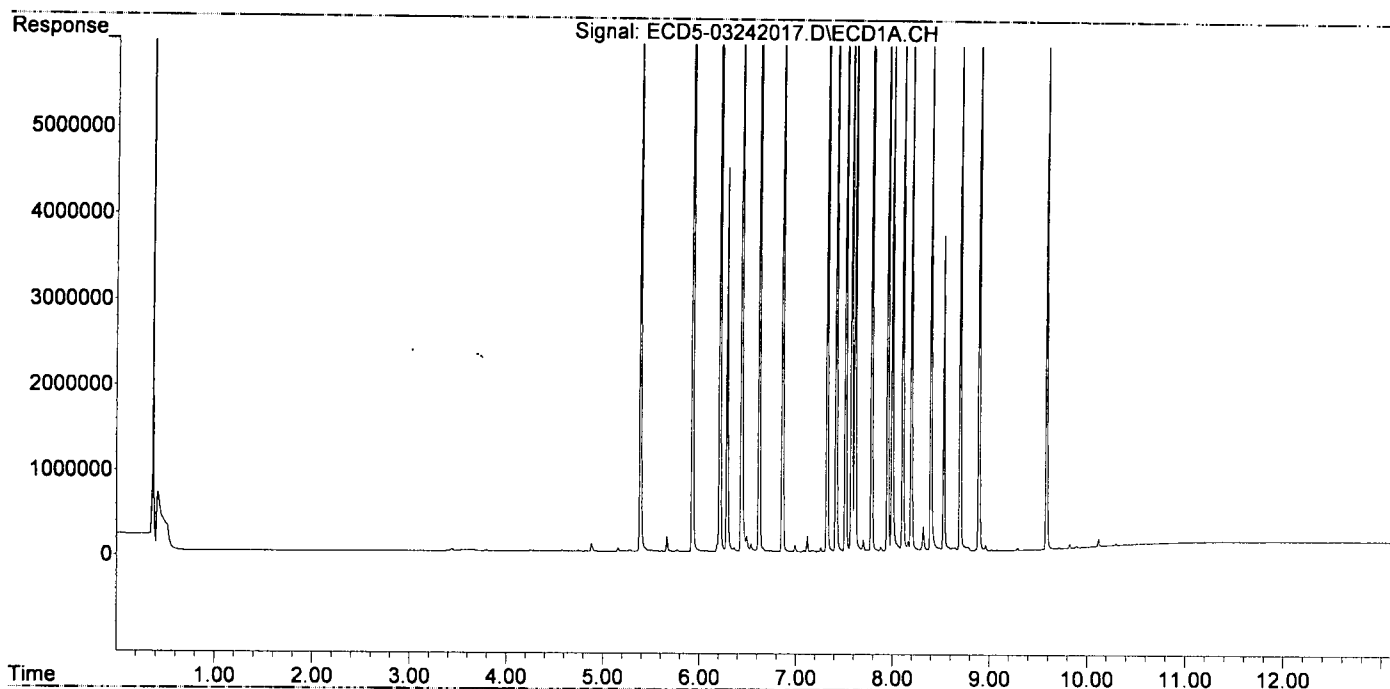
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 9367464 | 14162650 | 48.487 | 49.546 |
| 22) S DCBP (S) | 9.587 | 10.551 | 7557509 | 8242843 | 50.690 | 48.536 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 12755410 | 21106016 | 48.465 | 52.087 |
| 3) g-BHC | 6.212 | 6.912 | 11558353 | 18810869 | 50.529 | 53.173 |
| 4) b-BHC | 6.288 | 6.975 | 4480204 | 7173116 | 46.830 | 47.810 |
| 5) Heptachlor | 6.621 | 7.287 | 10462925 | 16727203 | 46.964 | 49.910 |
| 6) d-BHC | 6.438 | 7.232 | 10021417 | 17243006 | 51.359 | 52.803 |
| 7) Aldrin | 6.863 | 7.553 | 10846463 | 17010897 | 48.853 | 52.200 |
| 8) Heptachlo... | 7.324 | 7.992 | 9648290 | 14801988 | 47.076 | 49.730 |
| 9) trans-Chl... | 7.419 | 8.132 | 10168721 | 15470981 | 48.780 | 51.068 |
| 10) cis-Chlor... | 7.516 | 8.239 | 9585994 | 14412892 | 46.810 | 49.670 |
| 11) Endosulfa... | 7.614 | 8.290 | 9152108 | 14115143 | 47.337 | 51.948 |
| 12) 4,4'-DDE | 7.577 | 8.346 | 9740532 | 15078544 | 49.417 | 52.659 |
| 13) Dieldrin | 7.786 | 8.491 | 10393509 | 15742955 | 48.920 | 52.915 |
| 14) Endrin | 7.951 | 8.719 | 8587119 | 12377217 | 50.238 | 54.053 |
| 15) 4,4'-DDD | 7.999 | 8.761 | 8211836 | 12285732 | 50.247 | 51.060 |
| 16) Endosulfa... | 8.107 | 8.866 | 8473302 | 12707871 | 50.573 | 52.971 |
| 17) 4,4'-DDT | 8.196 | 8.989 | 7415118 | 10736571 | 55.443 | 56.766 |
| 18) Endrin Al... | 8.398 | 9.103 | 7112332 | 10089160 | 48.591 | 48.505 |
| 19) Endosulfa... | 8.700 | 9.293 | 8207473 | 12126919 | 49.913 | 53.260 |
| 20) Methoxychlor | 8.531 | 9.468 | 3696308 | 5135459 | 54.110 | 54.745 |
| 21) Endrin Ke... | 8.894 | 9.694 | 9153251 | 12814194 | 47.931 | 51.397 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.771 | 6.472f | 22849 | 6484 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.260 | 7.897f | 51933 | 10381 | 0.051 | BelowCal # |
| 26) 2,4'-DDE | 7.324 | 8.132 | 9648290 | 15470981 | 77.954 | 78.857 |
| 27) trans-Non... | 7.516 | 8.193 | 9585994 | 48640 | 50.518 | BelowCal # |
| 28) 2,4'-DDD | 7.699 | 8.491 | 136731 | 15742955 | 1.010 | 90.245 # |
| 29) 2,4'-DDT | 7.881 | 8.719 | 54444 | 12377217 | 0.346 | 76.433 # |
| 30) cis-Nonac... | 7.999f | 8.761 | 8211836 | 12285732 | 40.058 | 40.745 |
| 31) Mirex | 8.648 | 9.694 | 42653 | 12814194 | 5765.031 | 71.814 # |
| 32) Chlordane... | 7.419 | 8.132 | 10168721 | 15470981 | 435.638 | 392.623 |
| 33) Chlordane... | 7.516 | 8.239 | 9585994 | 14412892 | 361.022 | 440.105 |
| 34) Chlordane... | 0.000 | 8.866f | 0 | 12707871 | N.D. | 1241.823 # |
| 35) Chlordane... | 3.667f | 0.000 | 12780 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.516f | 8.491f | 9585994 | 15742955 | 9224.477 | 5597.720 # |
| 37) Toxaphene... | 7.786 | 0.000 | 10393509 | 0 | BelowCal | N.D. |
| 38) Toxaphene... | 8.107 | 8.866 | 8473302 | 12707871 | 2078.547 | 2275.960 |
| 39) Toxaphene... | 8.319f | 8.947f | 293570 | 63947 | 74.735 | 3.509 # |
| 40) Toxaphene... | 8.531f | 9.103 | 3696308 | 10089160 | 1204.997 | 2041.648 # |
| 41) Toxaphene... | 8.648 | 9.468 | 42653 | 5135459 | 10.648 | 950.212 # |
| 42) Toxaphene... | 3.667f | 0.000 | 12780 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:07
Operator : MJB
Sample : 0C24036-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020.
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 20:31
 Operator : MJB
 Sample : 0C24036-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MB
3/25/20

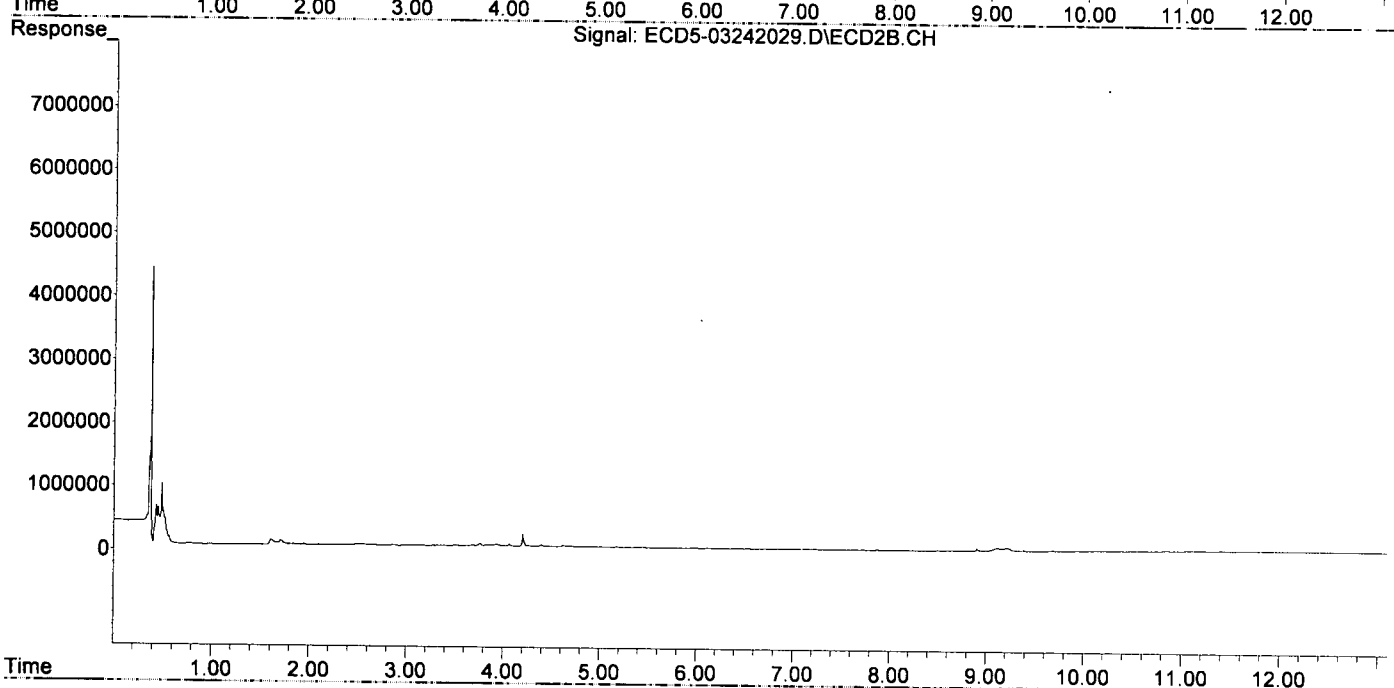
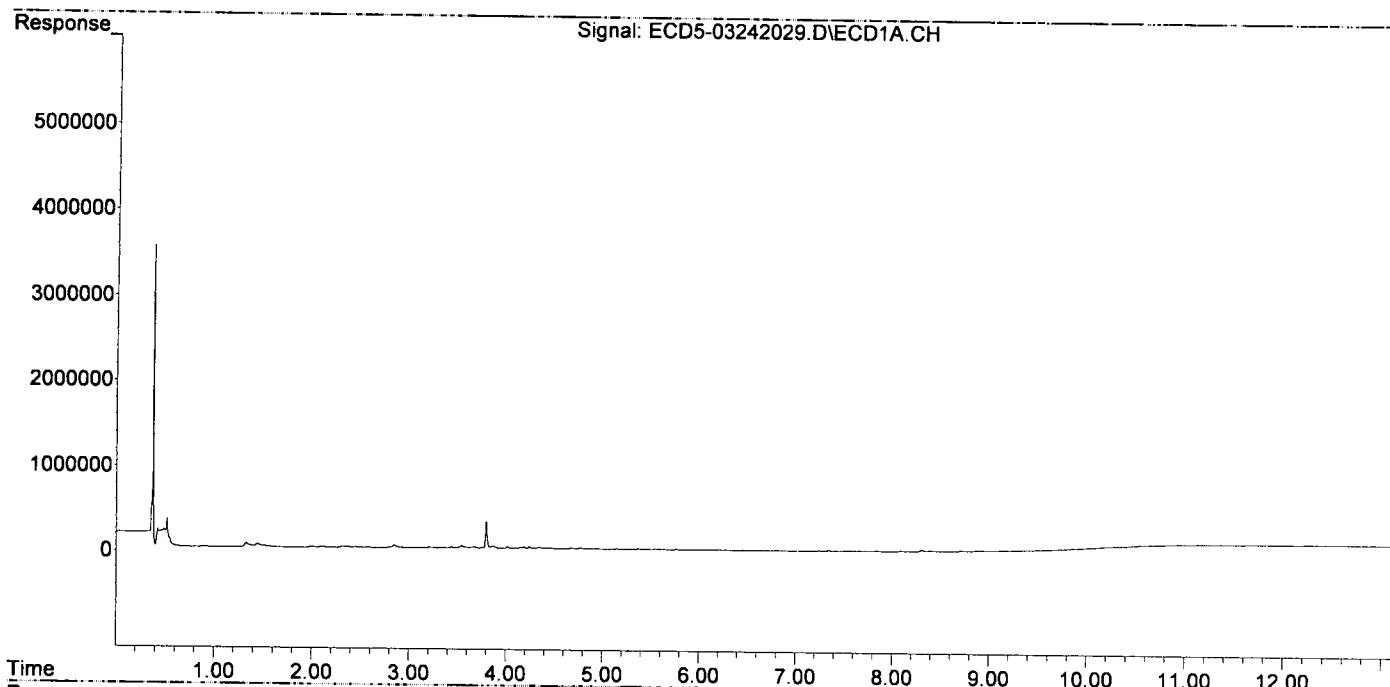
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.368f | 5.950f | 7992 | 7233 | 0.041 | 0.025 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.921 | 0.000 | 4687 | 0 | 0.018 | N.D. # |
| 3) g-BHC | 6.210 | 0.000 | 8635 | 0 | 0.038 | N.D. # |
| 4) b-BHC | 6.273 | 0.000 | 5741 | 0 | 0.060 | N.D. # |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.450 | 0.000 | 3673 | 0 | 0.019 | N.D. # |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.344 | 0.000 | 7874 | 0 | 0.038 | N.D. # |
| 9) trans-Chl... | 0.000 | 8.147 | 0 | 7418 | N.D. | 0.024 # |
| 10) cis-Chlor... | 7.511 | 0.000 | 4487 | 0 | 0.022 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 7.978f | 0.000 | 2753 | 0 | 0.016 | N.D. # |
| 15) 4,4'-DDD | 7.978f | 0.000 | 2753 | 0 | 0.017 | N.D. # |
| 16) Endosulfa... | 8.092 | 8.845f | 5591 | 5752 | 0.033 | 0.024 # |
| 17) 4,4'-DDT | 0.000 | 9.005 | 0 | 7047 | N.D. | 0.098 # |
| 18) Endrin Al... | 8.400 | 9.104 | 6381 | 40573 | 0.044 | 0.195 # |
| 19) Endosulfa... | 8.708 | 9.292 | 8492 | 11401 | 0.052 | 0.050 |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.895 | 9.688 | 3813 | 10160 | 0.020 | 0.041 # |
| 23) Hexachlor... | 3.208 | 3.665 | 12306 | 8288 | 11064.643 | BelowCal # |
| 24) Hexachlor... | 5.762 | 6.471 | 10419 | 8724 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.244 | 7.879f | 10651 | 15997 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.344 | 8.147f | 7874 | 7418 | BelowCal | BelowCal |
| 27) trans-Non... | 7.511 | 8.191 | 4487 | 7090 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 7.978 | 0.000 | 2753 | 0 | BelowCal | N.D. |
| 31) Mirex | 8.644 | 9.688 | 4358 | 10160 | 5765.324 | BelowCal # |
| 32) Chlordane... | 0.000 | 8.147 | 0 | 7418 | N.D. | 0.188 # |
| 33) Chlordane... | 7.511 | 0.000 | 4487 | 0 | 0.169 | N.D. # |
| 34) Chlordane... | 8.092f | 8.908 | 5591 | 35267 | 0.769 | 3.446 # |
| 35) Chlordane... | 3.675f | 3.690 | 18934 | 19162 | NoCal | NoCal |
| 36) Toxaphene... | 7.511 | 0.000 | 4487 | 0 | 4.318 | N.D. # |
| 37) Toxaphene... | 0.000 | 8.845f | 0 | 5752 | N.D. | 1.609 # |
| 38) Toxaphene... | 8.092 | 8.845 | 5591 | 5752 | 1.371 | 1.030 |
| 39) Toxaphene... | 8.307f | 8.908 | 22144 | 35267 | 5.637 | BelowCal # |
| 40) Toxaphene... | 8.592f | 9.104 | 1831 | 40573 | 0.597 | 8.210 # |
| 41) Toxaphene... | 8.644 | 0.000 | 4358 | 0 | 1.088 | N.D. # |
| 42) Toxaphene... | 3.675f | 3.690 | 18934 | 19162 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:31
Operator : MJB
Sample : 0C24036-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 20:48
 Operator : MJB
 Sample : 0C24036-ICV2
 Misc : A20C360, 9-42 50 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

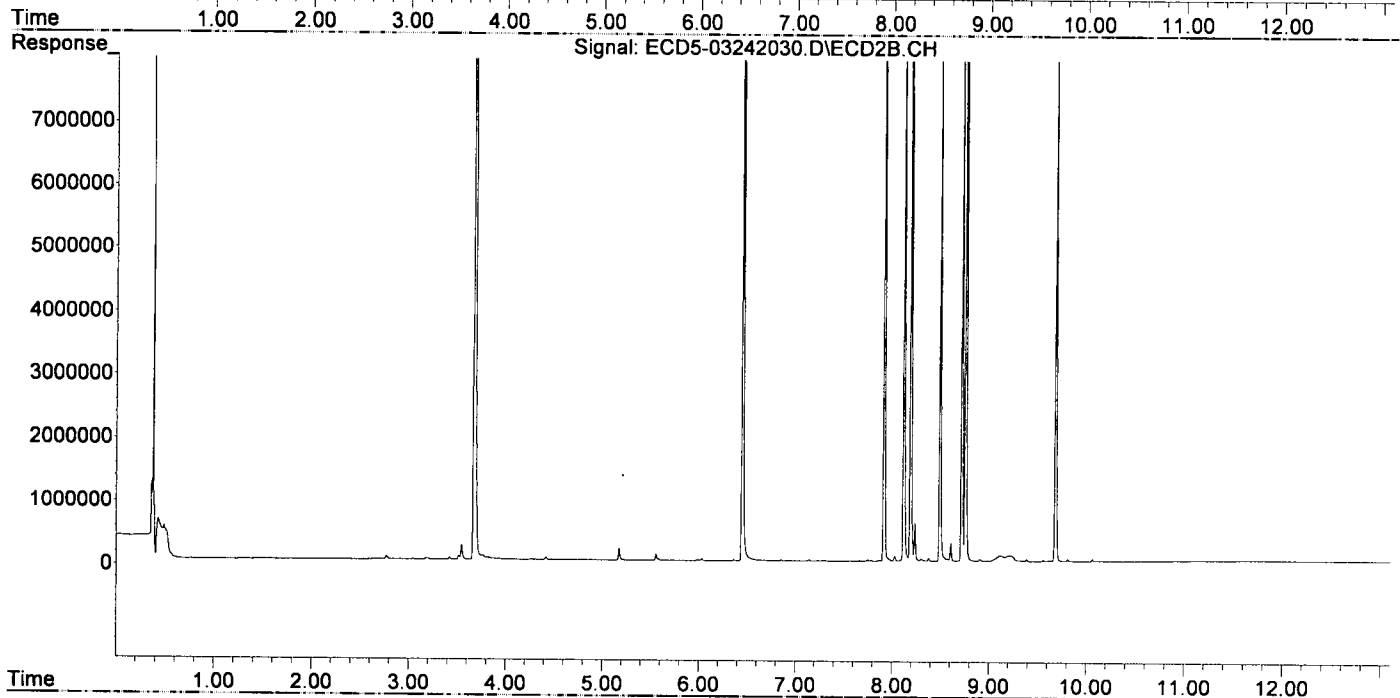
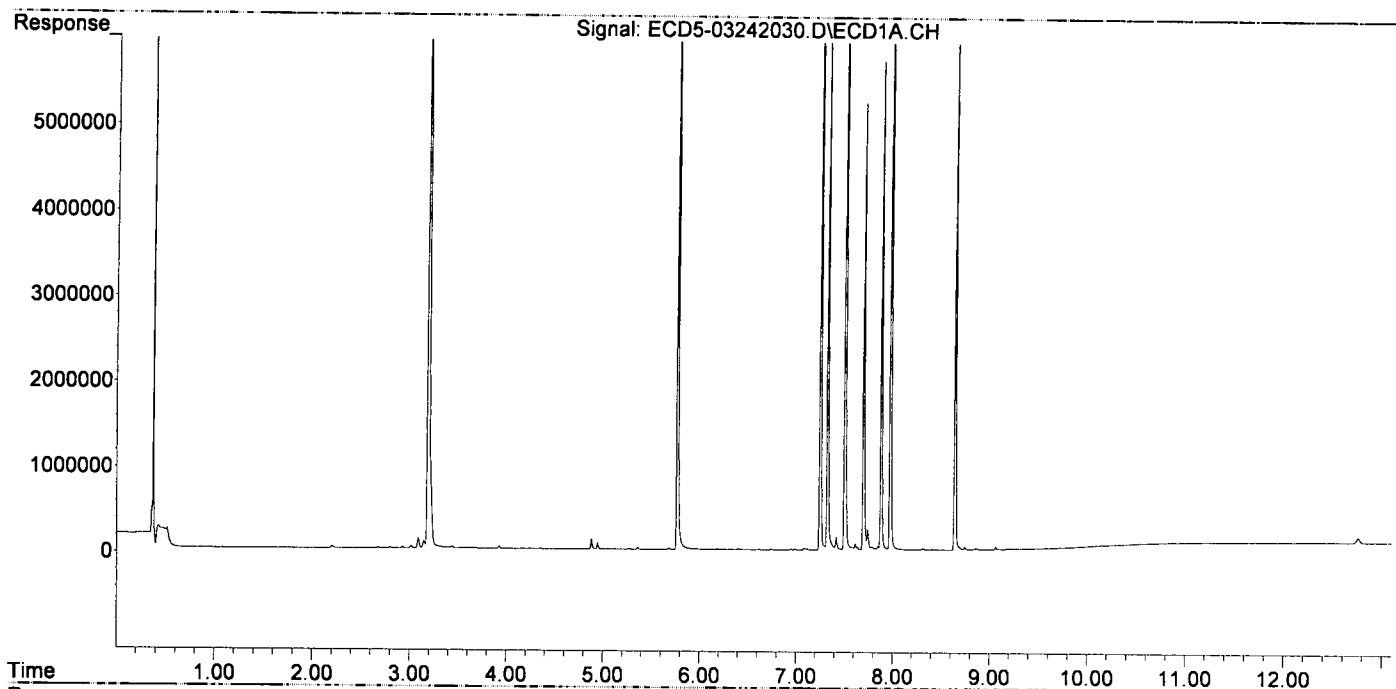
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.362f | 5.991 | 24348 | 15971 | 0.126 | 0.056 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.186f | 6.950f | 11740 | 5249 | 0.051 | 0.015 # |
| 4) b-BHC | 0.000 | 6.950f | 0 | 5249 | N.D. | 0.035 # |
| 5) Heptachlor | 6.621 | 7.285 | 8829 | 12552 | 0.040 | 0.037 |
| 6) d-BHC | 6.403f | 0.000 | 13721 | 0 | 0.070 | N.D. # |
| 7) Aldrin | 0.000 | 7.566 | 0 | 8773 | N.D. | 0.027 # |
| 8) Heptachlo... | 7.326 | 8.032f | 6099012 | 84901 | 29.759 | 0.285 # |
| 9) trans-Chl... | 7.419 | 8.123 | 155119 | 9473689 | 0.744 | 31.272 # |
| 10) cis-Chlor... | 7.507 | 8.237 | 9376247 | 602548 | 45.786 | 2.077 # |
| 11) Endosulfa... | 7.616 | 8.302 | 79511 | 36071 | 0.411 | 0.133 # |
| 12) 4,4'-DDE | 7.616f | 8.381f | 79511 | 51683 | 0.403 | 0.180 # |
| 13) Dieldrin | 7.788 | 8.496 | 35789 | 8176018 | 0.168 | 27.481 # |
| 14) Endrin | 7.977f | 8.721 | 10238173 | 8814864 | 59.897 | 38.496 # |
| 15) 4,4'-DDD | 7.977f | 8.760 | 10238173 | 15998663 | 62.645 | 66.491 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.409 | 9.119 | 8181 | 81628 | 0.056 | 0.392 # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.864f | 9.685 | 18137 | 8628656 | 0.095 | 34.609 # |
| 23) Hexachlor... | 3.192 | 3.674 | 8858161 | 17490999 | 47.183 | 47.641 |
| 24) Hexachlor... | 5.771 | 6.452 | 9125799 | 14654499 | 49.946 | 50.772 |
| 25) Oxychlordane | 7.251 | 7.919 | 8359974 | 12990188 | 49.208 | 50.765 |
| 26) 2,4'-DDE | 7.326 | 8.123 | 6099012 | 9473689 | 49.663 | 49.614 |
| 27) trans-Non... | 7.507 | 8.194 | 9376247 | 14648218 | 49.415 | 51.154 |
| 28) 2,4'-DDD | 7.699 | 8.496 | 5229069 | 8176018 | 48.518 | 48.449 |
| 29) 2,4'-DDT | 7.882 | 8.721 | 5708483 | 8814864 | 54.292 | 56.473 |
| 30) cis-Nonac... | 7.977 | 8.760 | 10238173 | 15998663 | 49.880 | 52.499 |
| 31) Mirex | 8.645 | 9.685 | 6086859 | 8628656 | 46.474 | 48.983 |
| 32) Chlordane... | 7.419 | 8.123 | 155119 | 9473689 | 6.645 | 240.424 # |
| 33) Chlordane... | 7.507 | 8.237 | 9376247 | 602548 | 353.123 | 18.399 # |
| 34) Chlordane... | 0.000 | 8.908 | 0 | 29384 | N.D. | 2.871 # |
| 35) Chlordane... | 3.680f | 3.674 | 12784 | 17490999 | NoCal | NoCal |
| 36) Toxaphene... | 7.507 | 8.496f | 9376247 | 8176018 | 9022.640 | 2907.145 # |
| 37) Toxaphene... | 7.788 | 0.000 | 35789 | 0 | 16.612 | N.D. # |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.311f | 8.908 | 17581 | 29384 | 4.476 | BelowCal # |
| 40) Toxaphene... | 0.000 | 9.119f | 0 | 81628 | N.D. | 16.518 # |
| 41) Toxaphene... | 8.645 | 0.000 | 6086859 | 0 | 1519.550 | N.D. # |
| 42) Toxaphene... | 3.680 | 3.674 | 12784 | 17490999 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:48
Operator : MJB
Sample : 0C24036-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:05
 Operator : MJB
 Sample : 0C24036-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

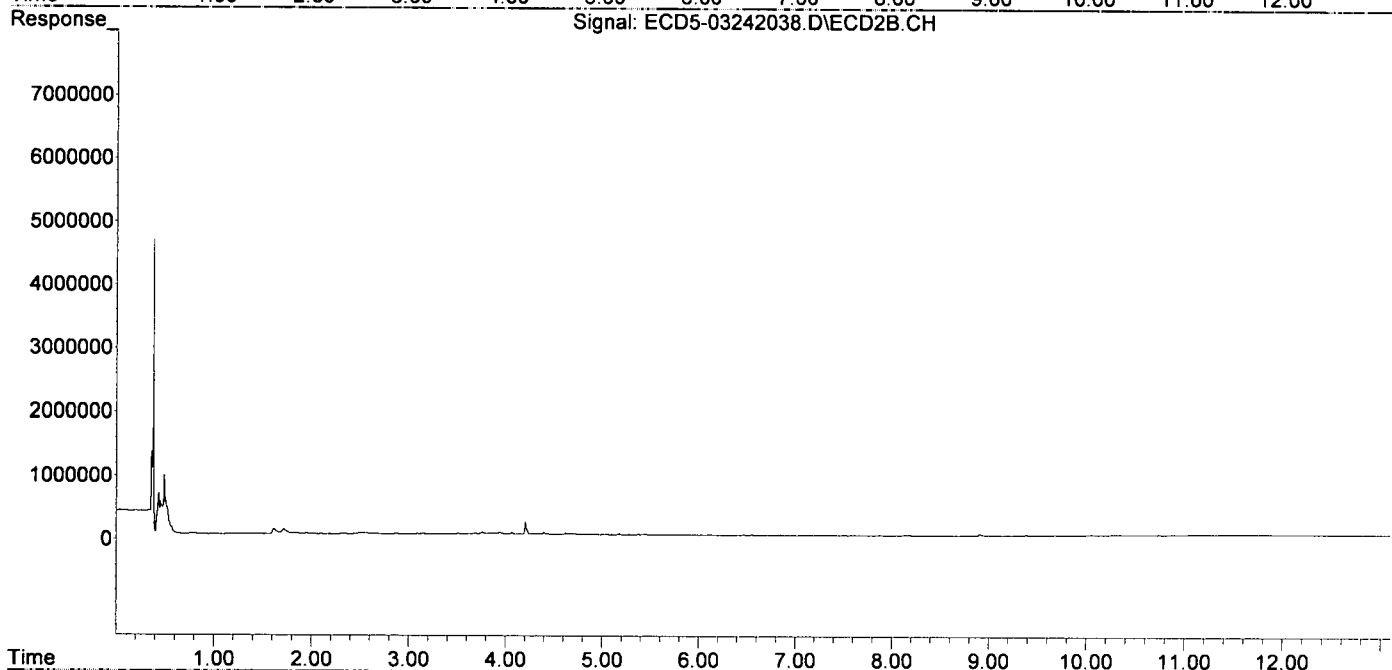
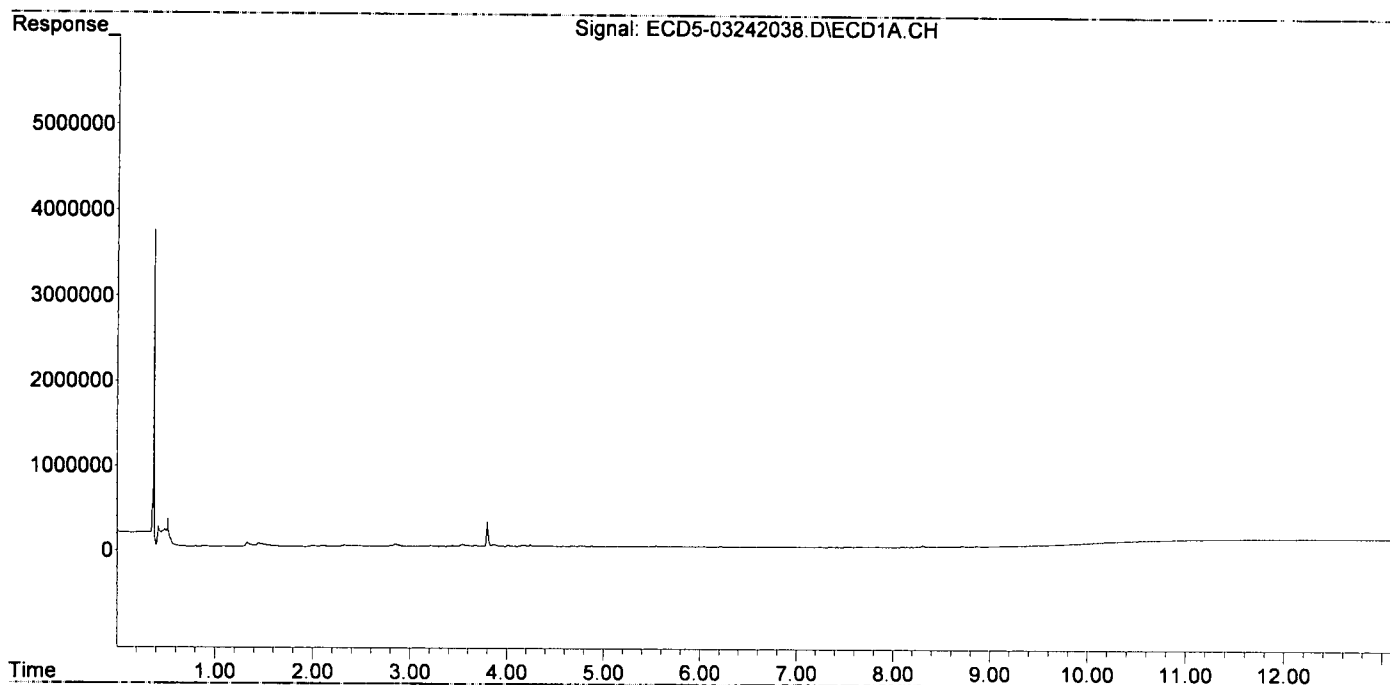
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.369f | 5.950f | 8040 | 5831 | 0.042 | 0.020 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.922 | 0.000 | 3815 | 0 | 0.014 | N.D. # |
| 3) g-BHC | 6.211 | 0.000 | 8692 | 0 | 0.038 | N.D. # |
| 4) b-BHC | 6.274 | 0.000 | 5533 | 0 | 0.058 | N.D. # |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.450 | 0.000 | 3503 | 0 | 0.018 | N.D. # |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.345f | 0.000 | 7893 | 0 | 0.039 | N.D. # |
| 9) trans-Chl... | 7.418 | 8.131 | 3833 | 8434 | 0.018 | 0.028 # |
| 10) cis-Chlor... | 7.514 | 0.000 | 5605 | 0 | 0.027 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.093 | 8.844f | 4740 | 6243 | 0.028 | 0.026 |
| 17) 4,4'-DDT | 0.000 | 9.001 | 0 | 5679 | N.D. | 0.089 # |
| 18) Endrin Al... | 8.399 | 9.102 | 6373 | 7751 | 0.044 | 0.037 |
| 19) Endosulfa... | 8.710 | 9.292 | 7899 | 6861 | 0.048 | 0.030 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.895 | 9.691 | 3869 | 6350 | 0.020 | 0.025 # |
| 23) Hexachlor... | 3.209 | 3.691 | 10809 | 20368 | 11064.651 | BelowCal # |
| 24) Hexachlor... | 5.763 | 6.471 | 7614 | 7807 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.244 | 0.000 | 9014 | 0 | BelowCal | N.D. |
| 26) 2,4'-DDE | 7.345 | 8.131 | 7893 | 8434 | BelowCal | BelowCal |
| 27) trans-Non... | 7.514 | 8.190 | 5605 | 8271 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 0.000 | 9.691 | 0 | 6350 | N.D. | BelowCal |
| 32) Chlordane... | 7.418 | 8.131 | 3833 | 8434 | 0.164 | 0.214 # |
| 33) Chlordane... | 7.514 | 0.000 | 5605 | 0 | 0.211 | N.D. # |
| 34) Chlordane... | 8.093f | 8.907 | 4740 | 31419 | 0.652 | 3.070 # |
| 35) Chlordane... | 3.677f | 3.691 | 16920 | 20368 | NoCal | NoCal |
| 36) Toxaphene... | 7.514 | 0.000 | 5605 | 0 | 5.393 | N.D. # |
| 37) Toxaphene... | 0.000 | 8.844f | 0 | 6243 | N.D. | 1.747 # |
| 38) Toxaphene... | 8.093 | 8.844 | 4740 | 6243 | 1.163 | 1.118 |
| 39) Toxaphene... | 8.309f | 8.907 | 19175 | 31419 | 4.881 | BelowCal # |
| 40) Toxaphene... | 8.591f | 9.102 | 1388 | 7751 | 0.452 | 1.568 # |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 42) Toxaphene... | 3.677f | 3.691 | 16920 | 20368 | NoCal | NoCal |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:05
 Operator : MJB
 Sample : 0C24036-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:22
 Operator : MJB
 Sample : 0C24036-ICV3
 Misc : A20C401, CHLOR 500 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:05:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|---------|----------|----------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.989 | 6485 | 15256 | 0.034 | 0.053 # |
| 22) S DCBP (S) | 9.596 | 10.517f | 25863 | 9156 | BelowCal | 0.054 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.892f | 6.619f | 12369 | 379369 | 0.047 | 0.936 # |
| 3) g-BHC | 6.227 | 6.919 | 18656 | 211915 | 0.082 | 0.599 # |
| 4) b-BHC | 6.262f | 7.012f | 155802 | 685912 | 1.629 | 4.572 # |
| 5) Heptachlor | 6.621 | 7.285 | 5803769 | 9310018 | 26.051 | 27.779 |
| 6) d-BHC | 6.403f | 7.218 | 429094 | 68838 | 2.199 | 0.211 # |
| 7) Aldrin | 6.867 | 7.558 | 82746 | 127611 | 0.373 | 0.392 |
| 8) Heptachlo... | 7.331 | 8.009 | 917616 | 519616 | 4.477 | 1.746 # |
| 9) trans-Chl... | 7.418 | 8.130 | 12416563 | 20906436 | 59.563 | 69.010 |
| 10) cis-Chlor... | 7.512 | 8.238 | 13877124 | 17623162 | 67.764 | 60.733 |
| 11) Endosulfa... | 7.631 | 8.310 | 337133 | 344832 | 1.744 | 1.269 # |
| 12) 4,4'-DDE | 7.571 | 8.334 | 376999 | 479530 | 1.913 | 1.675 |
| 13) Dieldrin | 7.799 | 8.490 | 426587 | 1733714 | 2.008 | 5.827 # |
| 14) Endrin | 7.976f | 8.733 | 2180086 | 248217 | 12.754 | 1.084 # |
| 15) 4,4'-DDD | 7.976f | 8.761 | 2180086 | 3205669 | 13.340 | 13.323 |
| 16) Endosulfa... | 8.111 | 8.875 | 266123 | 381784 | 1.588 | 1.591 |
| 17) 4,4'-DDT | 8.235f | 8.998 | 725911 | 146036 | 5.882 | 0.960 # |
| 18) Endrin Al... | 8.421f | 9.133f | 83872 | 956144 | 0.573 | 4.597 # |
| 19) Endosulfa... | 8.703 | 9.321f | 160001 | 102348 | 0.973 | 0.449 # |
| 20) Methoxychlor | 8.520 | 9.467 | 79645 | 27734 | 1.066 | 0.249 # |
| 21) Endrin Ke... | 8.886 | 9.693 | 24529 | 186615 | 0.128 | 0.748 # |
| 23) Hexachlor... | 3.211f | 0.000 | 8157 | 0 | 11064.665 | N.D. # |
| 24) Hexachlor... | 5.760 | 6.470 | 8912 | 12865 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.244 | 7.932 | 140038 | 295756 | 0.573 | 0.949 # |
| 26) 2,4'-DDE | 7.331 | 8.130 | 917616 | 20906436 | 7.397 | 104.092 # |
| 27) trans-Non... | 7.512 | 8.194 | 13877124 | 15574860 | 73.020 | 54.242 # |
| 28) 2,4'-DDD | 7.668f | 8.490 | 1011950 | 1733714 | 9.255 | 10.409 |
| 29) 2,4'-DDT | 7.908f | 8.733 | 338295 | 248217 | 3.199 | 1.597 # |
| 30) cis-Nonac... | 7.976 | 8.761 | 2180086 | 3205669 | 10.542 | 10.805 |
| 31) Mirex | 8.634 | 9.693 | 30264 | 186615 | 5765.126 | 0.658 # |
| 32) Chlordane... | 7.418 | 8.130 | 12416563 | 20906436 | 531.938 | 530.564 |
| 33) Chlordane... | 7.512 | 8.238 | 13877124 | 17623162 | 522.633 | 538.133 |
| 34) Chlordane... | 8.062 | 8.901 | 3936748 | 5456084 | 541.531 | 533.173 |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.512 | 8.490f | 13877124 | 1733714 | 13353.775 | 616.457 # |
| 37) Toxaphene... | 7.799 | 8.817 | 426587 | 514771 | 227.503 | 144.027 # |
| 38) Toxaphene... | 8.111 | 8.853 | 266123 | 465986 | 65.281 | 83.457 # |
| 39) Toxaphene... | 8.339 | 8.901 | 170761 | 5456084 | 43.471 | 637.807 # |
| 40) Toxaphene... | 8.546f | 9.073f | 84025 | 116863 | 27.392 | 23.649 |
| 41) Toxaphene... | 8.634 | 9.467 | 30264 | 27734 | 7.555 | 5.132 # |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |

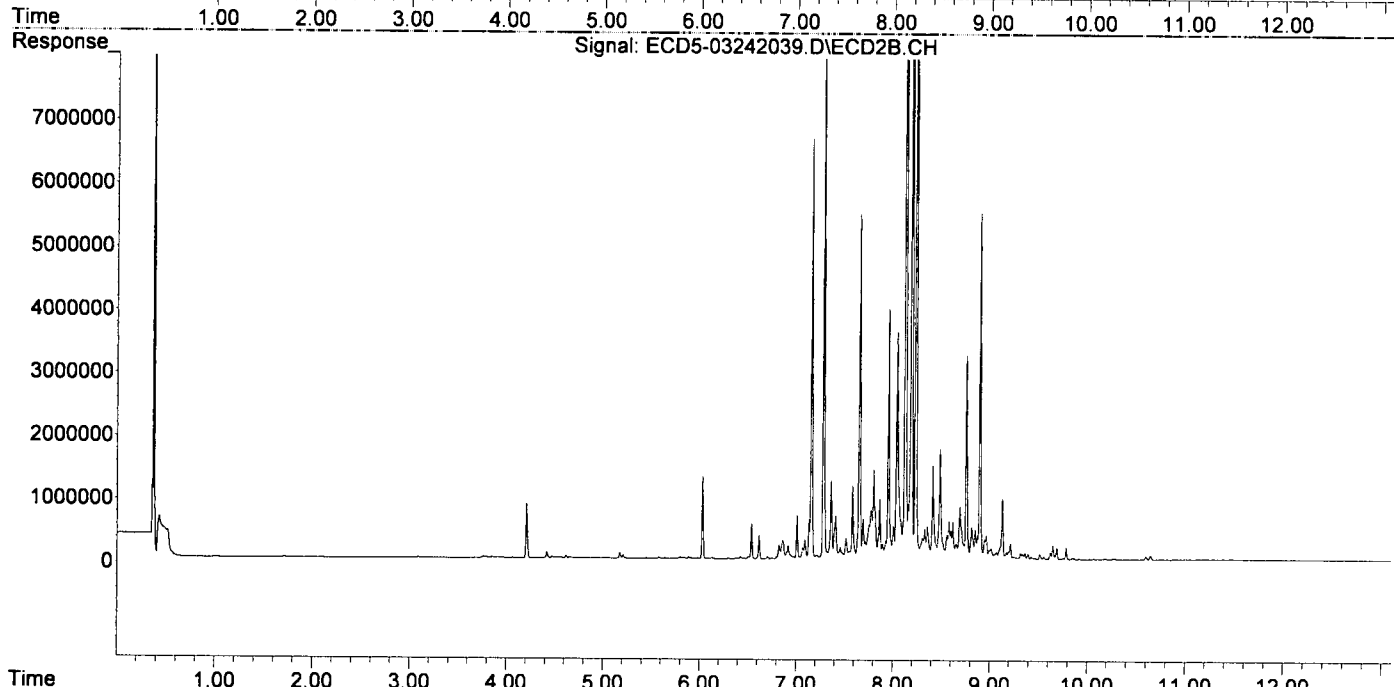
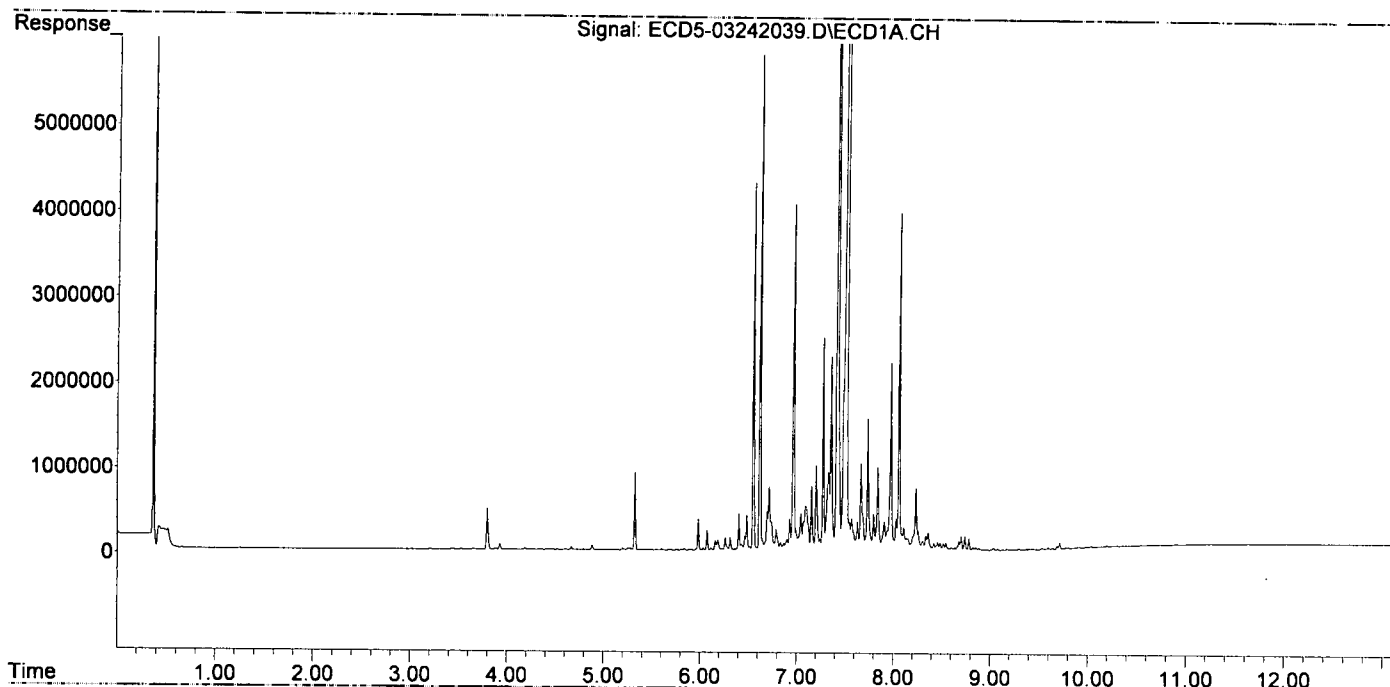
A B
522.03 533.96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:22
Operator : MJB
Sample : 0C24036-ICV3
Misc : A20C401, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:39
 Operator : MJB
 Sample : 0C24036-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:06:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

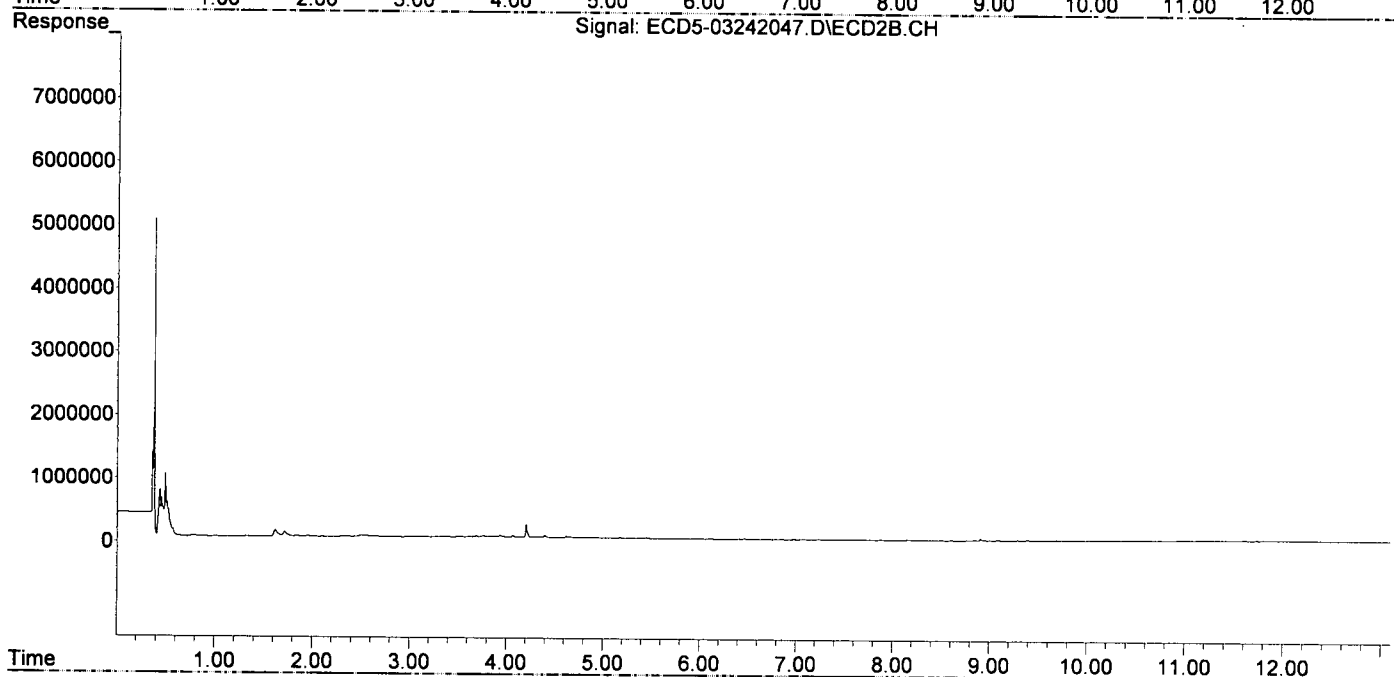
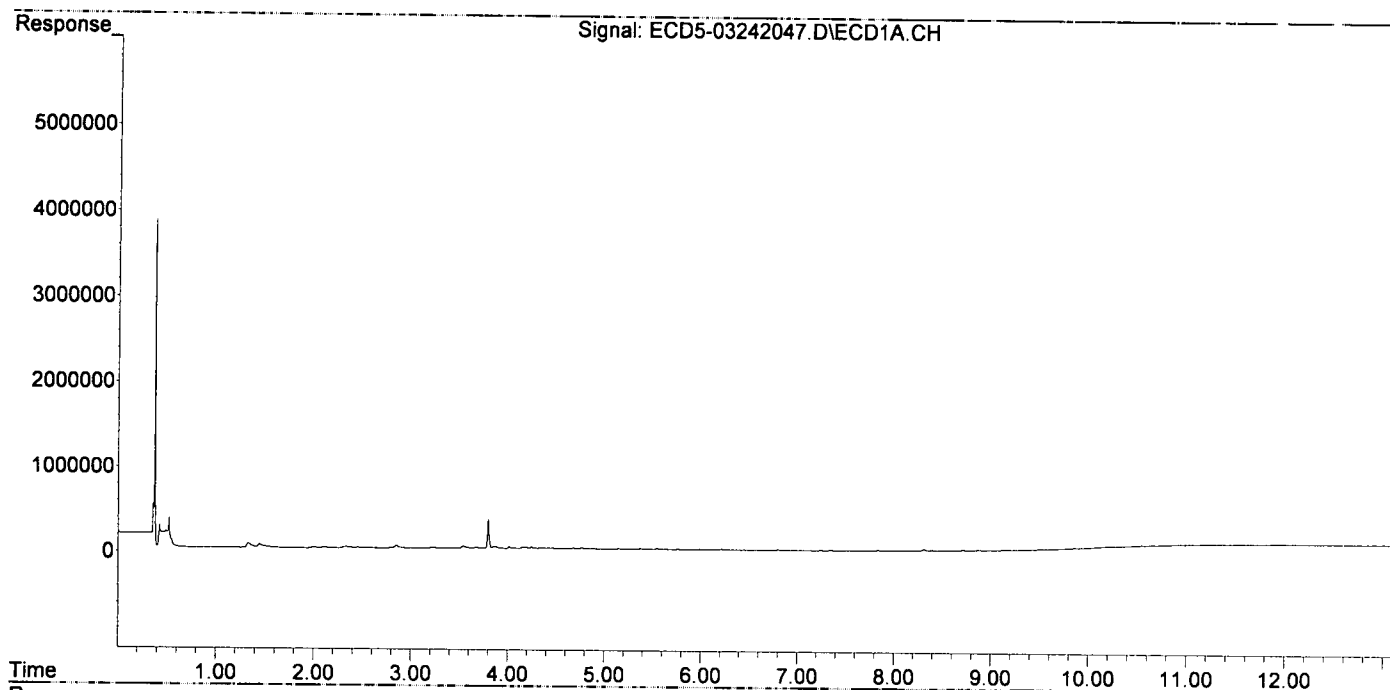
MJB
 3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------------------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.369f | 5.951f | 11086 | 6893 | 0.057 | 0.024 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.922 | 0.000 | 6203 | 0 | 0.024 | N.D. # |
| 3) g-BHC | 6.211 | 0.000 | 9428 | 0 | 0.041 | N.D. # |
| 4) b-BHC | 6.275 | 0.000 | 6909 | 0 | 0.072 | N.D. # |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.450 | 7.238 | 3678 | 5553 | 0.019 | 0.017 |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.346f | 0.000 | 7695 | 0 | 0.038 | N.D. # |
| 9) trans-Chl... | 0.000 | 8.150 | 0 | 3869 | N.D. | 0.013 # |
| 10) cis-Chlor... | 7.518 | 0.000 | 2620 | 0 | 0.013 | N.D. # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 16) Endosulfa... | 8.093 | 8.845f | 6299 | 8766 | 0.038 | 0.037 |
| 17) 4,4'-DDT | 0.000 | 9.003 | 0 | 5608 | N.D. | 0.089 # |
| 18) Endrin Al... | 8.399 | 9.101 | 6539 | 8085 | 0.045 | 0.039 |
| 19) Endosulfa... | 8.709 | 9.292 | 8639 | 8018 | 0.053 | 0.035 # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.895 | 9.691 | 4036 | 6967 | 0.021 | 0.028 # |
| 23) Hexachlor... | 3.210 | 3.668 | 13544 | 10923 | 11064.636 | BelowCal # |
| 24) Hexachlor... | 5.763 | 6.471 | 11616 | 8856 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.244 | 0.000 | 10481 | 0 | BelowCal | N.D. |
| 26) 2,4'-DDE | 7.346 | 8.150f | 7695 | 3869 | BelowCal | BelowCal |
| 27) trans-Non... | 7.518 | 0.000 | 2620 | 0 | BelowCal | N.D. |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 31) Mirex | 0.000 | 9.691 | 0 | 6967 | N.D. | BelowCal |
| 32) Chlordane... | 0.000 | 8.150 | 0 | 3869 | N.D. | 0.098 # |
| 33) Chlordane... | 7.518 | 0.000 | 2620 | 0 | 0.099 | N.D. # |
| 34) Chlordane... | 8.093f | 8.908 | 6299 | 30403 | 0.867 | 2.971 # |
| 35) Chlordane... | 3.678f | 3.691 | 18647 | 22757 | NoCal | NoCal |
| 36) Toxaphene... | 7.518f | 0.000 | 2620 | 0 | 2.521 | N.D. # |
| 37) Toxaphene... | 0.000 | 8.845f | 0 | 8766 | N.D. | 2.453 # |
| 38) Toxaphene... | 8.093 | 8.845 | 6299 | 8766 | 1.545 | 1.570 |
| 39) Toxaphene... | 8.310f | 8.908 | 18182 | 30403 | 4.629 | BelowCal # |
| 40) Toxaphene... | 8.591f | 9.101 | 1831 | 8085 | 0.597 | 1.636 # |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 42) Toxaphene... | 3.678f | 3.691 | 18647 | 22757 | NoCal | NoCal |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:39
 Operator : MJB
 Sample : 0C24036-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:06:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:56
 Operator : MJB
 Sample : 0C24036-ICV4
 Misc : A19J42, TOX 500 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:06:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.989 | 0 | 18459 | N.D. | 0.065 # |
| 22) S DCBP (S) | 9.582 | 10.528f | 44693 | 60896 | 0.123 | 0.359 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.923 | 6.593 | 8430 | 15000 | 0.032 | 0.037 |
| 3) g-BHC | 6.224 | 6.896 | 10001 | 22534 | 0.044 | 0.064 # |
| 4) b-BHC | 6.276 | 6.961 | 16888 | 39259 | 0.177 | 0.262 # |
| 5) Heptachlor | 6.621 | 7.287 | 28211 | 58616 | 0.127 | 0.175 # |
| 6) d-BHC | 6.459f | 7.229 | 18627 | 56046 | 0.095 | 0.172 # |
| 7) Aldrin | 6.861 | 7.578f | 66093 | 143560 | 0.298 | 0.441 # |
| 8) Heptachlo... | 7.349f | 7.983 | 300247 | 474936 | 1.465 | 1.596 |
| 9) trans-Chl... | 7.436 | 8.111f | 388671 | 538028 | 1.864 | 1.776 |
| 10) cis-Chlor... | 7.493f | 8.262f | 524562 | 594486 | 2.562 | 2.049 |
| 11) Endosulfa... | 7.621 | 8.294 | 641222 | 687231 | 3.317 | 2.529 |
| 12) 4,4'-DDE | 7.543f | 8.358 | 431521 | 852921 | 2.189 | 2.979 # |
| 13) Dieldrin | 7.787 | 8.506 | 945246 | 832809 | 4.449 | 2.799 # |
| 14) Endrin | 7.976f | 8.712 | 1319056 | 1613145 | 7.717 | 7.045 |
| 15) 4,4'-DDD | 8.014 | 8.763 | 892177 | 1085359 | 5.459 | 4.511 |
| 16) Endosulfa... | 8.099 | 8.850 | 2066420 | 2822064 | 12.333 | 11.763 |
| 17) 4,4'-DDT | 8.178 | 8.979 | 1792918 | 1158793 | 14.341 | 7.105 # |
| 18) Endrin Al... | 8.386 | 9.094 | 1422685 | 2603006 | 9.720 | 12.514 # |
| 19) Endosulfa... | 8.703 | 9.294 | 779028 | 1128579 | 4.738 | 4.957 |
| 20) Methoxychlor | 8.537 | 9.475 | 712155 | 2813219 | 10.800 | 31.474 # |
| 21) Endrin Ke... | 8.887 | 9.717f | 529891 | 575242 | 2.775 | 2.307 |
| 23) Hexachlor... | 3.211 | 3.673 | 8583 | 9371 | 11064.663 | BelowCal # |
| 24) Hexachlor... | 5.773 | 6.451 | 4474 | 15735 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.254 | 7.934 | 424546 | 432611 | 2.259 | 1.512 # |
| 26) 2,4'-DDE | 7.349f | 8.111 | 300247 | 538028 | 2.281 | 2.754 |
| 27) trans-Non... | 7.493 | 8.204 | 524562 | 551320 | 2.538 | 1.790 # |
| 28) 2,4'-DDD | 7.705 | 8.506 | 719352 | 832809 | 6.502 | 4.881 |
| 29) 2,4'-DDT | 7.891 | 8.712 | 1140646 | 1613145 | 11.174 | 11.170 |
| 30) cis-Nonac... | 7.976 | 8.763 | 1319056 | 1085359 | 6.294 | 3.545 # |
| 31) Mirex | 8.634 | 9.717f | 2046875 | 575242 | 15.276 | 2.956 # |
| 32) Chlordane... | 7.436 | 8.111 | 388671 | 538028 | 16.651 | 13.654 |
| 33) Chlordane... | 7.493 | 8.218f | 524562 | 528497 | 19.756 | 16.138 |
| 34) Chlordane... | 8.039f | 8.918 | 912283 | 4678572 | 125.492 | 457.194 # |
| 35) Chlordane... | 3.672f | 3.673 | 5533 | 9371 | NoCal | NoCal |
| 36) Toxaphene... | 7.493 | 8.467 | 524562 | 1472274 | 504.779 | 523.496 |
| 37) Toxaphene... | 7.787 | 8.814 | 945246 | 1867581 | 516.138 | 522.528 |
| 38) Toxaphene... | 8.099 | 8.850 | 2066420 | 2822064 | 506.904 | 505.427 |
| 39) Toxaphene... | 8.339 | 8.918 | 1999842 | 4678572 | 509.108 | 549.563 |
| 40) Toxaphene... | 8.567 | 9.094 | 1586287 | 2603006 | 517.130 | 526.746 |
| 41) Toxaphene... | 8.634 | 9.475 | 2046875 | 2813219 | 510.991 | 520.529 |
| 42) Toxaphene... | 3.672f | 3.673 | 5533 | 9371 | NoCal | NoCal |

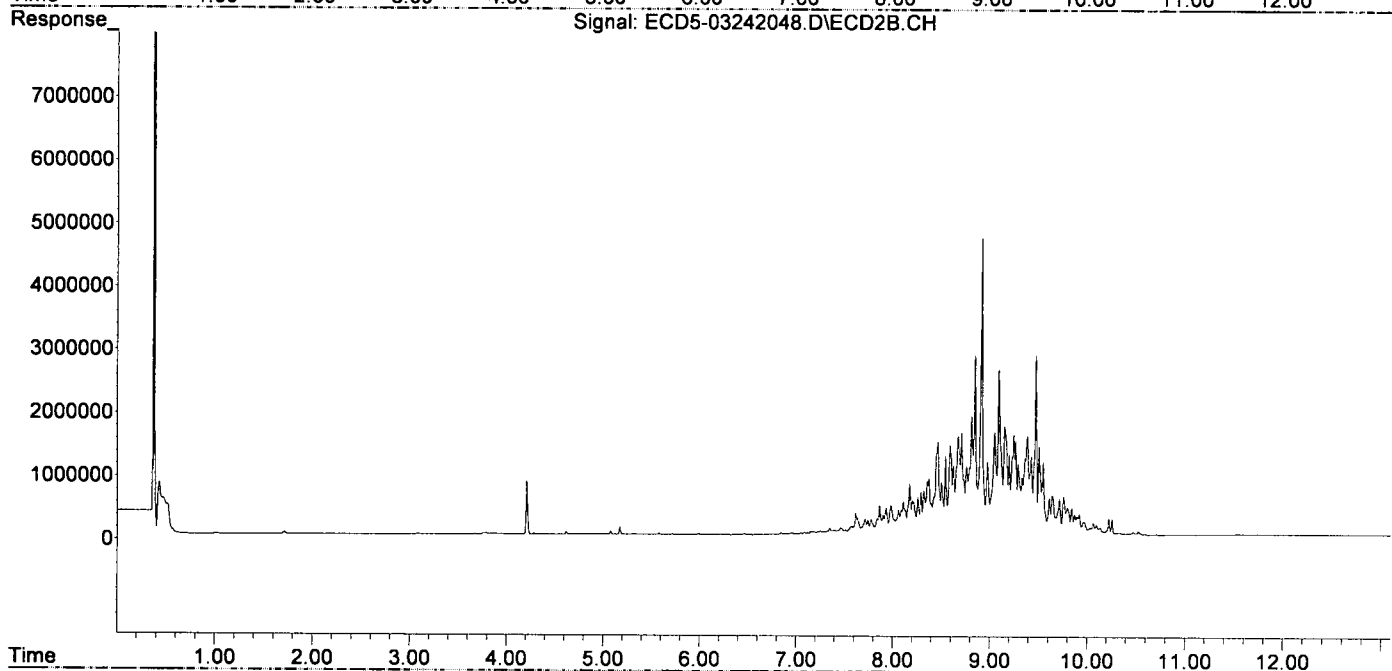
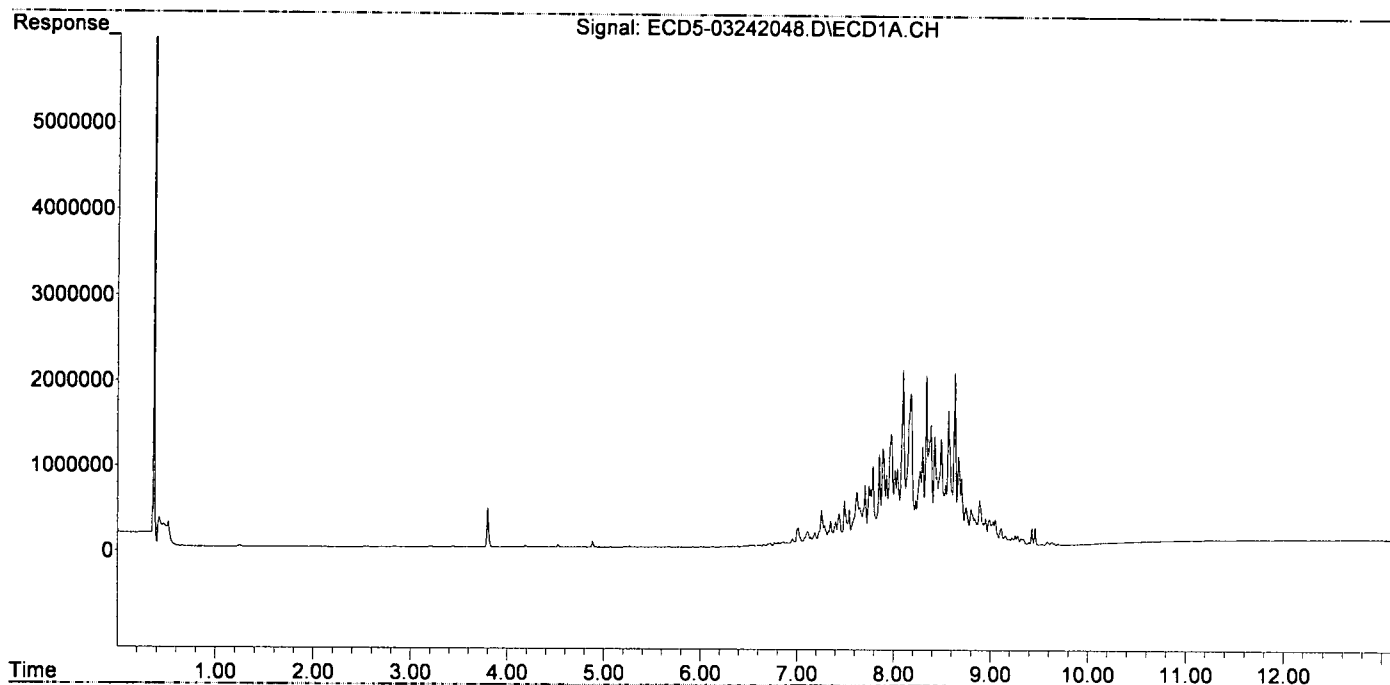
510.84 524.71

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:56
 Operator : MJB
 Sample : 0C24036-ICV4
 Misc : A19J42, TOX 500 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 15:06:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:15
 Operator : MJB
 Sample : 0C24036-CAL1
 Misc : A20C398, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:46:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.392 | 5.987 | 110536 | 164456 | 0.572 | 0.575 |
| 22) S DCBP (S) | 9.590 | 10.554 | 98116 | 90290 | 0.482 | 0.532 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.931 | 6.595 | 137171 | 190412 | 0.521 | 0.470 |
| 3) g-BHC | 6.214 | 6.914 | 120065 | 177278 | 0.525 | 0.501 |
| 4) b-BHC | 6.291 | 6.978 | 56206 | 85651 | 0.587 | 0.571 |
| 5) Heptachlor | 6.624 | 7.289 | 125615 | 176454 | 0.564 | 0.526 |
| 6) d-BHC | 6.442 | 7.234 | 93927 | 154610 | 0.481 | 0.473 |
| 7) Aldrin | 6.865 | 7.555 | 116958 | 161744 | 0.527 | 0.496 |
| 8) Heptachlo... | 7.327 | 7.994 | 116602 | 157622 | 0.569 | 0.530 |
| 9) trans-Chl... | 7.422 | 8.134 | 117895 | 159223 | 0.566 | 0.526 |
| 10) cis-Chlor... | 7.519 | 8.242 | 120376 | 155733 | 0.588 | 0.537 |
| 11) Endosulfa... | 7.618 | 8.292 | 109155 | 139375 | 0.565 | 0.513 |
| 12) 4,4'-DDE | 7.581 | 8.348 | 104194 | 137534 | 0.529 | 0.480 |
| 13) Dieldrin | 7.789 | 8.493 | 115621 | 146999 | 0.544 | 0.494 |
| 14) Endrin | 7.954 | 8.721 | 94731 | 117807 | 0.554 | 0.514 |
| 15) 4,4'-DDD | 8.003 | 8.765 | 89339 | 121353 | 0.547 | 0.504 |
| 16) Endosulfa... | 8.112 | 8.868 | 94859 | 127427 | 0.566 | 0.531 |
| 17) 4,4'-DDT | 8.199 | 8.990 | 64160 | 75283 | 0.509 | 0.522 |
| 18) Endrin Al... | 8.402 | 9.105 | 134379 | 174071 | 0.918 | 0.837 |
| 19) Endosulfa... | 8.704 | 9.296 | 96545 | 122422 | 0.587 | 0.538 |
| 20) Methoxychlor | 8.534 | 9.470 | 42088 | 48420 | 0.482 | 0.498 |
| 21) Endrin Ke... | 8.898 | 9.696 | 113093 | 132508 | 0.592 | 0.531 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 6.476 | 0 | 5689 | N.D. | 0.016 # |
| 25) Oxychlordane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 7.327 | 8.134 | 116602 | 159223 | 0.764 | 0.676 |
| 27) trans-Non... | 7.519 | 8.242f | 120376 | 155733 | 0.537 | 0.458 |
| 28) 2,4'-DDD | 0.000 | 8.493 | 0 | 146999 | N.D. | 0.704 # |
| 29) 2,4'-DDT | 0.000 | 8.721 | 0 | 117807 | N.D. | 0.741 # |
| 30) cis-Nonac... | 8.003 | 8.765 | 89339 | 121353 | 0.357 | 0.323 |
| 31) Mirex | 8.656 | 9.696 | 1215 | 132508 | BelowCal | 0.538 |
| 32) Chlordane... | 7.422 | 8.134 | 117895 | 159223 | 4.751 | 3.752 |
| 33) Chlordane... | 7.519 | 8.242 | 120376 | 155733 | 4.371 | 4.435 |
| 34) Chlordane... | 8.112f | 8.906 | 94859 | 45966 | 12.658 | 4.269 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.519 | 8.493 | 120376 | 146999 | 113.517 | 51.988 # |
| 37) Toxaphene... | 7.789 | 0.000 | 115621 | 0 | 58.703 | N.D. # |
| 38) Toxaphene... | 8.112 | 8.868 | 94859 | 127427 | 23.603 | 22.193 |
| 39) Toxaphene... | 0.000 | 8.906f | 0 | 45966 | N.D. | 4.970 # |
| 40) Toxaphene... | 0.000 | 9.105 | 0 | 174071 | N.D. | 34.319 # |
| 41) Toxaphene... | 8.656 | 9.470 | 1215 | 48420 | 0.308 | 9.065 # |
| 42) Toxaphene... | 3.663f | 0.000 | 20018 | 0 | NoCal | N.D. |

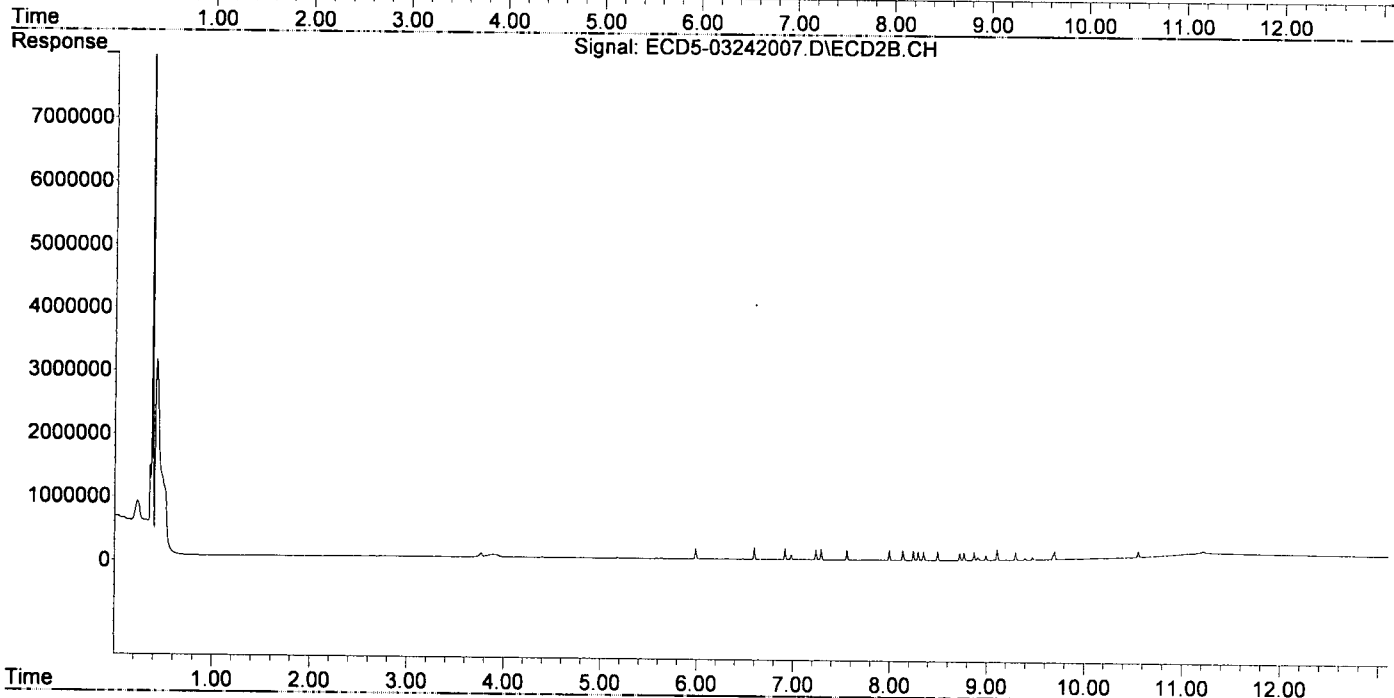
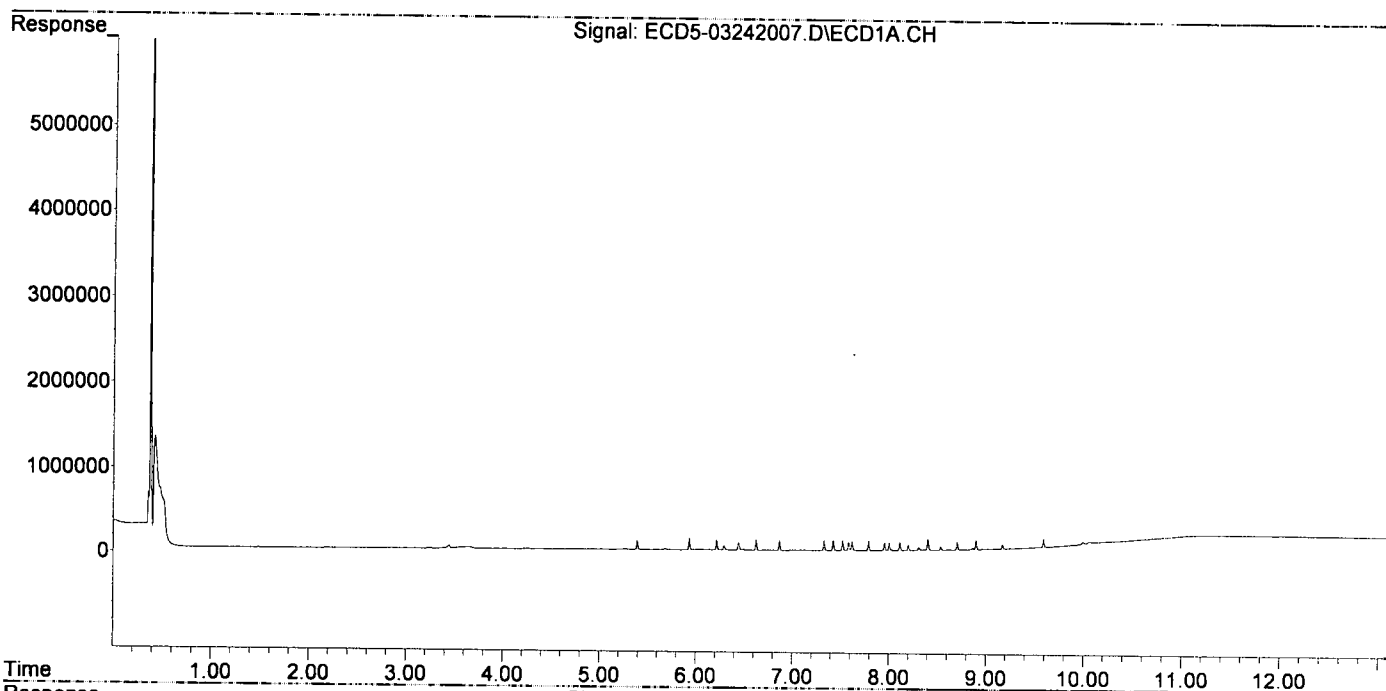
Not used
in Cal.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:33
 Operator : MJB
 Sample : 0C24036-CAL2
 Misc : A20C178, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:46:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

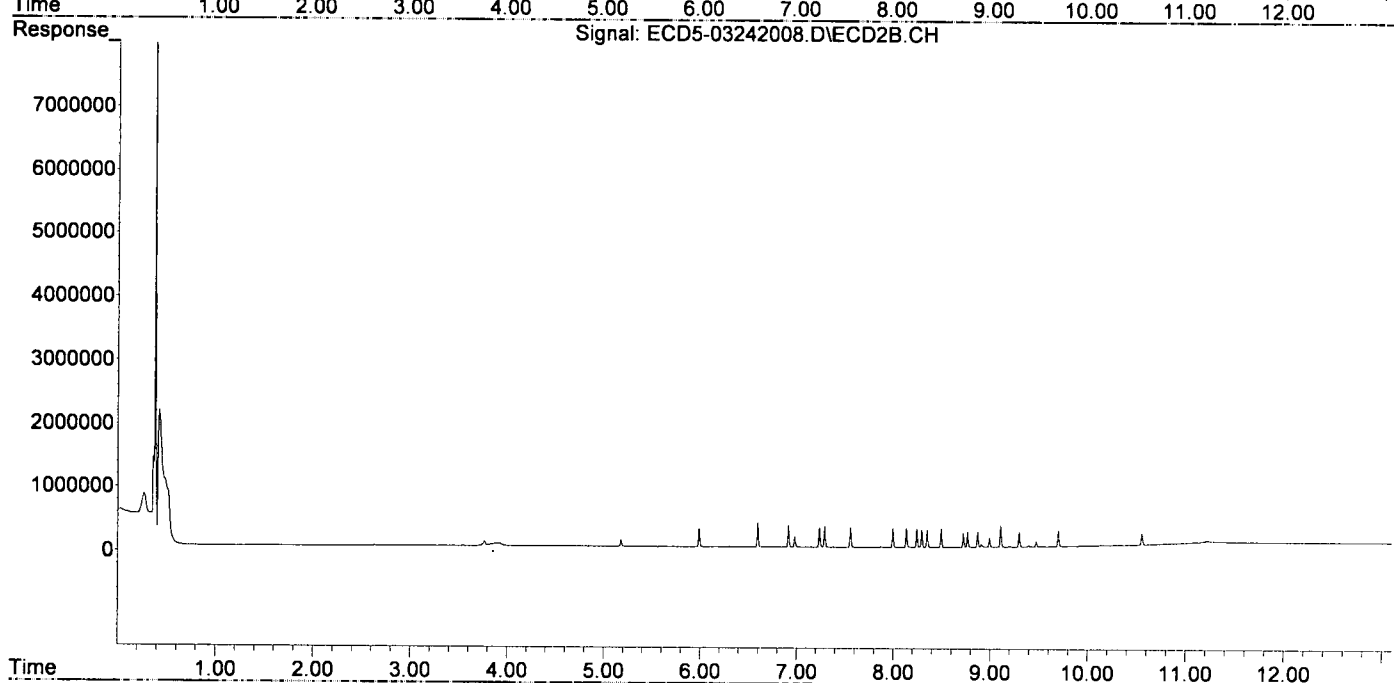
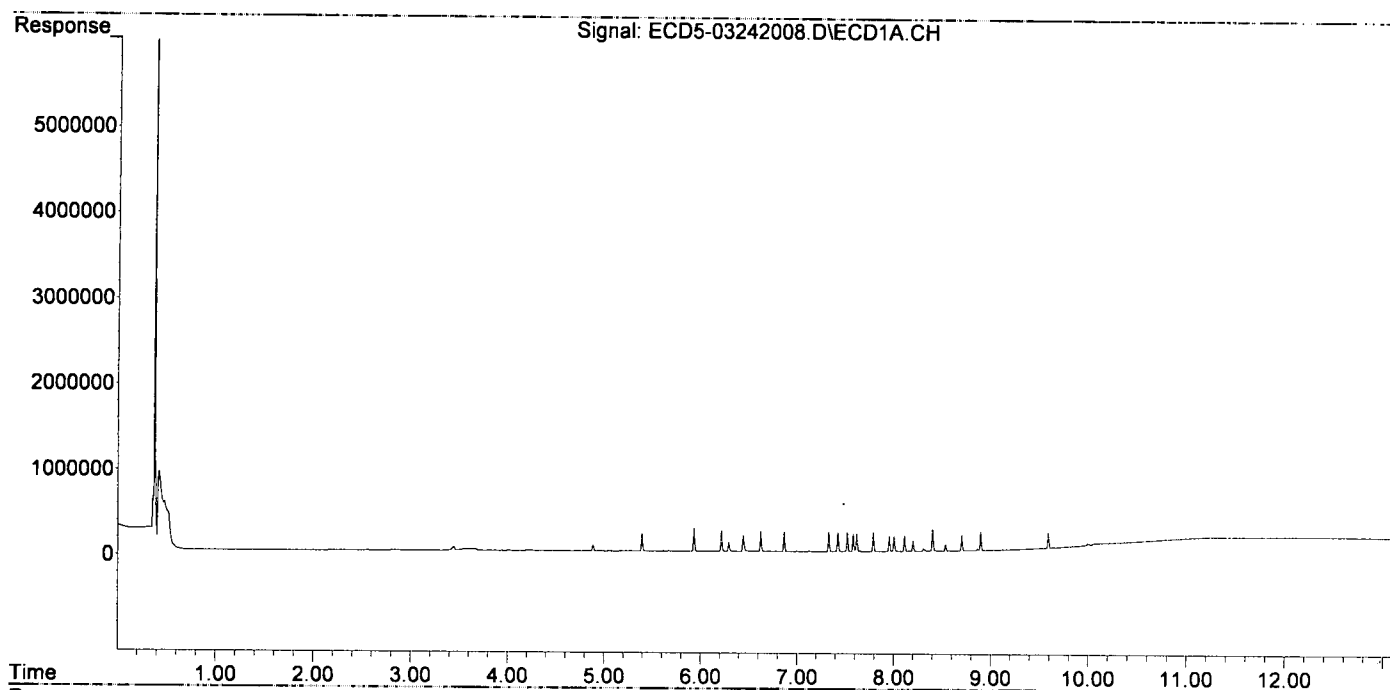
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|--------|--------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.392 | 5.988 | 207645 | 286301 | 1.075 | 1.002 |
| 22) S DCBP (S) | 9.591 | 10.555 | 181183 | 178563 | 1.042 | 1.051 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.932 | 6.596 | 265596 | 377299 | 1.009 | 0.931 |
| 3) g-BHC | 6.215 | 6.914 | 235537 | 342671 | 1.030 | 0.969 |
| 4) b-BHC | 6.291 | 6.979 | 105215 | 160782 | 1.100 | 1.072 |
| 5) Heptachlor | 6.624 | 7.290 | 230067 | 329837 | 1.033 | 0.984 |
| 6) d-BHC | 6.442 | 7.235 | 184376 | 305632 | 0.945 | 0.936 |
| 7) Aldrin | 6.866 | 7.556 | 228121 | 307770 | 1.027 | 0.944 |
| 8) Heptachlo... | 7.328 | 7.995 | 224847 | 298486 | 1.097 | 1.003 |
| 9) trans-Chl... | 7.423 | 8.135 | 218460 | 299115 | 1.048 | 0.987 |
| 10) cis-Chlor... | 7.520 | 8.243 | 222249 | 292209 | 1.085 | 1.007 |
| 11) Endosulfa... | 7.618 | 8.293 | 202673 | 271030 | 1.048 | 0.997 |
| 12) 4,4'-DDE | 7.582 | 8.349 | 200955 | 269052 | 1.020 | 0.940 |
| 13) Dieldrin | 7.790 | 8.494 | 219208 | 291990 | 1.032 | 0.981 |
| 14) Endrin | 7.955 | 8.722 | 176915 | 222568 | 1.035 | 0.972 |
| 15) 4,4'-DDD | 8.003 | 8.765 | 171895 | 235370 | 1.052 | 0.978 |
| 16) Endosulfa... | 8.112 | 8.869 | 179623 | 236237 | 1.072 | 0.985 |
| 17) 4,4'-DDT | 8.200 | 8.992 | 121352 | 143366 | 0.977 | 0.943 |
| 18) Endrin Al... | 8.402 | 9.106 | 255838 | 337369 | 1.748 | 1.622 |
| 19) Endosulfa... | 8.703 | 9.297 | 181494 | 232214 | 1.104 | 1.020 |
| 20) Methoxychlor | 8.535 | 9.471 | 79126 | 89258 | 1.058 | 0.988 |
| 21) Endrin Ke... | 8.898 | 9.698 | 212548 | 246568 | 1.113 | 0.989 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 6.476 | 0 | 5591 | N.D. | 0.015 # |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 7.328 | 8.135 | 224847 | 299115 | 1.474 | 1.271 |
| 27) trans-Non... | 7.520 | 8.243f | 222249 | 292209 | 0.992 | 0.859 |
| 28) 2,4'-DDD | 0.000 | 8.494 | 0 | 291990 | N.D. | 1.398 # |
| 29) 2,4'-DDT | 0.000 | 8.722 | 0 | 222568 | N.D. | 1.369 # |
| 30) cis-Nonac... | 8.003 | 8.765 | 171895 | 235370 | 0.687 | 0.627 |
| 31) Mirex | 8.655 | 9.698 | 1630 | 246568 | BelowCal | 1.135 |
| 32) Chlordane... | 7.423 | 8.135 | 218460 | 299115 | 8.804 | 7.048 |
| 33) Chlordane... | 7.520 | 8.243 | 222249 | 292209 | 8.071 | 8.321 |
| 34) Chlordane... | 8.112f | 8.908 | 179623 | 44252 | 23.969 | 4.110 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.520 | 8.494 | 222249 | 291990 | 209.586 | 103.265 # |
| 37) Toxaphene... | 7.790 | 0.000 | 219208 | 0 | 111.296 | N.D. # |
| 38) Toxaphene... | 8.112 | 8.869 | 179623 | 236237 | 44.693 | 41.145 |
| 39) Toxaphene... | 0.000 | 8.908 | 0 | 44252 | N.D. | 4.785 # |
| 40) Toxaphene... | 0.000 | 9.106 | 0 | 337369 | N.D. | 66.514 # |
| 41) Toxaphene... | 8.655 | 9.471 | 1630 | 89258 | 0.413 | 16.711 # |
| 42) Toxaphene... | 3.663f | 0.000 | 21890 | 0 | NoCal | N.D. |

→ Not used in Cal

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:33
 Operator : MJB
 Sample : 0C24036-CAL2
 Misc : A20C178, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:46:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:50
 Operator : MJB
 Sample : 0C24036-CAL3
 Misc : A20C179, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:46:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

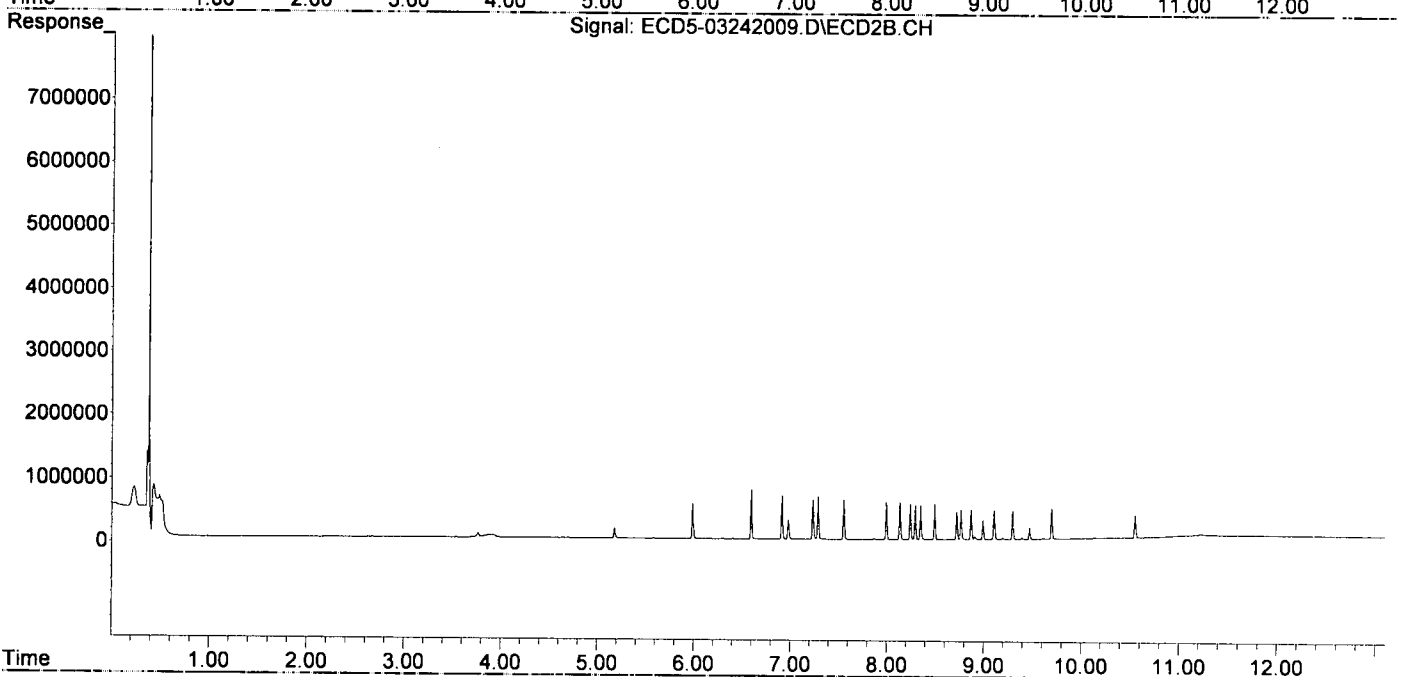
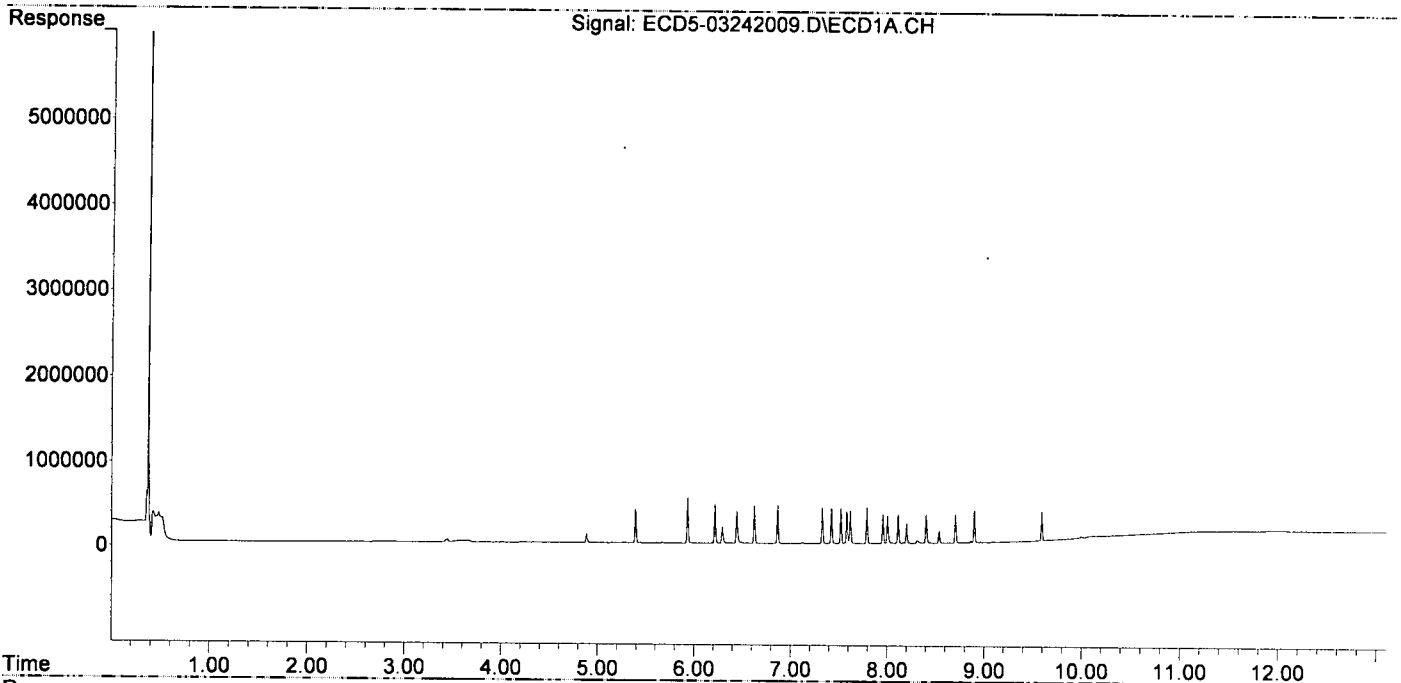
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 389246 | 549729 | 2.015 | 1.923 |
| 22) S DCBP (S) | 9.589 | 10.552 | 338359 | 341403 | 2.101 | 2.010 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 533325 | 769730 | 2.026 | 1.900 |
| 3) g-BHC | 6.213 | 6.913 | 461944 | 680129 | 2.019 | 1.923 |
| 4) b-BHC | 6.289 | 6.977 | 193610 | 302962 | 2.024 | 2.019 |
| 5) Heptachlor | 6.622 | 7.287 | 451051 | 669996 | 2.025 | 1.999 |
| 6) d-BHC | 6.440 | 7.233 | 371970 | 619769 | 1.906 | 1.898 |
| 7) Aldrin | 6.863 | 7.554 | 446847 | 627199 | 2.013 | 1.925 |
| 8) Heptachlo... | 7.326 | 7.994 | 421620 | 587296 | 2.057 | 1.973 |
| 9) trans-Chl... | 7.421 | 8.133 | 420963 | 584049 | 2.019 | 1.928 |
| 10) cis-Chlor... | 7.518 | 8.241 | 418487 | 563394 | 2.044 | 1.942 |
| 11) Endosulfa... | 7.616 | 8.292 | 394005 | 531137 | 2.038 | 1.955 |
| 12) 4,4'-DDE | 7.579 | 8.347 | 377407 | 535383 | 1.915 | 1.870 |
| 13) Dieldrin | 7.788 | 8.493 | 423831 | 559484 | 1.995 | 1.881 |
| 14) Endrin | 7.953 | 8.720 | 337729 | 427288 | 1.976 | 1.866 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 324983 | 459481 | 1.989 | 1.910 |
| 16) Endosulfa... | 8.110 | 8.868 | 336277 | 458827 | 2.007 | 1.913 |
| 17) 4,4'-DDT | 8.198 | 8.990 | 239428 | 293276 | 1.941 | 1.868 |
| 18) Endrin Al... | 8.400 | 9.105 | 339697 | 448662 | 2.321 | 2.157 |
| 19) Endosulfa... | 8.702 | 9.295 | 331487 | 442393 | 2.016 | 1.943 |
| 20) Methoxychlor | 8.534 | 9.469 | 141470 | 178580 | 2.027 | 2.056 |
| 21) Endrin Ke... | 8.896 | 9.696 | 384343 | 474690 | 2.013 | 1.904 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 6.474 | 0 | 5655 | N.D. | 0.015 # |
| 25) Oxychlorane | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 26) 2,4'-DDE | 7.326 | 8.133 | 421620 | 584049 | 2.764 | 2.481 |
| 27) trans-Non... | 7.518 | 8.241f | 418487 | 563394 | 1.868 | 1.656 |
| 28) 2,4'-DDD | 0.000 | 8.493 | 0 | 559484 | N.D. | 2.678 # |
| 29) 2,4'-DDT | 0.000 | 8.720 | 0 | 427288 | N.D. | 2.591 # |
| 30) cis-Nonac... | 8.001 | 8.764 | 324983 | 459481 | 1.298 | 1.223 |
| 31) Mirex | 8.652 | 9.696 | 2416 | 474690 | BelowCal | 2.327 |
| 32) Chlordane... | 7.421 | 8.133 | 420963 | 584049 | 16.966 | 13.762 |
| 33) Chlordane... | 7.518 | 8.241 | 418487 | 563394 | 15.197 | 16.043 |
| 34) Chlordane... | 8.110f | 8.907 | 336277 | 45480 | 44.873 | 4.224 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.518 | 8.493 | 418487 | 559484 | 394.642 | 197.867 # |
| 37) Toxaphene... | 7.788 | 0.000 | 423831 | 0 | 215.187 | N.D. # |
| 38) Toxaphene... | 8.110 | 8.868 | 336277 | 458827 | 83.671 | 79.912 |
| 39) Toxaphene... | 0.000 | 8.907f | 0 | 45480 | N.D. | 4.918 # |
| 40) Toxaphene... | 0.000 | 9.105 | 0 | 448662 | N.D. | 88.456 # |
| 41) Toxaphene... | 8.652 | 9.469 | 2416 | 178580 | 0.613 | 33.433 # |
| 42) Toxaphene... | 3.660f | 0.000 | 19077 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:07
 Operator : MJB
 Sample : 0C24036-CAL4
 Misc : A20C180, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:47:10 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

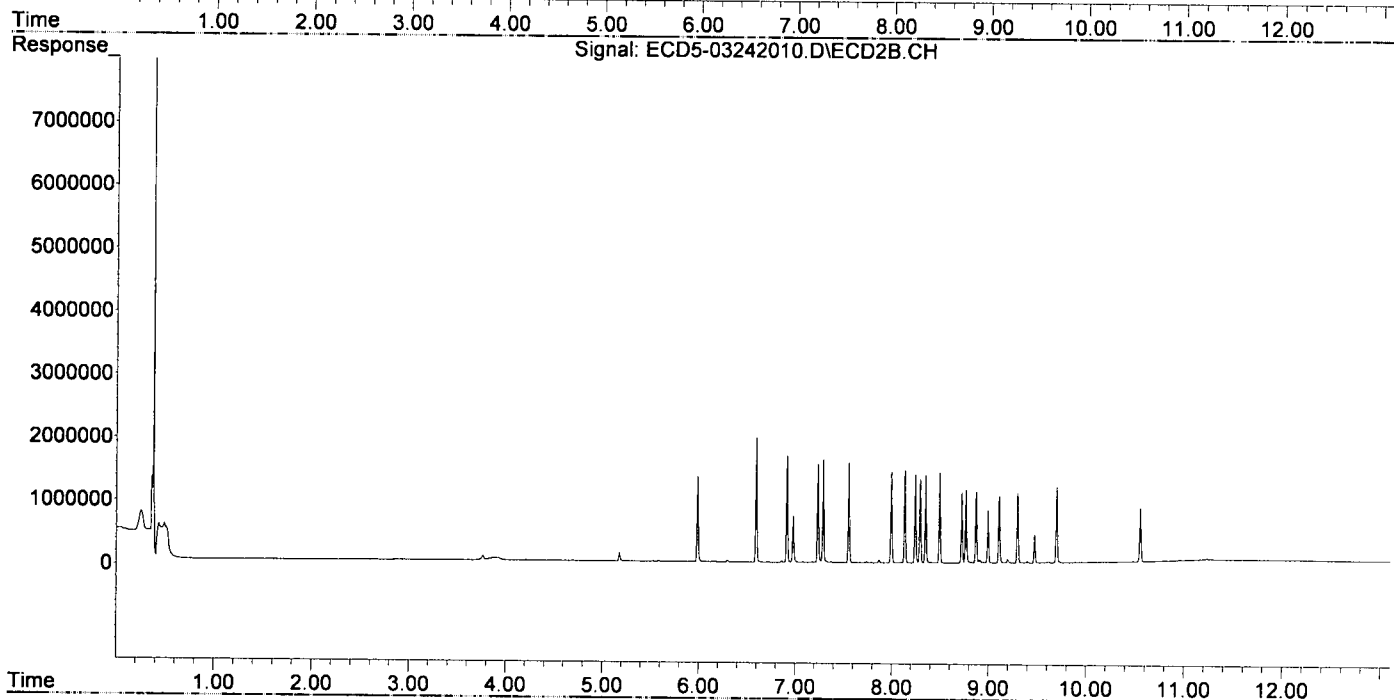
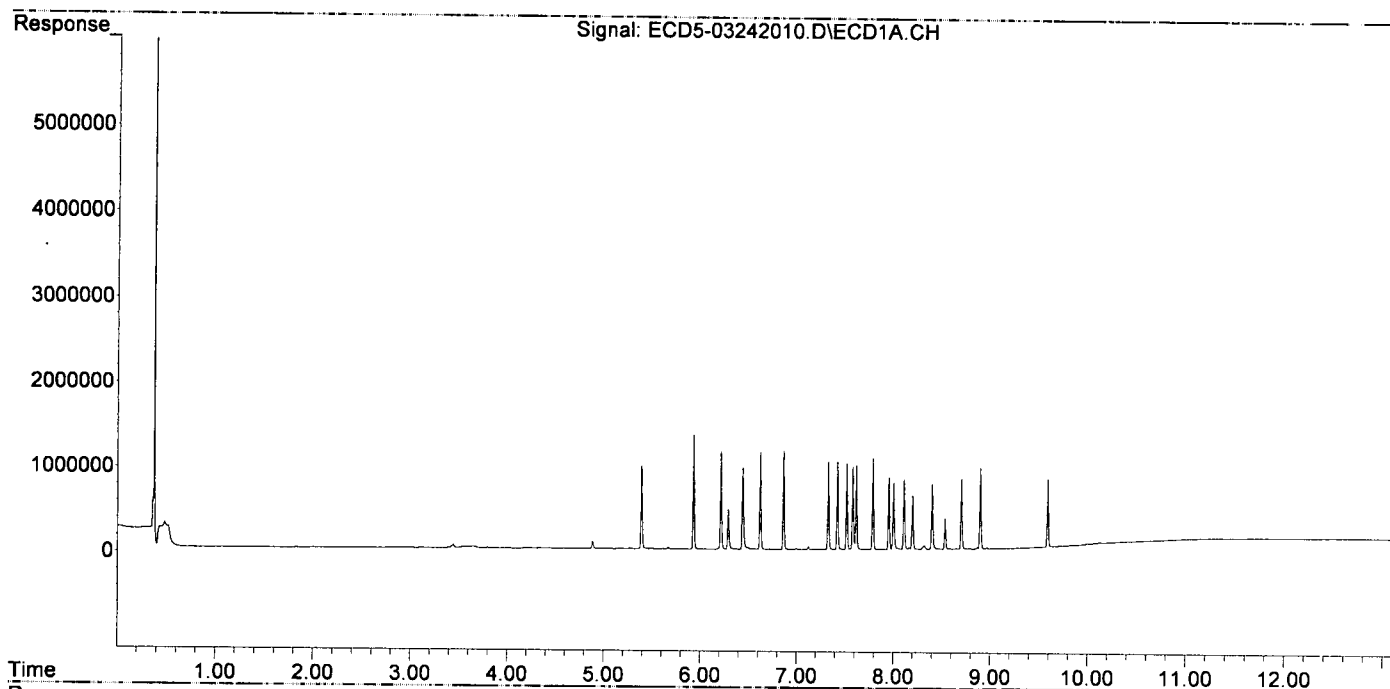
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 964743 | 1335959 | 4.994 | 4.674 |
| 22) S DCBP (S) | 9.588 | 10.553 | 799034 | 836468 | 5.204 | 4.925 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 1329593 | 1962158 | 5.052 | 4.842 |
| 3) g-BHC | 6.213 | 6.913 | 1144128 | 1681533 | 5.002 | 4.753 |
| 4) b-BHC | 6.289 | 6.977 | 468025 | 728404 | 4.892 | 4.855 |
| 5) Heptachlor | 6.622 | 7.288 | 1139576 | 1622489 | 5.115 | 4.841 |
| 6) d-BHC | 6.439 | 7.233 | 956714 | 1544609 | 4.903 | 4.730 |
| 7) Aldrin | 6.863 | 7.554 | 1150626 | 1571627 | 5.182 | 4.823 |
| 8) Heptachlo... | 7.325 | 7.993 | 1022828 | 1429908 | 4.991 | 4.804 |
| 9) trans-Chl... | 7.420 | 8.133 | 1026948 | 1462256 | 4.926 | 4.827 |
| 10) cis-Chlor... | 7.518 | 8.241 | 1009258 | 1388464 | 4.928 | 4.785 |
| 11) Endosulfa... | 7.616 | 8.291 | 985546 | 1319107 | 5.098 | 4.855 |
| 12) 4,4'-DDE | 7.579 | 8.347 | 966330 | 1383430 | 4.902 | 4.831 |
| 13) Dieldrin | 7.787 | 8.493 | 1062097 | 1421532 | 4.999 | 4.778 |
| 14) Endrin | 7.952 | 8.720 | 846370 | 1113227 | 4.952 | 4.862 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 779676 | 1150449 | 4.771 | 4.781 |
| 16) Endosulfa... | 8.109 | 8.868 | 815737 | 1121325 | 4.869 | 4.674 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 628966 | 826552 | 5.101 | 5.114 |
| 18) Endrin Al... | 8.400 | 9.104 | 757621 | 1046598 | 5.176 | 5.032 |
| 19) Endosulfa... | 8.702 | 9.295 | 818686 | 1094098 | 4.979 | 4.805 |
| 20) Methoxychlor | 8.533 | 9.469 | 355516 | 445546 | 5.338 | 5.217 |
| 21) Endrin Ke... | 8.896 | 9.695 | 944342 | 1186676 | 4.945 | 4.760 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 6.473 | 0 | 6415 | N.D. | 0.018 # |
| 25) Oxychlorthane | 7.261 | 0.000 | 5518 | 0 | 0.028 | N.D. # |
| 26) 2,4'-DDE | 7.325 | 8.133 | 1022828 | 1462256 | 6.705 | 6.212 |
| 27) trans-Non... | 7.518 | 8.194 | 1009258 | 6640 | 4.506 | 0.020 # |
| 28) 2,4'-DDD | 0.000 | 8.493 | 0 | 1421532 | N.D. | 6.805 # |
| 29) 2,4'-DDT | 7.882 | 8.720 | 3275 | 1113227 | 0.025 | 6.631 # |
| 30) cis-Nonac... | 8.001 | 8.764 | 779676 | 1150449 | 3.115 | 3.063 |
| 31) Mirex | 8.651 | 9.695 | 5455 | 1186676 | BelowCal | 6.029 |
| 32) Chlordane... | 7.420 | 8.133 | 1026948 | 1462256 | 41.388 | 34.455 |
| 33) Chlordane... | 7.518 | 8.241 | 1009258 | 1388464 | 36.649 | 39.538 |
| 34) Chlordane... | 8.109f | 8.907 | 815737 | 51993 | 108.854 | 4.829 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.518 | 8.493 | 1009258 | 1421532 | 951.752 | 502.739 # |
| 37) Toxaphene... | 7.787 | 0.000 | 1062097 | 0 | 539.246 | N.D. # |
| 38) Toxaphene... | 8.109 | 8.868 | 815737 | 1121325 | 202.968 | 195.297 |
| 39) Toxaphene... | 8.320f | 8.907f | 43956 | 51993 | 11.250 | 5.622 # |
| 40) Toxaphene... | 0.000 | 9.104 | 0 | 1046598 | N.D. | 206.341 # |
| 41) Toxaphene... | 8.651 | 9.469 | 5455 | 445546 | 1.383 | 83.413 # |
| 42) Toxaphene... | 3.662f | 0.000 | 18606 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:10 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:24
 Operator : MJB
 Sample : 0C24036-CAL5
 Misc : A20C181, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:47:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

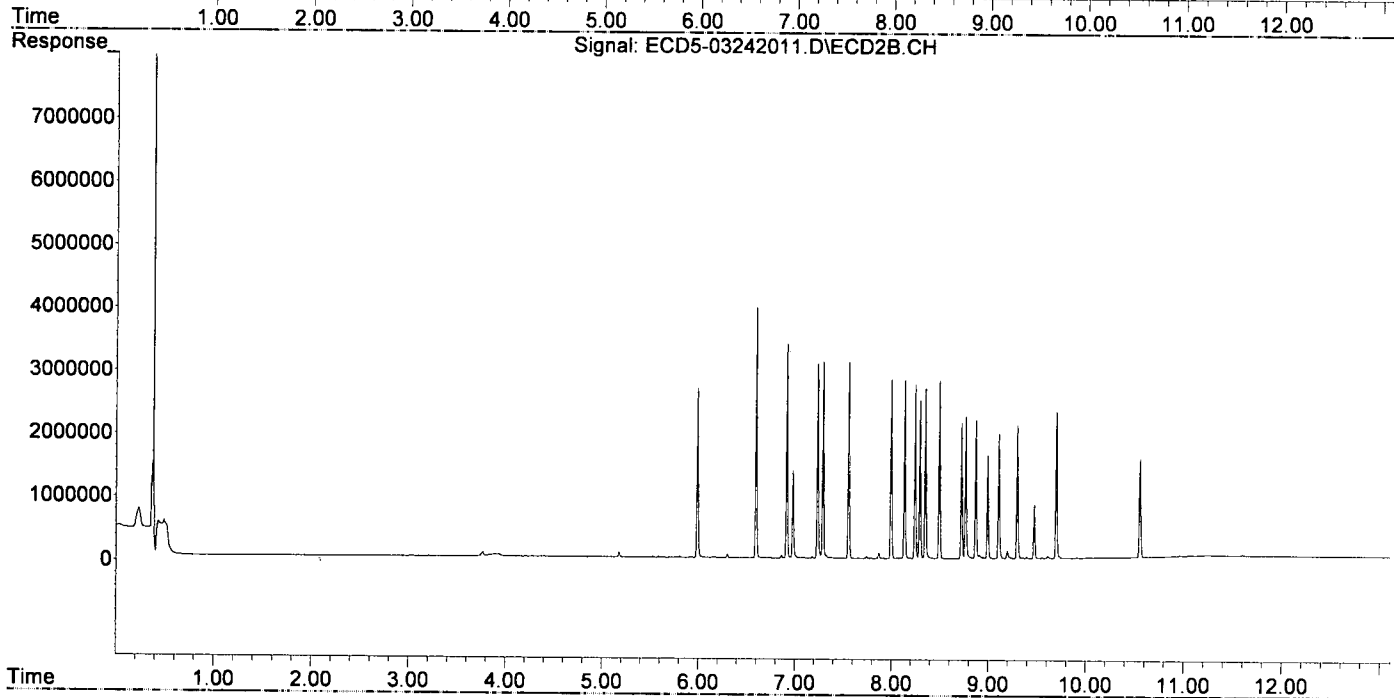
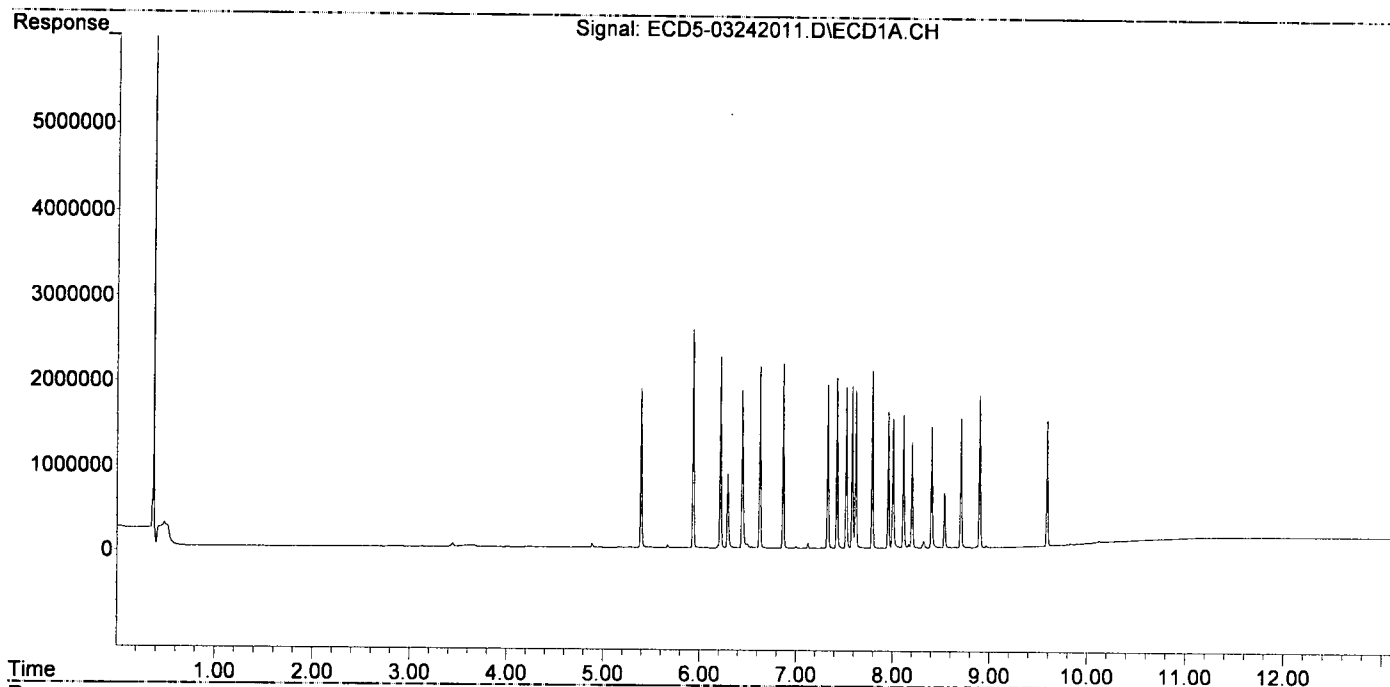
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.391 | 5.987 | 1871440 | 2672852 | 9.687 | 9.351 |
| 22) S DCBP (S) | 9.589 | 10.554 | 1476751 | 1539567 | 9.768 | 9.065 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.595 | 2560403 | 3940249 | 9.729 | 9.724 |
| 3) g-BHC | 6.213 | 6.913 | 2232104 | 3375199 | 9.758 | 9.541 |
| 4) b-BHC | 6.289 | 6.977 | 872767 | 1376406 | 9.123 | 9.174 |
| 5) Heptachlor | 6.623 | 7.288 | 2121785 | 3095659 | 9.524 | 9.237 |
| 6) d-BHC | 6.439 | 7.233 | 1855154 | 3066052 | 9.508 | 9.389 |
| 7) Aldrin | 6.864 | 7.555 | 2164338 | 3095998 | 9.748 | 9.500 |
| 8) Heptachlo... | 7.326 | 7.994 | 1918192 | 2823127 | 9.359 | 9.485 |
| 9) trans-Chl... | 7.421 | 8.134 | 1997780 | 2808234 | 9.583 | 9.270 |
| 10) cis-Chlor... | 7.518 | 8.242 | 1892390 | 2750743 | 9.241 | 9.480 |
| 11) Endosulfa... | 7.616 | 8.292 | 1839301 | 2496249 | 9.513 | 9.187 |
| 12) 4,4'-DDE | 7.579 | 8.348 | 1899226 | 2682066 | 9.635 | 9.367 |
| 13) Dieldrin | 7.787 | 8.493 | 2075053 | 2800716 | 9.767 | 9.414 |
| 14) Endrin | 7.952 | 8.720 | 1604775 | 2149089 | 9.388 | 9.385 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 1528268 | 2247089 | 9.351 | 9.339 |
| 16) Endosulfa... | 8.109 | 8.868 | 1565837 | 2179899 | 9.346 | 9.087 |
| 17) 4,4'-DDT | 8.198 | 8.990 | 1240165 | 1621620 | 9.989 | 9.839 |
| 18) Endrin Al... | 8.400 | 9.105 | 1418667 | 1961779 | 9.692 | 9.431 |
| 19) Endosulfa... | 8.702 | 9.295 | 1519791 | 2092636 | 9.242 | 9.191 |
| 20) Methoxychlor | 8.534 | 9.470 | 649462 | 846036 | 9.844 | 9.875 |
| 21) Endrin Ke... | 8.896 | 9.696 | 1786134 | 2307847 | 9.353 | 9.257 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.772 | 6.474 | 5029 | 5302 | 0.022 | 0.015 # |
| 25) Oxychlordan | 7.262 | 0.000 | 10799 | 0 | 0.054 | N.D. # |
| 26) 2,4'-DDE | 7.326 | 8.134 | 1918192 | 2808234 | 12.575 | 11.930 |
| 27) trans-Non... | 7.518 | 8.193 | 1892390 | 11514 | 8.448 | 0.034 # |
| 28) 2,4'-DDD | 0.000 | 8.493 | 0 | 2800716 | N.D. | 13.406 # |
| 29) 2,4'-DDT | 7.884 | 8.720 | 4980 | 2149089 | 0.039 | 12.580 # |
| 30) cis-Nonac... | 8.001 | 8.764 | 1528268 | 2247089 | 6.105 | 5.983 |
| 31) Mirex | 8.651 | 9.696 | 10691 | 2307847 | BelowCal | 11.806 |
| 32) Chlordane... | 7.421 | 8.134 | 1997780 | 2808234 | 80.515 | 66.171 |
| 33) Chlordane... | 7.518 | 8.242 | 1892390 | 2750743 | 68.719 | 78.330 |
| 34) Chlordane... | 8.109f | 8.907 | 1565837 | 57434 | 208.948 | 5.334 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.518 | 8.493 | 1892390 | 2800716 | 1784.564 | 990.501 # |
| 37) Toxaphene... | 7.787 | 0.000 | 2075053 | 0 | 1053.542 | N.D. # |
| 38) Toxaphene... | 8.109 | 8.868 | 1565837 | 2179899 | 389.605 | 379.665 |
| 39) Toxaphene... | 8.321f | 8.907f | 79411 | 57434 | 20.324 | 6.210 # |
| 40) Toxaphene... | 0.000 | 9.105 | 0 | 1961779 | N.D. | 386.773 # |
| 41) Toxaphene... | 8.651 | 9.470 | 10691 | 846036 | 2.711 | 158.392 # |
| 42) Toxaphene... | 3.663f | 0.000 | 17335 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:24
Operator : MJB
Sample : 0C24036-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:41
 Operator : MJB
 Sample : 0C24036-CAL6
 Misc : A20C182, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:47:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

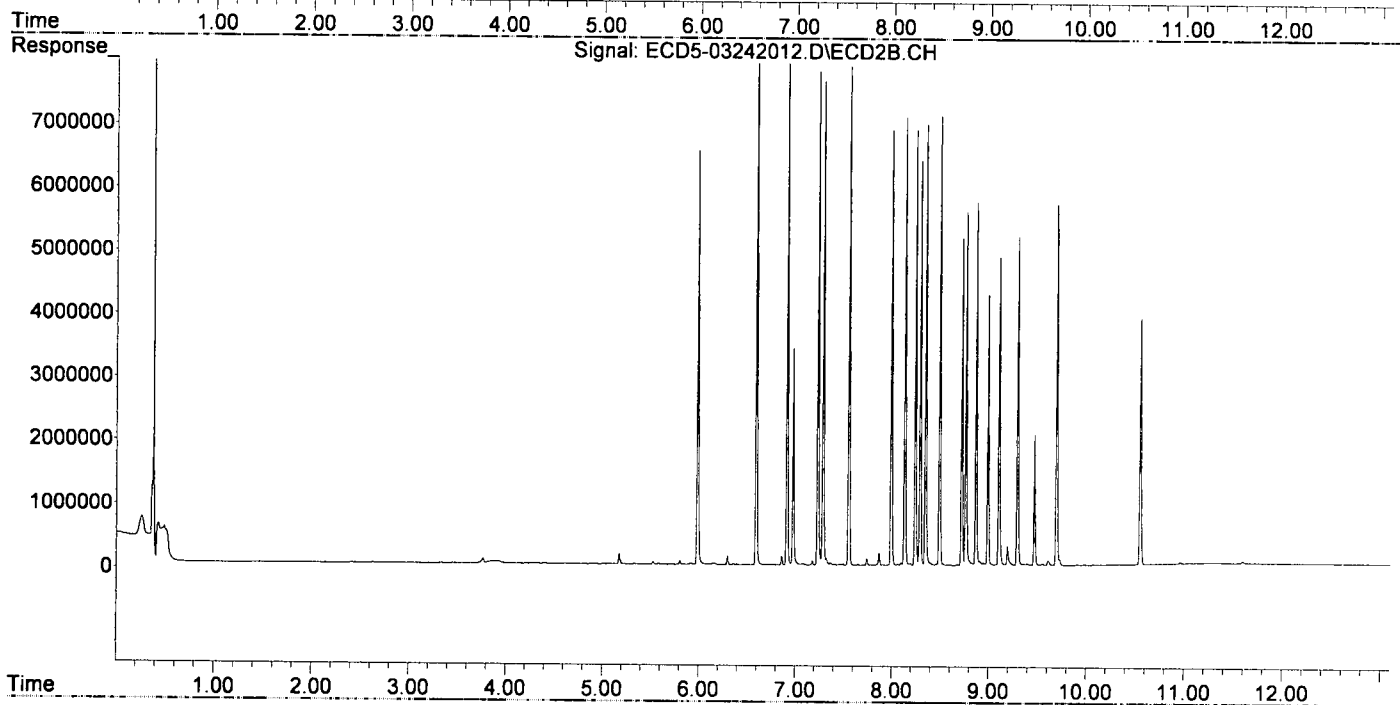
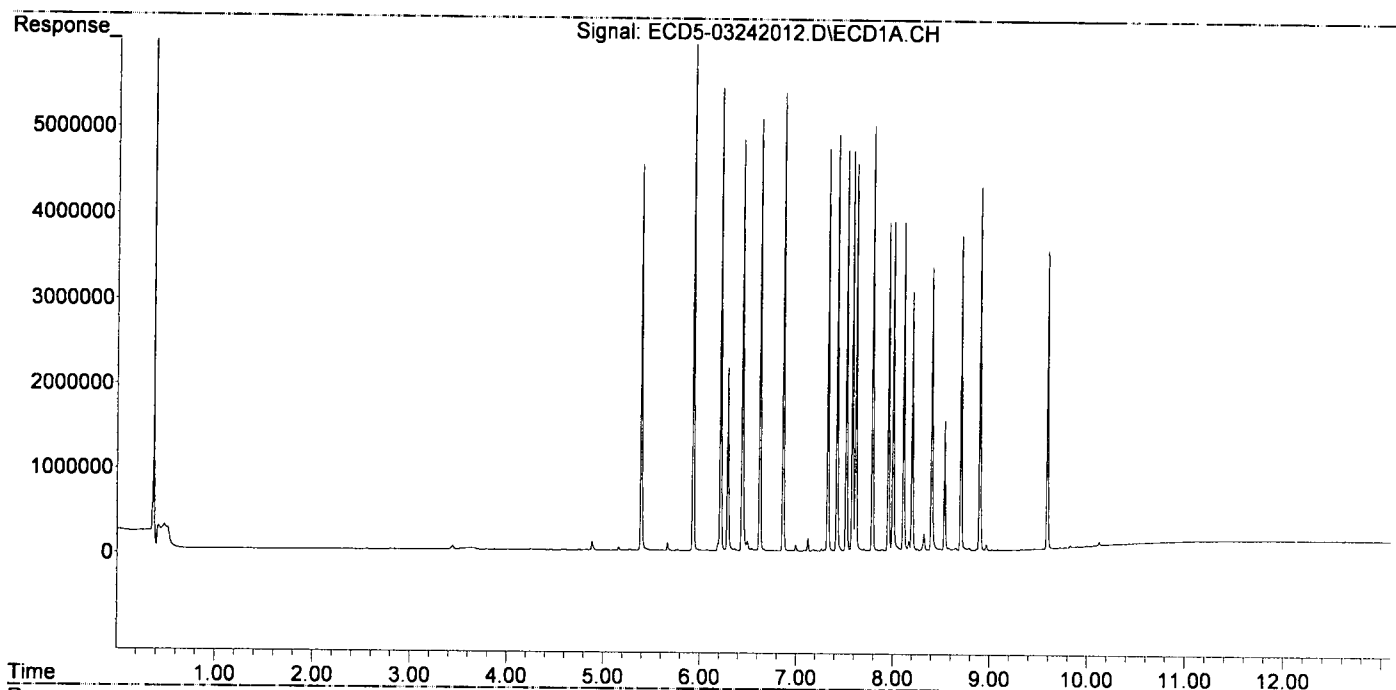
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 4512622 | 6520954 | 23.358 | 22.813 |
| 22) S DCBP (S) | 9.588 | 10.552 | 3497021 | 3867029 | 23.371 | 22.770 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.929 | 6.594 | 6300836 | 9620617 | 23.941 | 23.743 |
| 3) g-BHC | 6.212 | 6.912 | 5406502 | 8241389 | 23.635 | 23.296 |
| 4) b-BHC | 6.288 | 6.976 | 2161452 | 3404701 | 22.593 | 22.693 |
| 5) Heptachlor | 6.621 | 7.287 | 5053266 | 7620334 | 22.682 | 22.737 |
| 6) d-BHC | 6.438 | 7.232 | 4815486 | 7763079 | 24.679 | 23.773 |
| 7) Aldrin | 6.863 | 7.554 | 5344381 | 7846063 | 24.071 | 24.077 |
| 8) Heptachlo... | 7.325 | 7.992 | 4717307 | 6834808 | 23.017 | 22.963 |
| 9) trans-Chl... | 7.419 | 8.132 | 4840892 | 7038270 | 23.222 | 23.233 |
| 10) cis-Chlor... | 7.517 | 8.240 | 4673568 | 6834773 | 22.822 | 23.554 |
| 11) Endosulfa... | 7.615 | 8.291 | 4539125 | 6355160 | 23.478 | 23.389 |
| 12) 4,4'-DDE | 7.578 | 8.346 | 4679040 | 6917688 | 23.738 | 24.159 |
| 13) Dieldrin | 7.787 | 8.492 | 4973639 | 7072067 | 23.410 | 23.771 |
| 14) Endrin | 7.951 | 8.720 | 3854623 | 5127876 | 22.551 | 22.394 |
| 15) 4,4'-DDD | 8.000 | 8.762 | 3831772 | 5545997 | 23.446 | 23.049 |
| 16) Endosulfa... | 8.108 | 8.867 | 3858748 | 5692155 | 23.031 | 23.727 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 3040414 | 4248274 | 23.936 | 24.590 |
| 18) Endrin Al... | 8.399 | 9.104 | 3315527 | 4831046 | 22.651 | 23.226 |
| 19) Endosulfa... | 8.701 | 9.295 | 3693603 | 5149242 | 22.462 | 22.615 |
| 20) Methoxychlor | 8.532 | 9.468 | 1519078 | 2040469 | 22.916 | 23.224 |
| 21) Endrin Ke... | 8.895 | 9.695 | 4268654 | 5671298 | 22.353 | 22.747 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.771 | 6.472 | 12822 | 6911 | 0.057 | 0.019 # |
| 25) Oxychlorthane | 7.260 | 7.955f | 25574 | 12020 | 0.128 | 0.039 # |
| 26) 2,4'-DDE | 7.325 | 8.132 | 4717307 | 7038270 | 30.925 | 29.901 |
| 27) trans-Non... | 7.517 | 8.191 | 4673568 | 28149 | 20.865 | 0.083 # |
| 28) 2,4'-DDD | 7.702 | 8.492 | 23467 | 7072067 | 0.171 | 33.852 # |
| 29) 2,4'-DDT | 7.884 | 8.720 | 13779 | 5127876 | 0.107 | 28.794 # |
| 30) cis-Nonac... | 8.000 | 8.762 | 3831772 | 5545997 | 15.308 | 14.768 |
| 31) Mirex | 8.650 | 9.695 | 31844 | 5671298 | BelowCal | 28.778 |
| 32) Chlordane... | 7.419 | 8.132 | 4840892 | 7038270 | 195.098 | 165.844 |
| 33) Chlordane... | 7.517 | 8.240 | 4673568 | 6834773 | 169.712 | 194.626 |
| 34) Chlordane... | 8.108f | 8.905 | 3858748 | 66373 | 514.919 | 6.165 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.517 | 8.492 | 4673568 | 7072067 | 4407.275 | 2501.106 # |
| 37) Toxaphene... | 7.787 | 0.000 | 4973639 | 0 | 2525.208 | N.D. # |
| 38) Toxaphene... | 8.108 | 8.867 | 3858748 | 5692155 | 960.118 | 991.382 |
| 39) Toxaphene... | 8.320f | 8.945 | 196252 | 37706 | 50.228 | 4.077 # |
| 40) Toxaphene... | 8.574 | 9.104 | 31997 | 4831046 | 10.606 | 952.461 # |
| 41) Toxaphene... | 8.650 | 9.468 | 31844 | 2040469 | 8.075 | 382.009 # |
| 42) Toxaphene... | 3.663f | 0.000 | 17367 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:59
 Operator : MJB
 Sample : 0C24036-CAL7
 Misc : A20C183, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:47:43 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

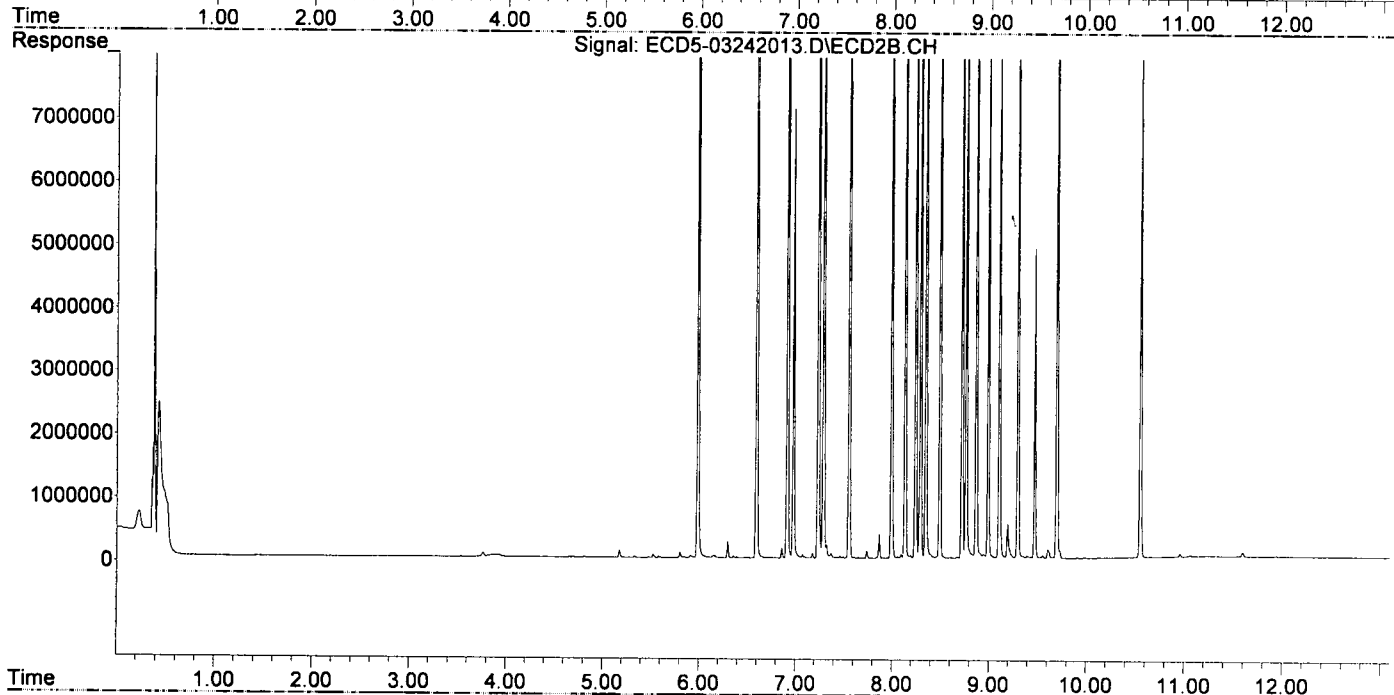
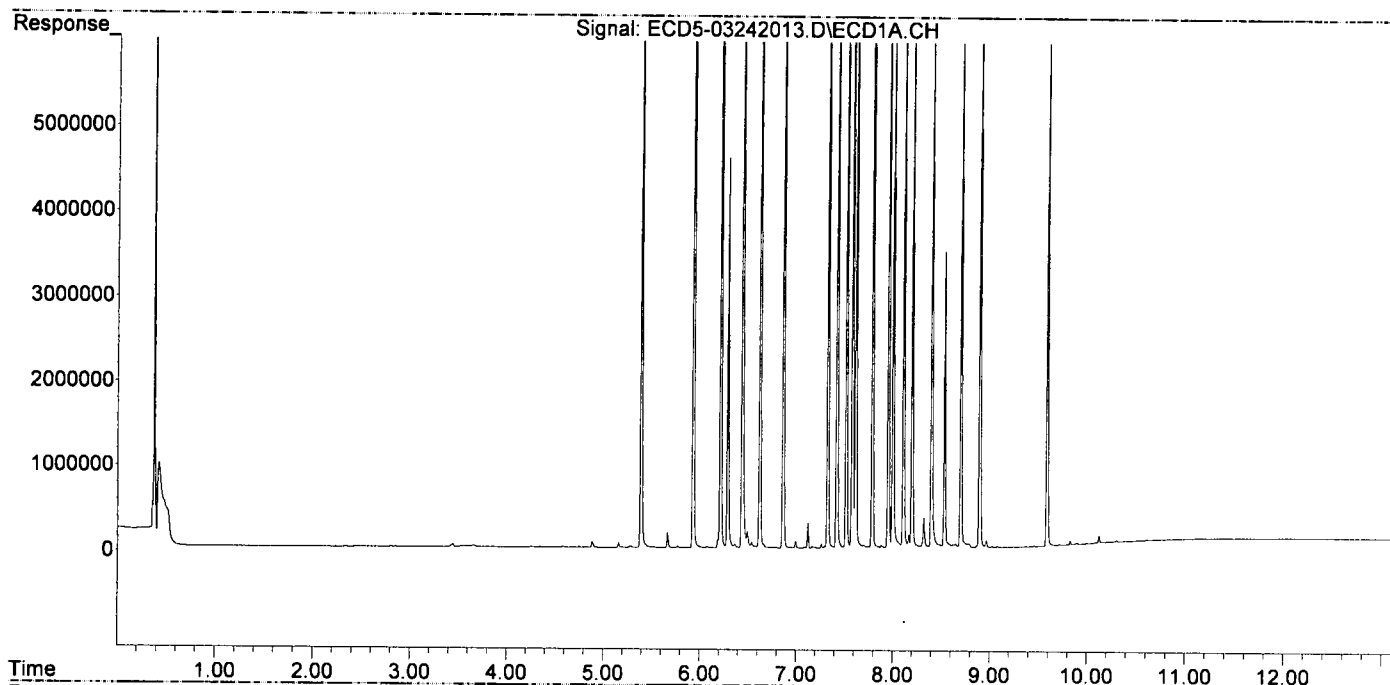
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 9241615 | 14017788 | 47.836 | 49.039 |
| 22) S DCBP (S) | 9.588 | 10.552 | 7476041 | 8231591 | 50.142 | 48.470 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 13114161 | 20918784 | 49.829 | 51.625 |
| 3) g-BHC | 6.213 | 6.913 | 11377125 | 18216369 | 49.737 | 51.493 |
| 4) b-BHC | 6.288 | 6.976 | 4558073 | 7084389 | 47.644 | 47.219 |
| 5) Heptachlor | 6.622 | 7.288 | 10846684 | 16951882 | 48.687 | 50.581 |
| 6) d-BHC | 6.438 | 7.232 | 9993782 | 16615642 | 51.217 | 50.882 |
| 7) Aldrin | 6.863 | 7.554 | 10890711 | 16771407 | 49.052 | 51.465 |
| 8) Heptachlo... | 7.325 | 7.992 | 9785678 | 14878805 | 47.747 | 49.988 |
| 9) trans-Chl... | 7.419 | 8.132 | 10175152 | 15299535 | 48.811 | 50.502 |
| 10) cis-Chlor... | 7.516 | 8.241 | 9884511 | 14093207 | 48.268 | 48.568 |
| 11) Endosulfa... | 7.614 | 8.291 | 9377081 | 13891933 | 48.501 | 51.127 |
| 12) 4,4'-DDE | 7.577 | 8.346 | 9875598 | 14809734 | 50.102 | 51.721 |
| 13) Dieldrin | 7.786 | 8.492 | 10681004 | 15366274 | 50.273 | 51.649 |
| 14) Endrin | 7.951 | 8.719 | 8540081 | 11711561 | 49.962 | 51.146 |
| 15) 4,4'-DDD | 7.999 | 8.762 | 7886558 | 12274757 | 48.256 | 51.014 |
| 16) Endosulfa... | 8.108 | 8.866 | 8018318 | 11889800 | 47.857 | 49.561 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 7151642 | 10176781 | 53.629 | 54.181 |
| 18) Endrin Al... | 8.399 | 9.104 | 7114178 | 10138175 | 48.603 | 48.740 |
| 19) Endosulfa... | 8.701 | 9.294 | 7962851 | 11454958 | 48.425 | 50.308 |
| 20) Methoxychlor | 8.532 | 9.468 | 3473614 | 4887200 | 51.011 | 52.354 |
| 21) Endrin Ke... | 8.895 | 9.695 | 9095515 | 12547342 | 47.628 | 50.326 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.772 | 6.473 | 21526 | 6248 | 0.096 | 0.017 # |
| 25) Oxychlorane | 7.260 | 7.955f | 52043 | 12623 | 0.260 | 0.041 # |
| 26) 2,4'-DDE | 7.325 | 8.132 | 9785678 | 15299535 | 64.152 | 64.997 |
| 27) trans-Non... | 7.516 | 8.193 | 9884511 | 49267 | 44.129 | 0.145 # |
| 28) 2,4'-DDD | 7.701 | 8.492 | 34383 | 15366274 | 0.251 | 73.555 # |
| 29) 2,4'-DDT | 7.882 | 8.719 | 31600 | 11711561 | 0.244 | 60.966 # |
| 30) cis-Nonac... | 7.999 | 8.762 | 7886558 | 12274757 | 31.507 | 32.685 |
| 31) Mirex | 8.649 | 9.695 | 43996 | 12547342 | 0.085 | 61.946 # |
| 32) Chlordane... | 7.419 | 8.132 | 10175152 | 15299535 | 410.081 | 360.505 |
| 33) Chlordane... | 7.516 | 8.241 | 9884511 | 14093207 | 358.938 | 401.316 |
| 34) Chlordane... | 8.108f | 8.946f | 8018318 | 61495 | 1069.981 | 5.712 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.516 | 8.492 | 9884511 | 15366274 | 9321.306 | 5434.433 # |
| 37) Toxaphene... | 7.786 | 0.000 | 10681004 | 0 | 5422.942 | N.D. # |
| 38) Toxaphene... | 8.108 | 8.866 | 8018318 | 11889800 | 1995.085 | 2070.803 |
| 39) Toxaphene... | 8.320f | 8.946 | 343957 | 61495 | 88.031 | 6.650 # |
| 40) Toxaphene... | 8.618f | 9.104 | 32908 | 10138175 | 10.909 | 1998.784 # |
| 41) Toxaphene... | 8.649 | 9.468 | 43996 | 4887200 | 11.156 | 914.963 # |
| 42) Toxaphene... | 3.662f | 0.000 | 16263 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:43 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 16:16
 Operator : MJB
 Sample : 0C24036-CAL8
 Misc : A20C184, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:47:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

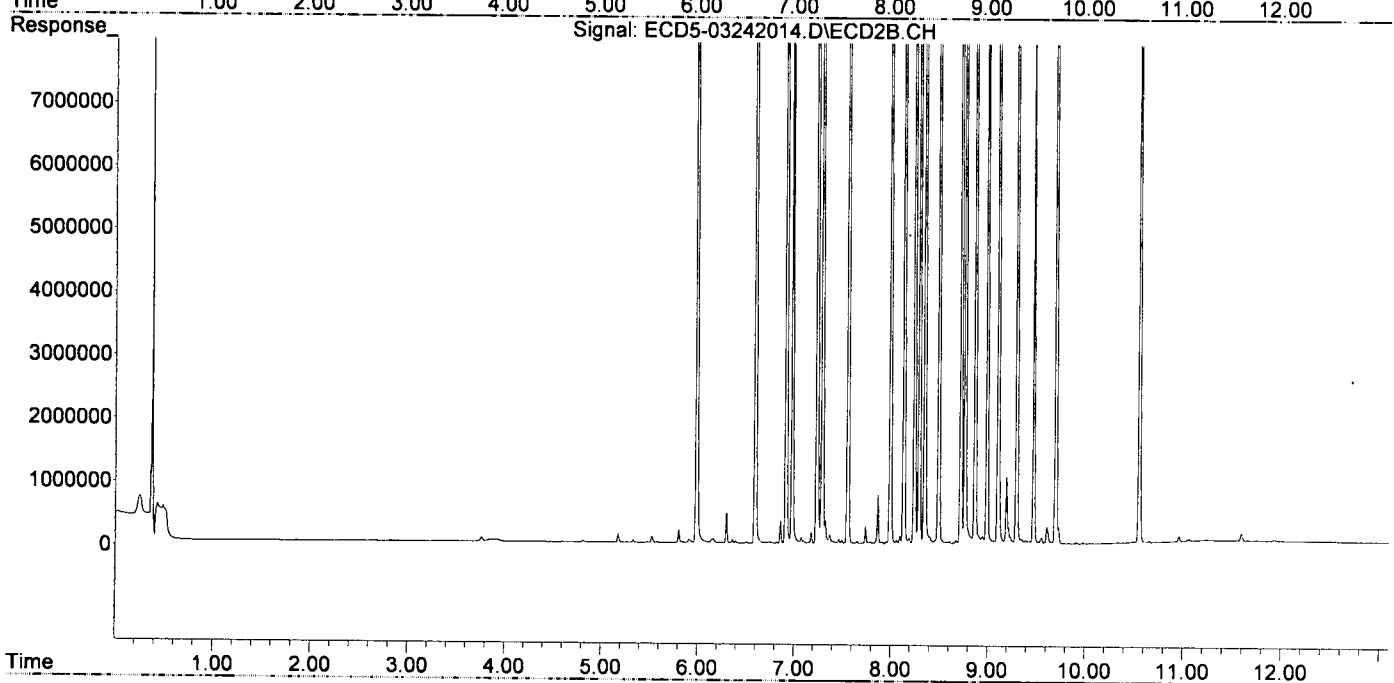
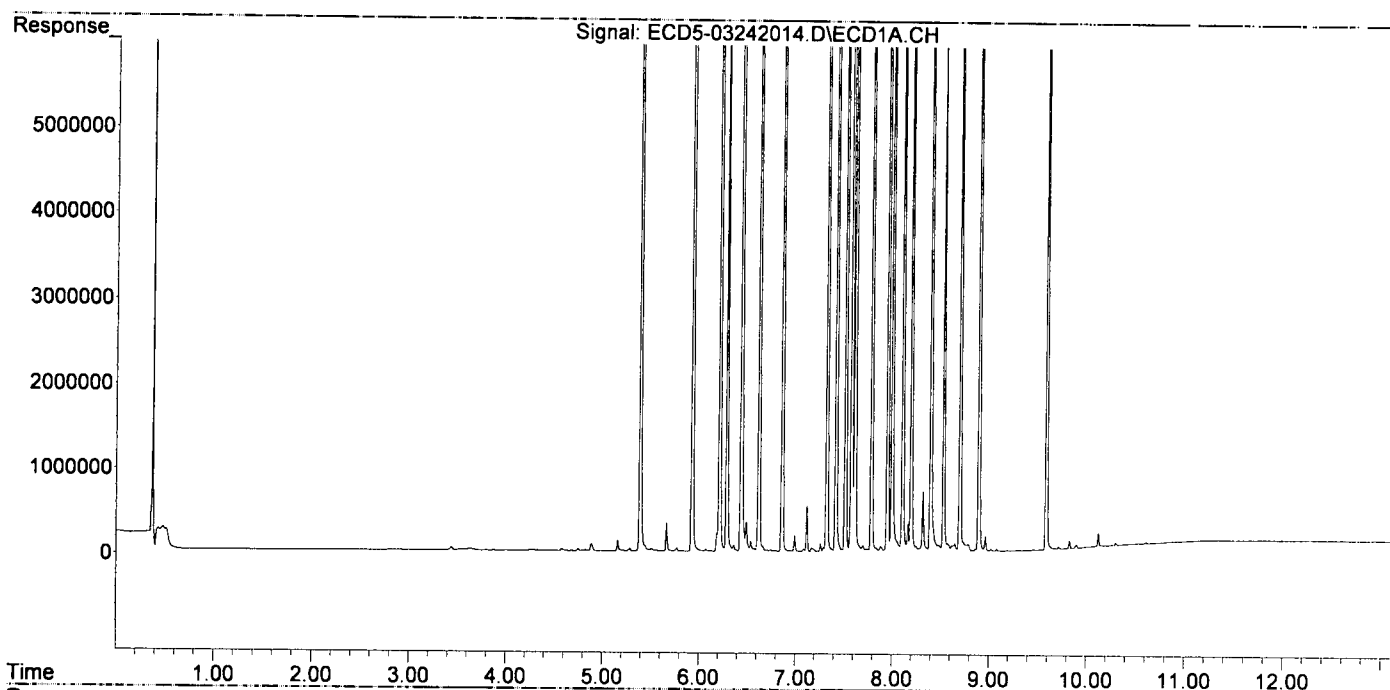
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 18354469 | 29363025 | 95.005 | 102.722 |
| 22) S DCBP (S) | 9.589 | 10.552 | 14317616 | 16982193 | 96.114 | 99.996 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 25791911 | 43878049 | 97.999 | 108.286 |
| 3) g-BHC | 6.213 | 6.913 | 22728601 | 37817395 | 99.362 | 106.900 |
| 4) b-BHC | 6.287 | 6.976 | 9186029 | 14734350 | 96.018 | 98.207 |
| 5) Heptachlor | 6.621 | 7.287 | 21522215 | 34641316 | 96.606 | 103.362 |
| 6) d-BHC | 6.436 | 7.232 | 20816304 | 36321392 | 106.682 | 111.227 |
| 7) Aldrin | 6.862 | 7.554 | 21764216 | 34947753 | 98.027 | 107.242 |
| 8) Heptachlo... | 7.324 | 7.993 | 19379985 | 30454129 | 94.560 | 102.316 |
| 9) trans-Chl... | 7.419 | 8.132 | 20337337 | 31903979 | 97.559 | 105.311 |
| 10) cis-Chlor... | 7.516 | 8.241 | 19434367 | 30047171 | 94.901 | 103.549 |
| 11) Endosulfa... | 7.614 | 8.291 | 18202863 | 28261213 | 94.150 | 104.010 |
| 12) 4,4'-DDE | 7.577 | 8.347 | 19819998 | 31108086 | 100.553 | 108.640 |
| 13) Dieldrin | 7.786 | 8.492 | 20834509 | 31817724 | 98.063 | 106.946 |
| 14) Endrin | 7.951 | 8.720 | 16932423 | 24210638 | 99.061 | 105.732 |
| 15) 4,4'-DDD | 7.998 | 8.763 | 16376482 | 25268850 | 100.205 | 105.018 |
| 16) Endosulfa... | 8.108 | 8.867 | 16370864 | 25393438 | 97.709 | 105.850 |
| 17) 4,4'-DDT | 8.196 | 8.989 | 14142106 | 21320006 | 98.857 | 100.865 |
| 18) Endrin Al... | 8.398 | 9.104 | 13795821 | 20401144 | 94.252 | 98.081 |
| 19) Endosulfa... | 8.700 | 9.295 | 15427222 | 22833485 | 93.819 | 100.281 |
| 20) Methoxychlor | 8.531 | 9.468 | 6822606 | 9955852 | 95.699 | 97.545 |
| 21) Endrin Ke... | 8.895 | 9.695 | 17693391 | 25794308 | 92.651 | 103.459 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.771 | 6.470 | 44085 | 8340 | 0.196 | 0.023 # |
| 25) Oxychlorthane | 7.259 | 7.915 | 94571 | 21464 | 0.472 | 0.070 # |
| 26) 2,4'-DDE | 7.324 | 8.132 | 19379985 | 31903979 | 127.049 | 135.538 |
| 27) trans-Non... | 7.516 | 8.192 | 19434367 | 85978 | 86.763 | 0.253 # |
| 28) 2,4'-DDD | 7.701 | 8.529 | 68211 | 59637 | 0.498 | 0.285 # |
| 29) 2,4'-DDT | 7.882 | 8.720 | 59965 | 24210638 | 0.464 | 112.834 # |
| 30) cis-Nonac... | 7.998 | 8.763 | 16376482 | 25268850 | 65.424 | 67.285 |
| 31) Mirex | 8.649 | 9.695 | 88252 | 25794308 | 0.399 | 121.057 # |
| 32) Chlordane... | 7.419 | 8.132 | 20337337 | 31903979 | 819.638 | 751.758 |
| 33) Chlordane... | 7.516 | 8.241 | 19434367 | 30047171 | 705.724 | 855.618 |
| 34) Chlordane... | 8.108f | 8.946f | 16370864 | 114739 | 2184.562 | 10.657 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.516 | 8.492 | 19434367 | 31817724 | 18327.025 | 11252.650 # |
| 37) Toxaphene... | 7.786 | 0.000 | 20834509 | 0 | 10578.063 | N.D. # |
| 38) Toxaphene... | 8.108 | 8.867 | 16370864 | 25393438 | 4073.331 | 4422.683 |
| 39) Toxaphene... | 8.319f | 8.946 | 706561 | 114739 | 180.835 | 12.407 # |
| 40) Toxaphene... | 8.574 | 9.104 | 93613 | 20401144 | 31.031 | 4022.171 # |
| 41) Toxaphene... | 8.649 | 9.468 | 88252 | 9955852 | 22.378 | 1863.896 # |
| 42) Toxaphene... | 3.661f | 0.000 | 16509 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 16:33
 Operator : MJB
 Sample : 0C24036-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:48:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

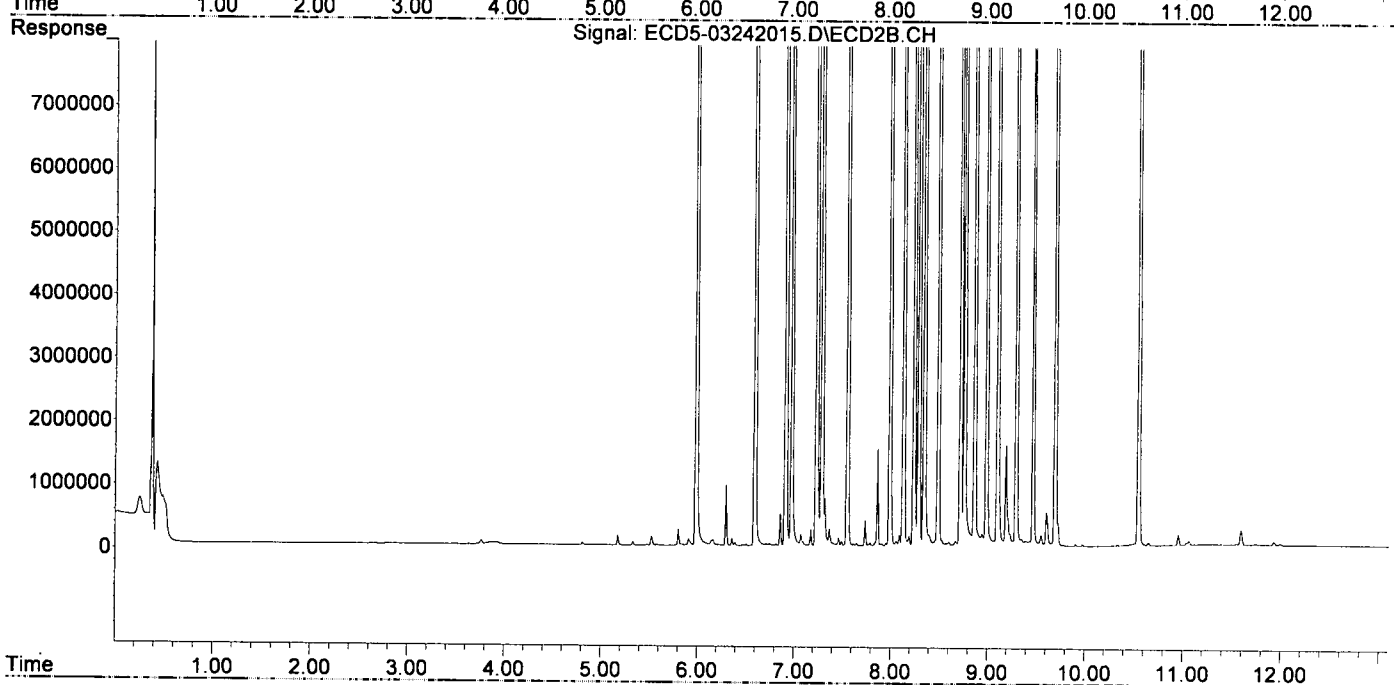
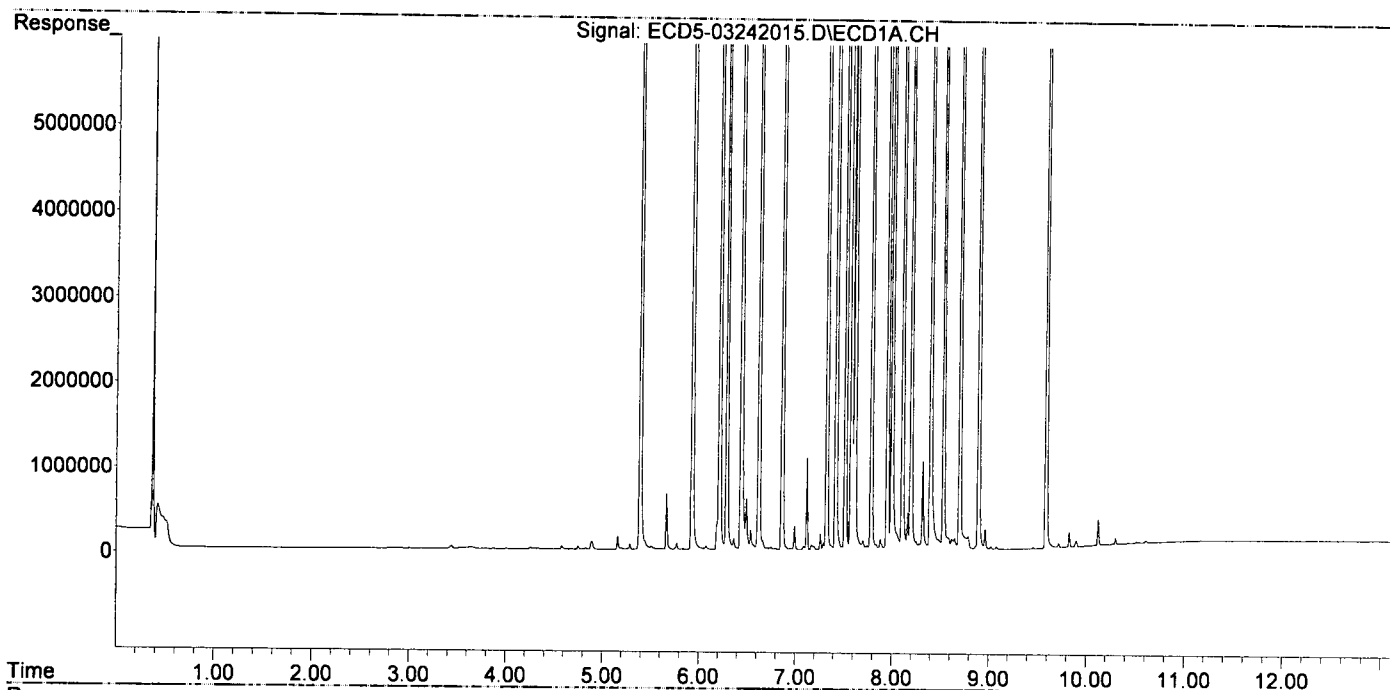
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 37287793 | 62652252 | 193.006 | 219.180 |
| 22) S DCBP (S) | 9.588 | 10.552 | 30603888 | 37646124 | 205.253 | 221.671 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.595 | 53574714 | 95080996 | 203.563 | 234.650 |
| 3) g-BHC | 6.213 | 6.913 | 45788993 | 80123150 | 200.175 | 226.487 |
| 4) b-BHC | 6.287 | 6.976 | 19246743 | 31639561 | 201.179 | 210.883 |
| 5) Heptachlor | 6.622 | 7.288 | 44770359 | 74849628 | 200.959 | 223.334 |
| 6) d-BHC | 6.437 | 7.232 | 44077896 | 78530101 | 225.896 | 240.483 |
| 7) Aldrin | 6.863 | 7.554 | 43391772 | 73074265 | 195.438 | 224.238 |
| 8) Heptachlo... | 7.324 | 7.993 | 40218545 | 65529406 | 196.237 | 220.158 |
| 9) trans-Chl... | 7.418 | 8.132 | 41148096 | 67423876 | 197.390 | 222.559 |
| 10) cis-Chlor... | 7.516 | 8.241 | 40151651 | 63539129 | 196.067 | 218.970 |
| 11) Endosulfa... | 7.614 | 8.291 | 37977688 | 60399349 | 196.431 | 222.288 |
| 12) 4,4'-DDE | 7.577 | 8.347 | 41977826 | 67276188 | 212.966 | 234.951 |
| 13) Dieldrin | 7.786 | 8.492 | 41790341 | 67824542 | 196.696 | 227.972 |
| 14) Endrin | 7.951 | 8.720 | 35813409 | 54001572 | 209.521 | 235.833 |
| 15) 4,4'-DDD | 7.998 | 8.763 | 34856254 | 56579001 | 213.279 | 235.143 |
| 16) Endosulfa... | 8.107 | 8.867 | 34456245 | 55386082 | 205.652 | 230.871 |
| 17) 4,4'-DDT | 8.196 | 8.989 | 32760341 | 51243602 | 199.055 | 197.210 |
| 18) Endrin Al... | 8.398 | 9.103 | 29700843 | 45235475 | 202.913 | 217.475 |
| 19) Endosulfa... | 8.700 | 9.294 | 32519969 | 51902037 | 197.768 | 227.946 |
| 20) Methoxychlor | 8.531 | 9.468 | 16176865 | 24593885 | 204.156 | 201.296 |
| 21) Endrin Ke... | 8.895 | 9.695 | 38148403 | 58217622 | 199.762 | 233.506 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 5.771 | 6.470 | 79978 | 6954 | 0.355 | 0.019 # |
| 25) Oxychlorthane | 7.259 | 7.916 | 180365 | 28874 | 0.901 | 0.094 # |
| 26) 2,4'-DDE | 7.324 | 8.132 | 40218545 | 67423876 | 263.660 | 286.437 |
| 27) trans-Non... | 7.516 | 8.192 | 40151651 | 149124 | 179.254 | 0.438 # |
| 28) 2,4'-DDD | 7.700 | 8.492 | 106569 | 67824542 | 0.778 | 324.659 # |
| 29) 2,4'-DDT | 7.880 | 8.720 | 117798 | 54001572 | 0.911 | 210.328 # |
| 30) cis-Nonac... | 7.998 | 8.763 | 34856254 | 56579001 | 139.250 | 150.656 |
| 31) Mirex | 8.648 | 9.695 | 130745 | 58217622 | 0.701 | 246.854 # |
| 32) Chlordane... | 7.418 | 8.132 | 41148096 | 67423876 | 1658.357 | 1588.718 |
| 33) Chlordane... | 7.516 | 8.241 | 40151651 | 63539129 | 1458.035 | 1809.330 |
| 34) Chlordane... | 8.107f | 8.945f | 34456245 | 187017 | 4597.912 | 17.370 # |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 36) Toxaphene... | 7.516 | 8.492 | 40151651 | 67824542 | 37863.869 | 23986.814 # |
| 37) Toxaphene... | 7.786 | 0.000 | 41790341 | 0 | 21217.724 | N.D. # |
| 38) Toxaphene... | 8.107 | 8.867 | 34456245 | 55386082 | 8573.260 | 9646.393 |
| 39) Toxaphene... | 8.318f | 8.945 | 1031681 | 187017 | 264.045 | 20.223 # |
| 40) Toxaphene... | 8.617f | 9.103 | 117559 | 45235475 | 38.969 | 8918.363 # |
| 41) Toxaphene... | 8.648 | 9.468 | 130745 | 24593885 | 33.153 | 4604.373 # |
| 42) Toxaphene... | 3.662f | 0.000 | 15488 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:48:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:24
 Operator : MJB
 Sample : 0C24036-CALA
 Misc : A20C399, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJP
3/25/20

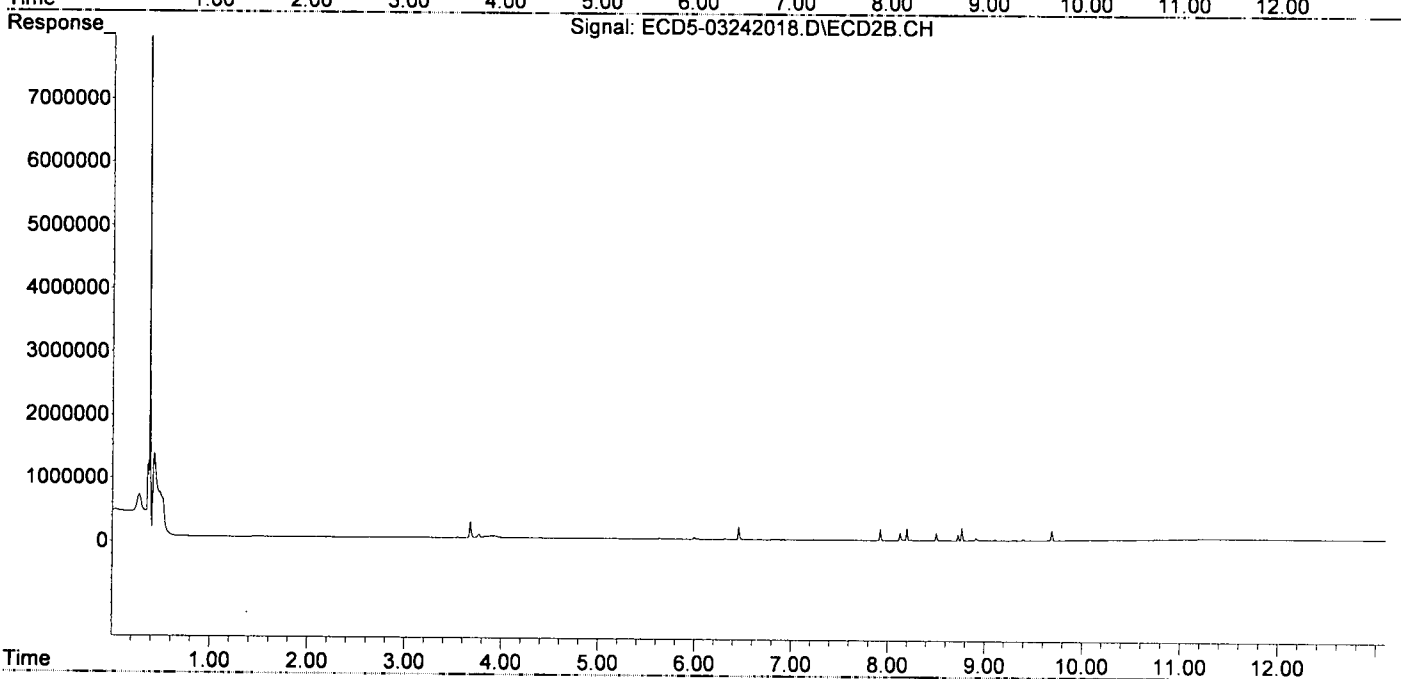
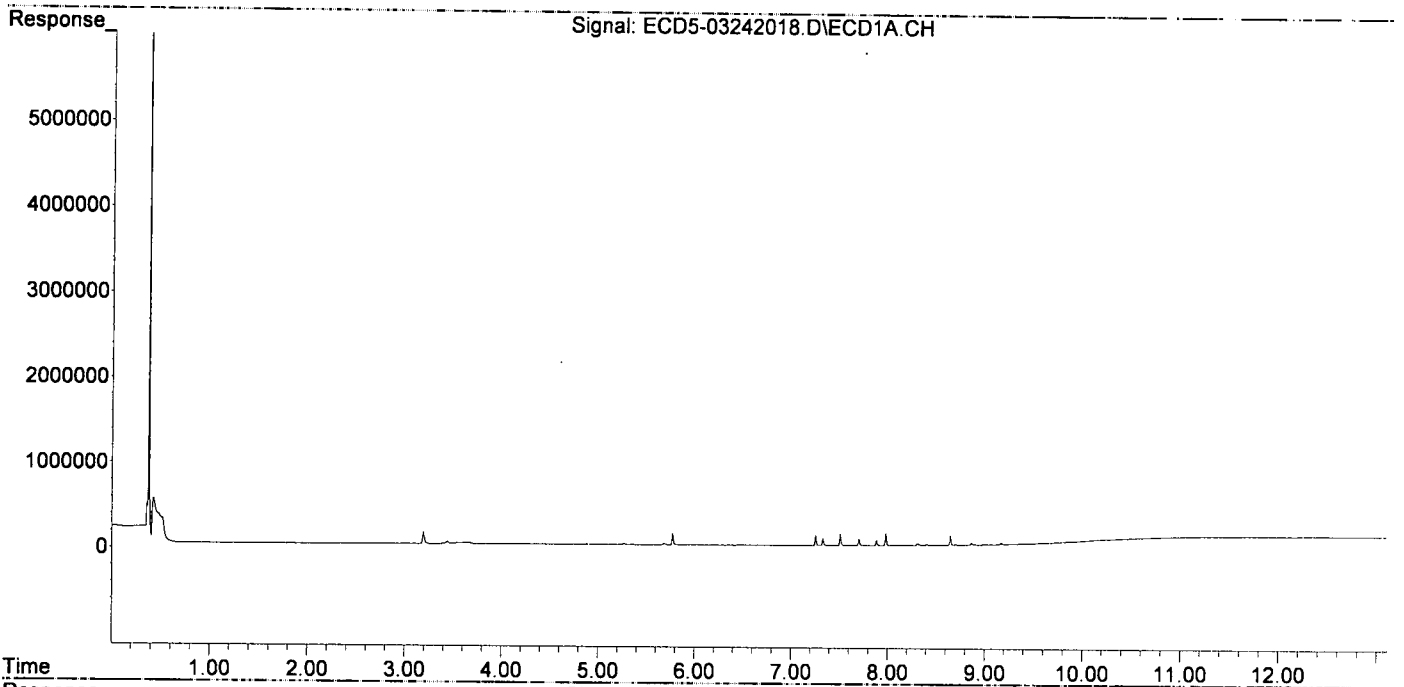
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|-----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.364f | 5.995 | 2173 | 30249 | 0.011 | 0.106 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 6.443 | 7.235 | 3823 | 7635 | 0.020 | 0.023 |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.330 | 0.000 | 83210 | 0 | 0.406 | N.D. # |
| 9) trans-Chl... | 7.421 | 8.127 | 3592 | 124973 | 0.017 | 0.413 # |
| 10) cis-Chlor... | 7.510 | 8.241 | 138714 | 12023 | 0.677 | 0.041 # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.749f | 8.500 | 4313 | 121076 | 0.020 | 0.407 # |
| 14) Endrin | 7.981f | 8.725 | 143310 | 93729 | 0.838 | 0.409 # |
| 15) 4,4'-DDD | 7.981 | 8.764 | 143310 | 200734 | 0.877 | 0.834 |
| 16) Endosulfa... | 8.112 | 8.869 | 4024 | 5634 | 0.024 | 0.023 |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.403 | 9.105 | 12369 | 16950 | 0.085 | 0.081 |
| 19) Endosulfa... | 8.704 | 9.296 | 10287 | 14948 | 0.063 | 0.066 |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.897 | 9.688 | 5338 | 155731 | 0.028 | 0.625 # |
| 23) Hexachlor... | 3.192 | 3.675 | 138995 | 251522 | 0.475 | 0.480 |
| 24) Hexachlor... | 5.773 | 6.455 | 135442 | 201955 | 0.473 | 0.487 |
| 25) Oxychlorane | 7.254 | 7.923 | 123441 | 180540 | 0.474 | 0.475 |
| 26) 2,4'-DDE | 7.330 | 8.127 | 83210 | 124973 | 0.478 | 0.476 |
| 27) trans-Non... | 7.510 | 8.197 | 138714 | 194733 | 0.481 | 0.477 |
| 28) 2,4'-DDD | 7.704 | 8.500 | 79625 | 121076 | 0.471 | 0.475 |
| 29) 2,4'-DDT | 7.885 | 8.725 | 67791 | 93729 | 0.481 | 0.488 |
| 30) cis-Nonac... | 7.981 | 8.764 | 143310 | 200734 | 0.479 | 0.483 |
| 31) Mirex | 8.647 | 9.688 | 112691 | 155731 | 0.460 | 0.475 |
| 32) Chlordane... | 7.421 | 8.127 | 3592 | 124973 | 0.154 | 3.172 # |
| 33) Chlordane... | 7.510 | 8.241 | 138714 | 12023 | 5.224 | 0.367 # |
| 34) Chlordane... | 0.000 | 8.910 | 0 | 38083 | N.D. | 3.722 # |
| 35) Chlordane... | 3.667f | 3.675 | 13895 | 251522 | NoCal | NoCal |
| 36) Toxaphene... | 7.510 | 8.500f | 138714 | 121076 | 133.482 | 43.051 # |
| 37) Toxaphene... | 7.749f | 0.000 | 4313 | 0 | 16729.360 | N.D. # |
| 38) Toxaphene... | 8.112 | 8.869 | 4024 | 5634 | 0.987 | 1.009 |
| 39) Toxaphene... | 8.310f | 8.910 | 21653 | 38083 | 5.512 | 0.331 # |
| 40) Toxaphene... | 0.000 | 9.105 | 0 | 16950 | N.D. | 3.430 # |
| 41) Toxaphene... | 8.647 | 0.000 | 112691 | 0 | 28.133 | N.D. # |
| 42) Toxaphene... | 3.667f | 3.675 | 13895 | 251522 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:42
 Operator : MJB
 Sample : 0C24036-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

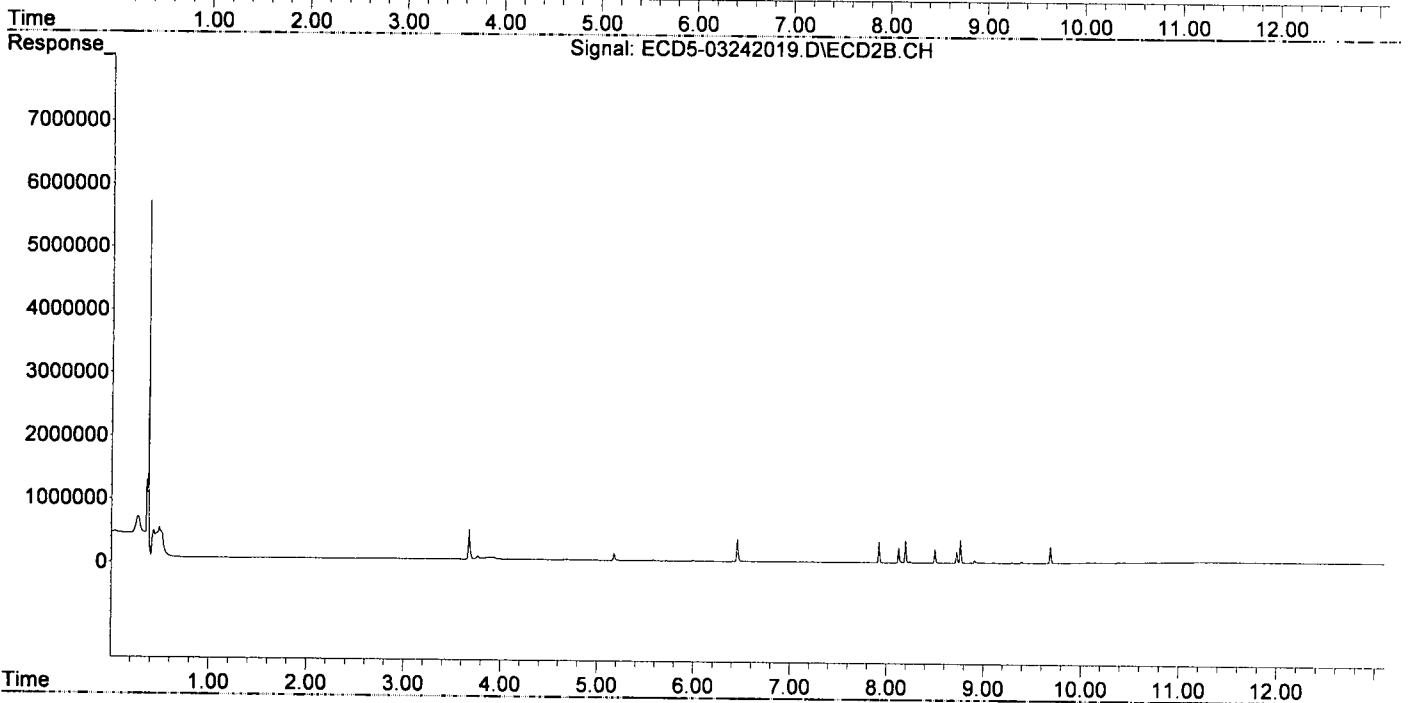
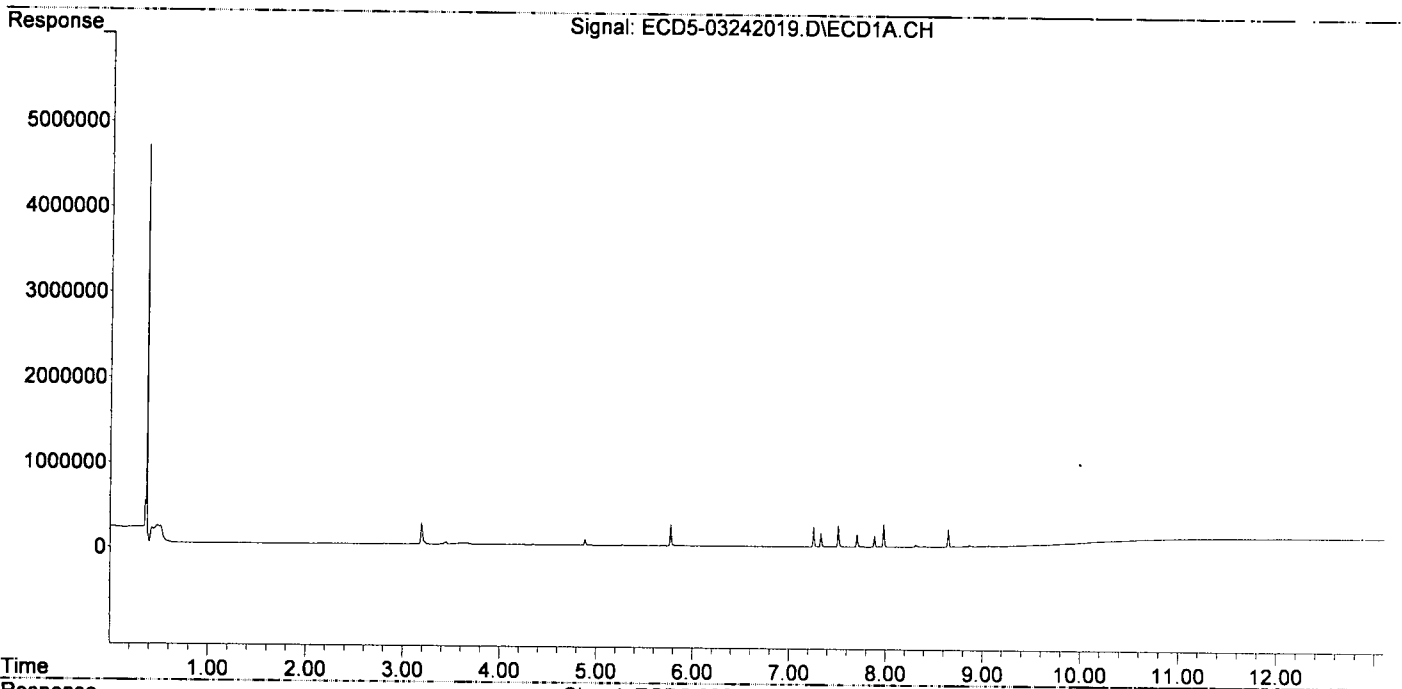
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|---------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.362f | 5.993 | 4420 | 12884 | 0.023 | 0.045 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 7.232 | 0 | 5584 | N.D. | 0.017 # |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.328 | 0.000 | 156744 | 0 | 0.765 | N.D. # |
| 9) trans-Chl... | 7.418 | 8.124 | 5340 | 238501 | 0.026 | 0.787 # |
| 10) cis-Chlor... | 7.508 | 8.239 | 250677 | 22565 | 1.224 | 0.078 # |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.747f | 8.498 | 8047 | 222099 | 0.038 | 0.747 # |
| 14) Endrin | 7.978f | 8.723 | 268101 | 174701 | 1.568 | 0.763 # |
| 15) 4,4'-DDD | 7.978f | 8.761 | 268101 | 371890 | 1.640 | 1.546 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.400 | 9.103 | 7859 | 10352 | 0.054 | 0.050 |
| 19) Endosulfa... | 8.702 | 9.294 | 6944 | 9551 | 0.042 | 0.042 |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.895 | 9.686 | 3701 | 260806 | 0.019 | 1.046 # |
| 23) Hexachlor... | 3.191 | 3.673 | 252963 | 464249 | 1.083 | 1.073 # |
| 24) Hexachlor... | 5.771 | 6.453 | 248838 | 360738 | 1.102 | 1.062 |
| 25) Oxychlorthane | 7.252 | 7.920 | 228603 | 334034 | 1.098 | 1.107 |
| 26) 2,4'-DDE | 7.328 | 8.124 | 156744 | 238501 | 1.089 | 1.103 |
| 27) trans-Non... | 7.508 | 8.194 | 250677 | 360386 | 1.078 | 1.088 |
| 28) 2,4'-DDD | 7.701 | 8.498 | 148717 | 222099 | 1.123 | 1.103 |
| 29) 2,4'-DDT | 7.883 | 8.723 | 129911 | 174701 | 1.107 | 1.070 |
| 30) cis-Nonac... | 7.978 | 8.761 | 268101 | 371890 | 1.097 | 1.077 |
| 31) Mirex | 8.645 | 9.686 | 203027 | 260806 | 1.150 | 1.097 |
| 32) Chlordane... | 7.418 | 8.124 | 5340 | 238501 | 0.229 | 6.053 # |
| 33) Chlordane... | 7.508 | 8.239 | 250677 | 22565 | 9.441 | 0.689 # |
| 34) Chlordane... | 0.000 | 8.907 | 0 | 38160 | N.D. | 3.729 # |
| 35) Chlordane... | 3.664f | 3.673 | 13440 | 464249 | NoCal | NoCal |
| 36) Toxaphene... | 7.508 | 8.498f | 250677 | 222099 | 241.223 | 78.972 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.309f | 8.907 | 22758 | 38160 | 5.794 | 0.341 # |
| 40) Toxaphene... | 0.000 | 9.103 | 0 | 10352 | N.D. | 2.095 # |
| 41) Toxaphene... | 8.645 | 0.000 | 203027 | 0 | 50.685 | N.D. # |
| 42) Toxaphene... | 3.664f | 3.673 | 13440 | 464249 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:31
 Operator : MJB
 Sample : 0C24036-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:57:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

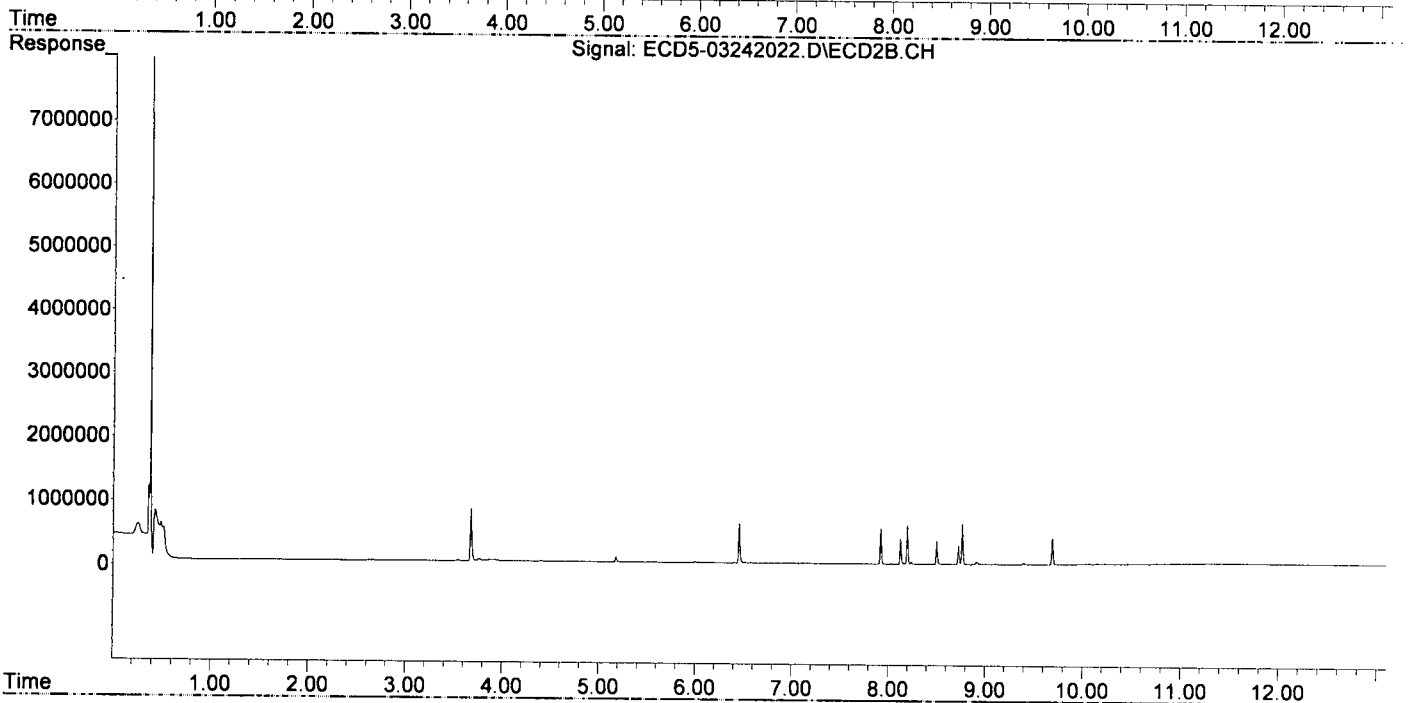
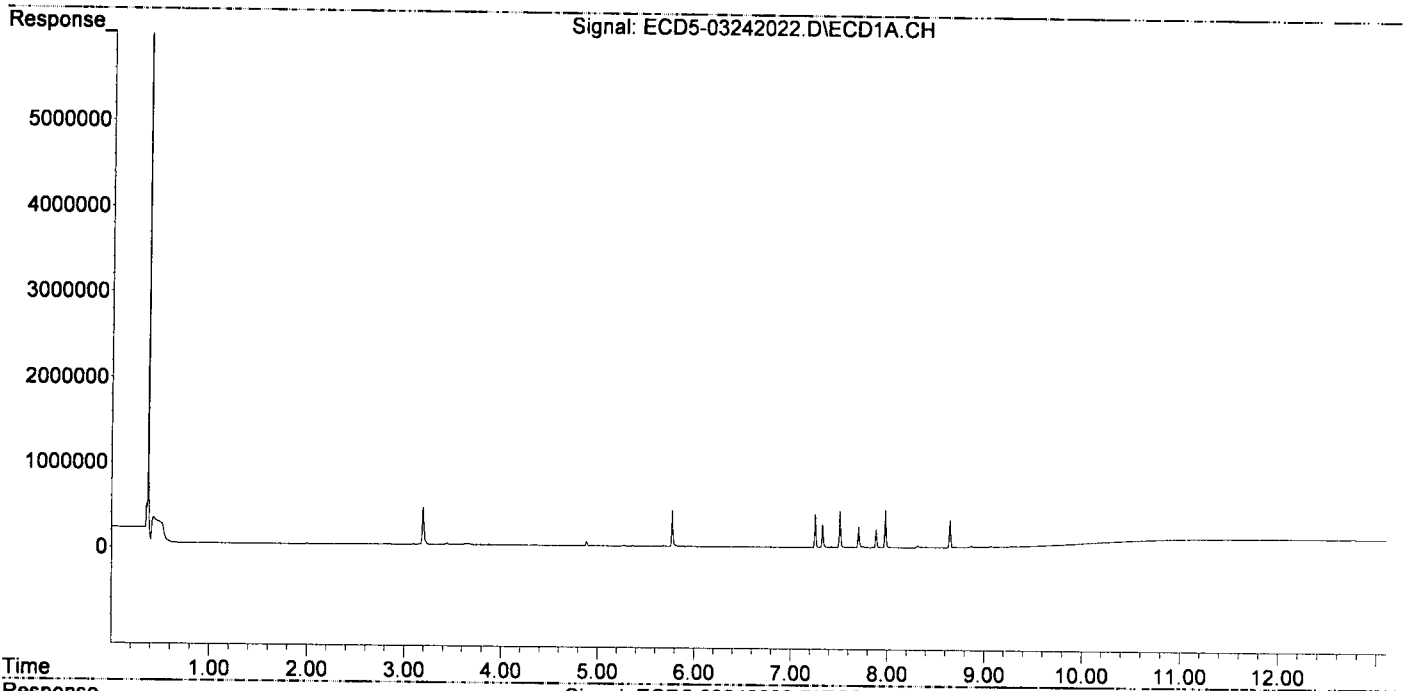
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|---------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.362f | 5.993 | 8022 | 14770 | 0.042 | 0.052 |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.329 | 0.000 | 267207 | 0 | 1.304 | N.D. # |
| 9) trans-Chl... | 7.420 | 8.125 | 7871 | 397498 | 0.038 | 1.312 # |
| 10) cis-Chlor... | 7.508 | 8.239 | 423056 | 35651 | 2.066 | 0.123 # |
| 11) Endosulfa... | 7.618 | 0.000 | 2441 | 0 | 0.013 | N.D. # |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 13) Dieldrin | 7.747f | 8.498 | 14187 | 366090 | 0.067 | 1.231 # |
| 14) Endrin | 7.979f | 8.723 | 442808 | 293188 | 2.591 | 1.280 # |
| 15) 4,4'-DDD | 7.979f | 8.761 | 442808 | 633230 | 2.709 | 2.632 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.401 | 0.000 | 4265 | 0 | 0.029 | N.D. # |
| 19) Endosulfa... | 8.702 | 0.000 | 3683 | 0 | 0.022 | N.D. # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.864f | 9.686 | 19367 | 416537 | 0.101 | 1.671 # |
| 23) Hexachlor... | 3.191 | 3.673 | 439567 | 807666 | 2.079 | 2.031 |
| 24) Hexachlor... | 5.771 | 6.452 | 419155 | 612934 | 2.046 | 1.974 |
| 25) Oxychlorthane | 7.253 | 7.920 | 386790 | 549047 | 2.035 | 1.991 |
| 26) 2,4'-DDE | 7.329 | 8.125 | 267207 | 397498 | 2.006 | 1.980 |
| 27) trans-Non... | 7.508 | 8.194 | 423056 | 615457 | 1.997 | 2.026 |
| 28) 2,4'-DDD | 7.702 | 8.498 | 239865 | 366090 | 1.983 | 1.996 |
| 29) 2,4'-DDT | 7.882 | 8.723 | 208673 | 293188 | 1.899 | 1.918 |
| 30) cis-Nonac... | 7.979 | 8.761 | 442808 | 633230 | 1.962 | 1.982 |
| 31) Mirex | 8.646 | 9.686 | 323334 | 416537 | 2.069 | 2.019 |
| 32) Chlordane... | 7.420 | 8.125 | 7871 | 397498 | 0.337 | 10.088 # |
| 33) Chlordane... | 7.508 | 8.239 | 423056 | 35651 | 15.933 | 1.089 # |
| 34) Chlordane... | 0.000 | 8.908 | 0 | 37709 | N.D. | 3.685 # |
| 35) Chlordane... | 3.667f | 3.673 | 10408 | 807666 | NoCal | NoCal |
| 36) Toxaphene... | 7.508 | 8.498f | 423056 | 366090 | 407.101 | 130.171 # |
| 37) Toxaphene... | 7.747f | 0.000 | 14187 | 0 | 5.110 | N.D. # |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.310f | 8.908 | 21851 | 37709 | 5.563 | 0.285 # |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 41) Toxaphene... | 8.646 | 0.000 | 323334 | 0 | 80.719 | N.D. # |
| 42) Toxaphene... | 3.667f | 3.673 | 10408 | 807666 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:31
Operator : MJB
Sample : 0C24036-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:48
 Operator : MJB
 Sample : 0C24036-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MB
3/25/20*

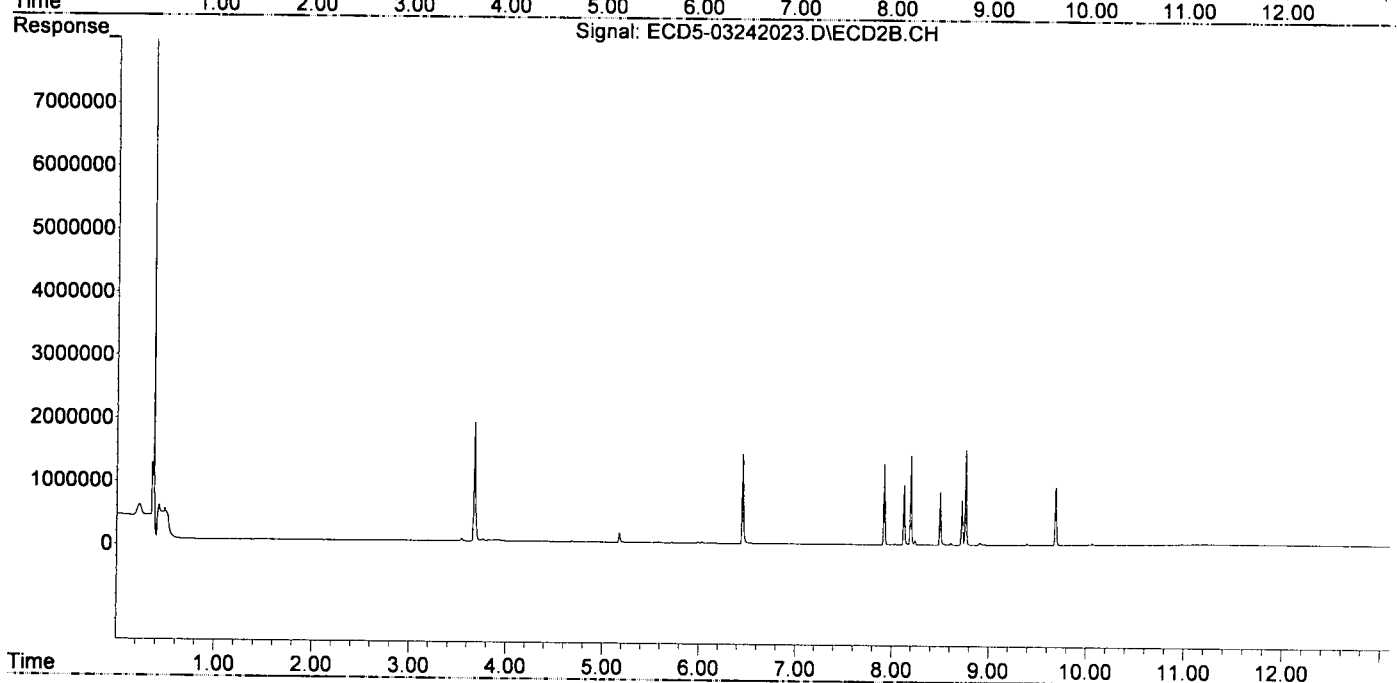
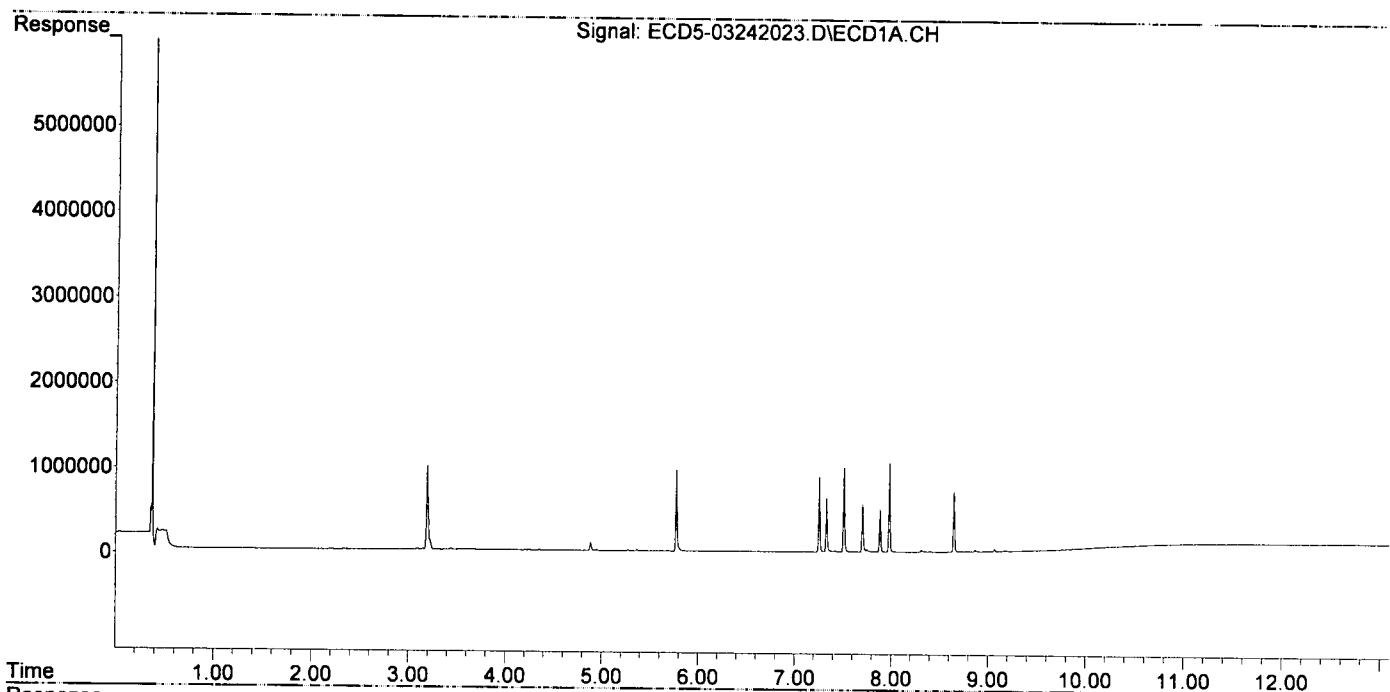
| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------------|--------|--------|---------|---------|---------|-----------|
| System Monitoring Compounds | | | | | | | |
| 1) | S TCMX (S) | 5.363f | 5.993 | 17479 | 15876 | 0.090 | 0.056 # |
| 22) | S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | | |
| 2) | a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) | g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) | b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) | Heptachlor | 6.622 | 7.286 | 3831 | 5604 | 0.017 | 0.017 |
| 6) | d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) | Aldrin | 0.000 | 7.567 | 0 | 8671 | N.D. | 0.027 # |
| 8) | Heptachlo... | 7.328 | 0.000 | 627099 | 0 | 3.060 | N.D. # |
| 9) | trans-Chl... | 7.420 | 8.124 | 17606 | 936012 | 0.084 | 3.090 # |
| 10) | cis-Chlor... | 7.508 | 8.239 | 981829 | 74865 | 4.794 | 0.258 # |
| 11) | Endosulfa... | 7.617 | 0.000 | 5471 | 0 | 0.028 | N.D. # |
| 12) | 4,4'-DDE | 7.617f | 0.000 | 5471 | 0 | 0.028 | N.D. # |
| 13) | Dieldrin | 7.747f | 8.498 | 32212 | 847949 | 0.152 | 2.850 # |
| 14) | Endrin | 7.978f | 8.722 | 1044308 | 709957 | 6.110 | 3.100 # |
| 15) | 4,4'-DDD | 7.978f | 8.761 | 1044308 | 1501113 | 6.390 | 6.239 |
| 16) | Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) | 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) | Endrin Al... | 8.403 | 0.000 | 3625 | 0 | 0.025 | N.D. # |
| 19) | Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) | Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) | Endrin Ke... | 8.864f | 9.686 | 18921 | 917688 | 0.099 | 3.681 # |
| 23) | Hexachlor... | 3.191 | 3.674 | 985296 | 1888911 | 4.991 | 5.040 |
| 24) | Hexachlor... | 5.771 | 6.453 | 941551 | 1416782 | 4.940 | 4.871 |
| 25) | Oxychlorane | 7.253 | 7.920 | 875331 | 1273733 | 4.931 | 4.959 |
| 26) | 2,4'-DDE | 7.328 | 8.124 | 627099 | 936012 | 4.991 | 4.938 |
| 27) | trans-Non... | 7.508 | 8.195 | 981829 | 1410113 | 4.975 | 4.938 |
| 28) | 2,4'-DDD | 7.701 | 8.498 | 556778 | 847949 | 4.971 | 4.975 |
| 29) | 2,4'-DDT | 7.883 | 8.722 | 500416 | 709957 | 4.821 | 4.879 |
| 30) | cis-Nonac... | 7.978 | 8.761 | 1044308 | 1501113 | 4.936 | 4.977 |
| 31) | Mirex | 8.645 | 9.686 | 702511 | 917688 | 4.970 | 4.975 |
| 32) | Chlordane... | 7.420 | 8.124 | 17606 | 936012 | 0.754 | 23.754 # |
| 33) | Chlordane... | 7.508 | 8.239 | 981829 | 74865 | 36.977 | 2.286 # |
| 34) | Chlordane... | 0.000 | 8.908 | 0 | 37450 | N.D. | 3.660 # |
| 35) | Chlordane... | 3.670f | 3.674 | 9549 | 1888911 | NoCal | NoCal |
| 36) | Toxaphene... | 7.508 | 8.498f | 981829 | 847949 | 944.801 | 301.505 # |
| 37) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) | Toxaphene... | 8.311f | 8.908 | 20934 | 37450 | 5.329 | 0.253 # |
| 40) | Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 41) | Toxaphene... | 8.645 | 0.000 | 702511 | 0 | 175.378 | N.D. # |
| 42) | Toxaphene... | 3.670f | 3.674 | 9549 | 1888911 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:48
 Operator : MJB
 Sample : 0C24036-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:05
 Operator : MJB
 Sample : 0C24036-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

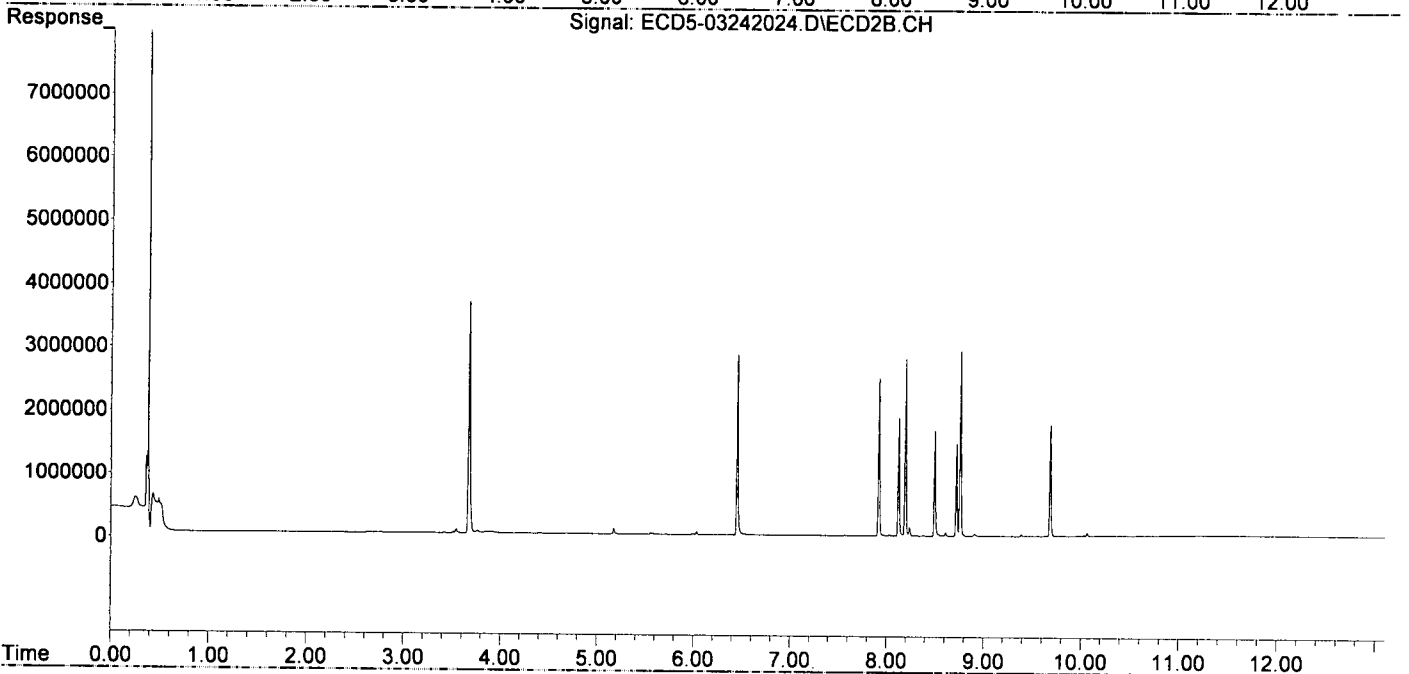
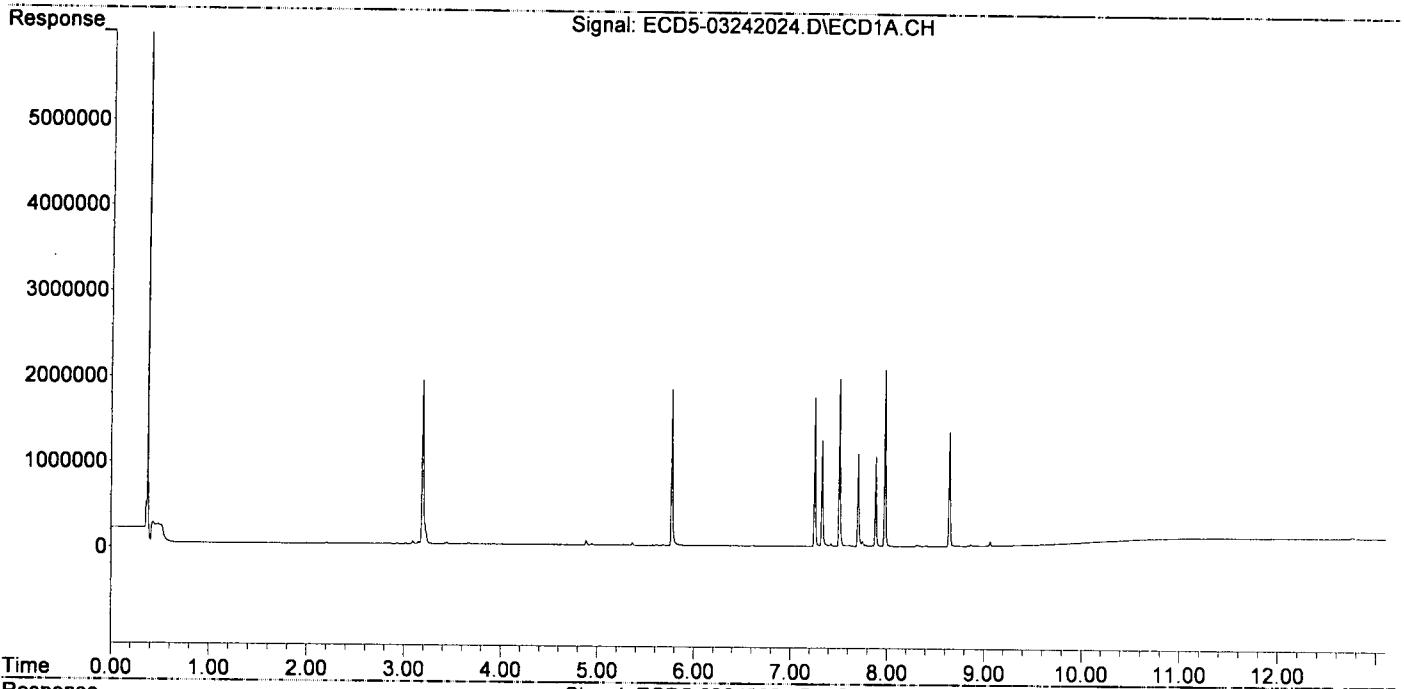
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.363f | 5.993 | 32184 | 12890 | 0.167 | 0.045 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.926 | 0.000 | 3851 | 0 | 0.015 | N.D. # |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.622 | 7.287 | 6878 | 10274 | 0.031 | 0.031 |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 7.568 | 0 | 9851 | N.D. | 0.030 # |
| 8) Heptachlo... | 7.328 | 0.000 | 1237758 | 0 | 6.039 | N.D. # |
| 9) trans-Chl... | 7.420 | 8.125 | 32671 | 1859258 | 0.157 | 6.137 # |
| 10) cis-Chlor... | 7.508 | 8.239 | 1958355 | 138955 | 9.563 | 0.479 # |
| 11) Endosulfa... | 7.617 | 8.304 | 12079 | 9101 | 0.062 | 0.033 # |
| 12) 4,4'-DDE | 7.617f | 8.384f | 12079 | 7384 | 0.061 | 0.026 # |
| 13) Dieldrin | 7.747f | 8.498 | 61272 | 1664096 | 0.288 | 5.593 # |
| 14) Endrin | 7.979f | 8.723 | 2056686 | 1455490 | 12.032 | 6.356 # |
| 15) 4,4'-DDD | 7.979f | 8.762 | 2056686 | 2912480 | 12.584 | 12.104 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.407 | 0.000 | 4347 | 0 | 0.030 | N.D. # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.864f | 9.687 | 18780 | 1755471 | 0.098 | 7.041 # |
| 23) Hexachlor... | 3.191 | 3.673 | 1913685 | 3659331 | 9.950 | 9.951 |
| 24) Hexachlor... | 5.771 | 6.453 | 1821184 | 2829027 | 9.807 | 9.928 |
| 25) Oxychlorane | 7.252 | 7.921 | 1728237 | 2482080 | 9.984 | 9.870 |
| 26) 2,4'-DDE | 7.328 | 8.125 | 1237758 | 1859258 | 10.043 | 9.966 |
| 27) trans-Non... | 7.508 | 8.195 | 1958355 | 2785866 | 10.173 | 9.939 |
| 28) 2,4'-DDD | 7.701 | 8.498 | 1077430 | 1664096 | 9.871 | 9.984 |
| 29) 2,4'-DDT | 7.883 | 8.723 | 1038872 | 1455490 | 10.169 | 10.084 |
| 30) cis-Nonac... | 7.979 | 8.762 | 2056686 | 2912480 | 9.934 | 9.808 |
| 31) Mirex | 8.645 | 9.687 | 1334200 | 1755471 | 9.808 | 9.889 |
| 32) Chlordane... | 7.420 | 8.125 | 32671 | 1859258 | 1.400 | 47.184 # |
| 33) Chlordane... | 7.508 | 8.239 | 1958355 | 138955 | 73.754 | 4.243 # |
| 34) Chlordane... | 0.000 | 8.909 | 0 | 34953 | N.D. | 3.416 # |
| 35) Chlordane... | 3.670f | 3.673 | 9389 | 3659331 | NoCal | NoCal |
| 36) Toxaphene... | 7.508 | 8.498f | 1958355 | 1664096 | 1884.499 | 591.703 # |
| 37) Toxaphene... | 7.747f | 0.000 | 61272 | 0 | 30.201 | N.D. # |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.311f | 8.909 | 20512 | 34953 | 5.222 | BelowCal # |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 41) Toxaphene... | 8.645 | 0.000 | 1334200 | 0 | 333.076 | N.D. # |
| 42) Toxaphene... | 3.670f | 3.673 | 9389 | 3659331 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:22
 Operator : MJB
 Sample : 0C24036-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

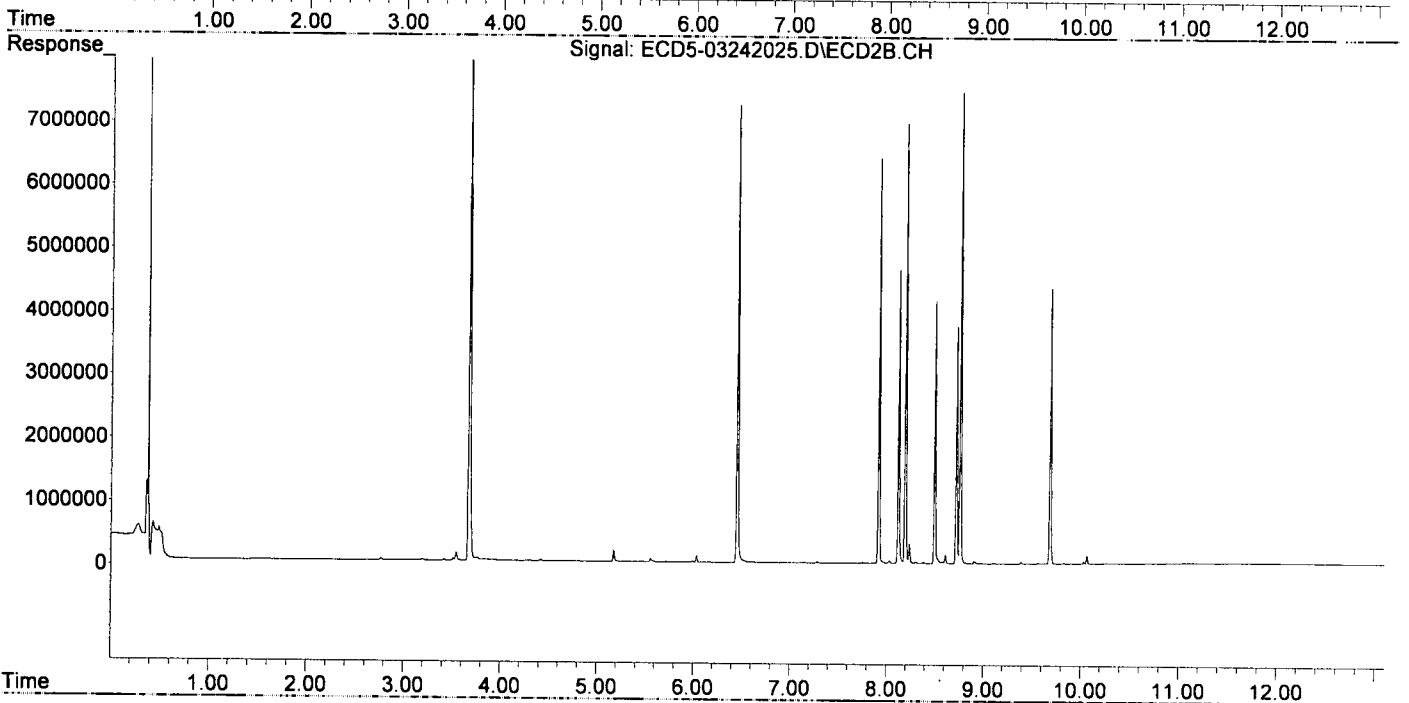
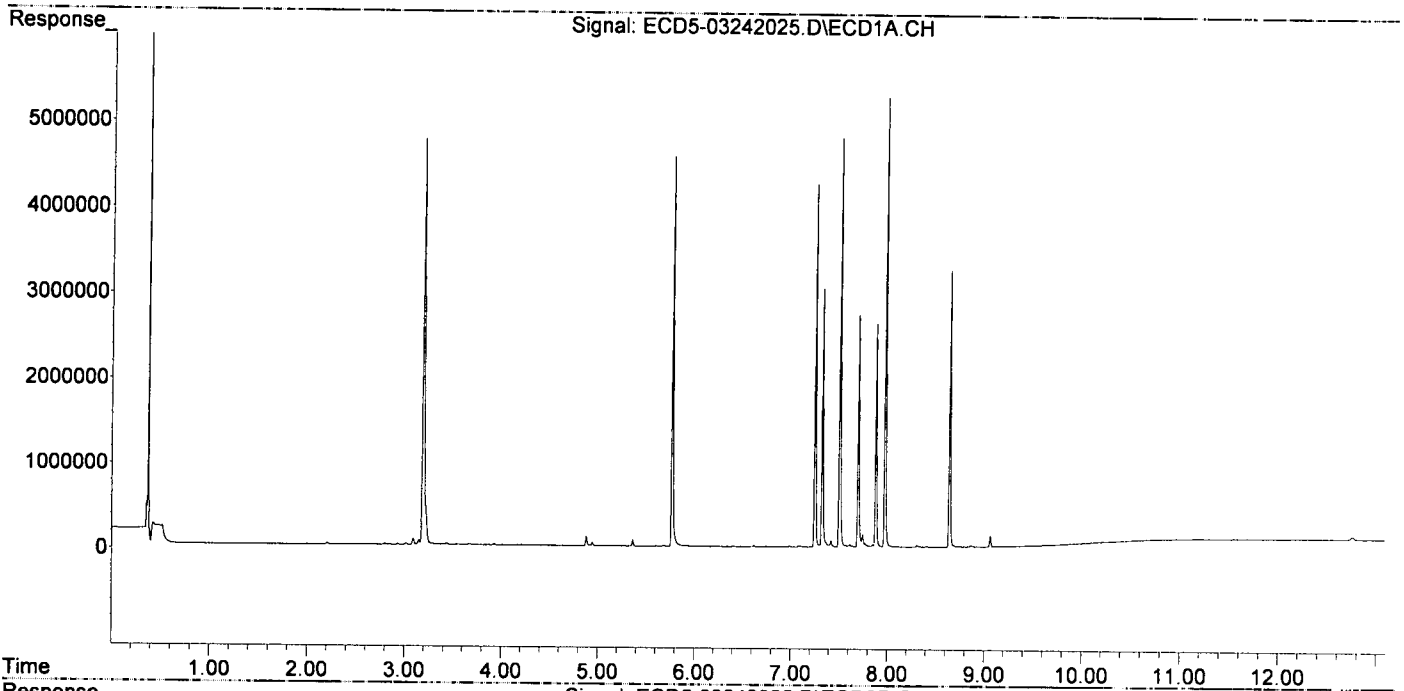
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|---------|---------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.362f | 5.992 | 72419 | 14491 | 0.375 | 0.051 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.921 | 0.000 | 7550 | 0 | 0.029 | N.D. # |
| 3) g-BHC | 6.187f | 0.000 | 5230 | 0 | 0.023 | N.D. # |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 6.621 | 7.286 | 15568 | 20608 | 0.070 | 0.061 |
| 6) d-BHC | 6.403f | 0.000 | 5534 | 0 | 0.028 | N.D. # |
| 7) Aldrin | 0.000 | 7.568 | 0 | 9066 | N.D. | 0.028 # |
| 8) Heptachlo... | 7.327 | 0.000 | 3019471 | 0 | 14.733 | N.D. # |
| 9) trans-Chl... | 7.419 | 8.124 | 70960 | 4614869 | 0.340 | 15.233 # |
| 10) cis-Chlor... | 7.508 | 8.238 | 4770432 | 310760 | 23.295 | 1.071 # |
| 11) Endosulfa... | 7.616 | 8.303 | 34081 | 22883 | 0.176 | 0.084 # |
| 12) 4,4'-DDE | 7.616f | 8.382f | 34081 | 18316 | 0.173 | 0.064 # |
| 13) Dieldrin | 7.747f | 8.498 | 136247 | 4129897 | 0.641 | 13.881 # |
| 14) Endrin | 7.978f | 8.722 | 5255936 | 3726920 | 30.749 | 16.276 # |
| 15) 4,4'-DDD | 7.978f | 8.761 | 5255936 | 7435646 | 32.160 | 30.903 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.409 | 9.106 | 8369 | 4565 | 0.057 | 0.022 # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.864f | 9.686 | 18352 | 4337194 | 0.096 | 17.396 # |
| 23) Hexachlor... | 3.192 | 3.674 | 4744416 | 9164447 | 25.096 | 25.093 # |
| 24) Hexachlor... | 5.771 | 6.453 | 4553836 | 7208518 | 24.881 | 25.357 |
| 25) Oxychlorane | 7.252 | 7.920 | 4237766 | 6370353 | 24.840 | 25.367 |
| 26) 2,4'-DDE | 7.327 | 8.124 | 3019471 | 4614869 | 24.685 | 24.676 |
| 27) trans-Non... | 7.508 | 8.195 | 4770432 | 6929319 | 25.099 | 24.709 |
| 28) 2,4'-DDD | 7.700 | 8.498 | 2695196 | 4129897 | 25.018 | 24.853 |
| 29) 2,4'-DDT | 7.882 | 8.722 | 2624036 | 3726920 | 25.583 | 25.294 |
| 30) cis-Nonac... | 7.978 | 8.761 | 5255936 | 7435646 | 25.646 | 24.976 |
| 31) Mirex | 8.645 | 9.686 | 3230934 | 4337194 | 24.384 | 24.823 # |
| 32) Chlordane... | 7.419 | 8.124 | 70960 | 4614869 | 3.040 | 117.116 # |
| 33) Chlordane... | 7.508 | 8.238 | 4770432 | 310760 | 179.661 | 9.489 # |
| 34) Chlordane... | 0.000 | 8.908 | 0 | 33938 | N.D. | 3.316 # |
| 35) Chlordane... | 3.678f | 3.674 | 10371 | 9164447 | NoCal | NoCal |
| 36) Toxaphene... | 7.508 | 8.498f | 4770432 | 4129897 | 4590.524 | 1468.467 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.368f | 8.908 | 3285 | 33938 | 0.836 | BelowCal # |
| 40) Toxaphene... | 0.000 | 9.106 | 0 | 4565 | N.D. | 0.924 # |
| 41) Toxaphene... | 8.645 | 0.000 | 3230934 | 0 | 806.585 | N.D. # |
| 42) Toxaphene... | 3.678 | 3.674 | 10371 | 9164447 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:40
 Operator : MJB
 Sample : 0C24036-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
4/25/20*

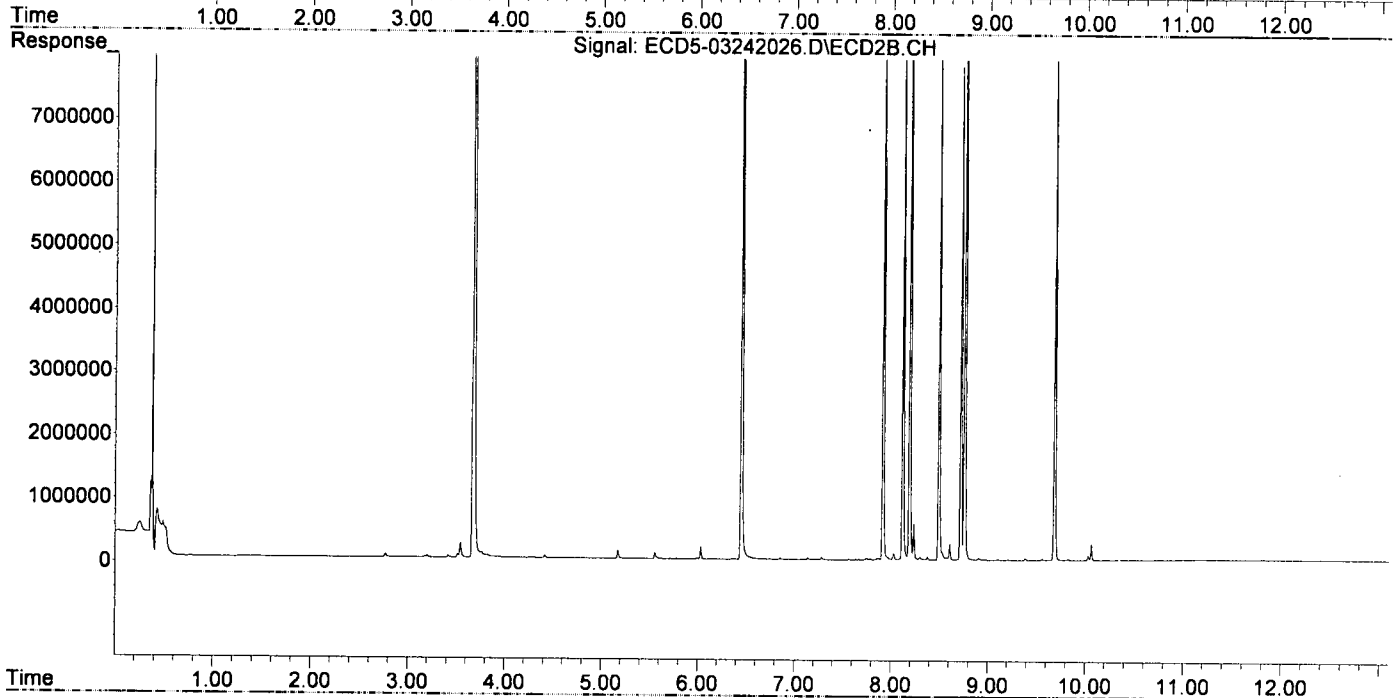
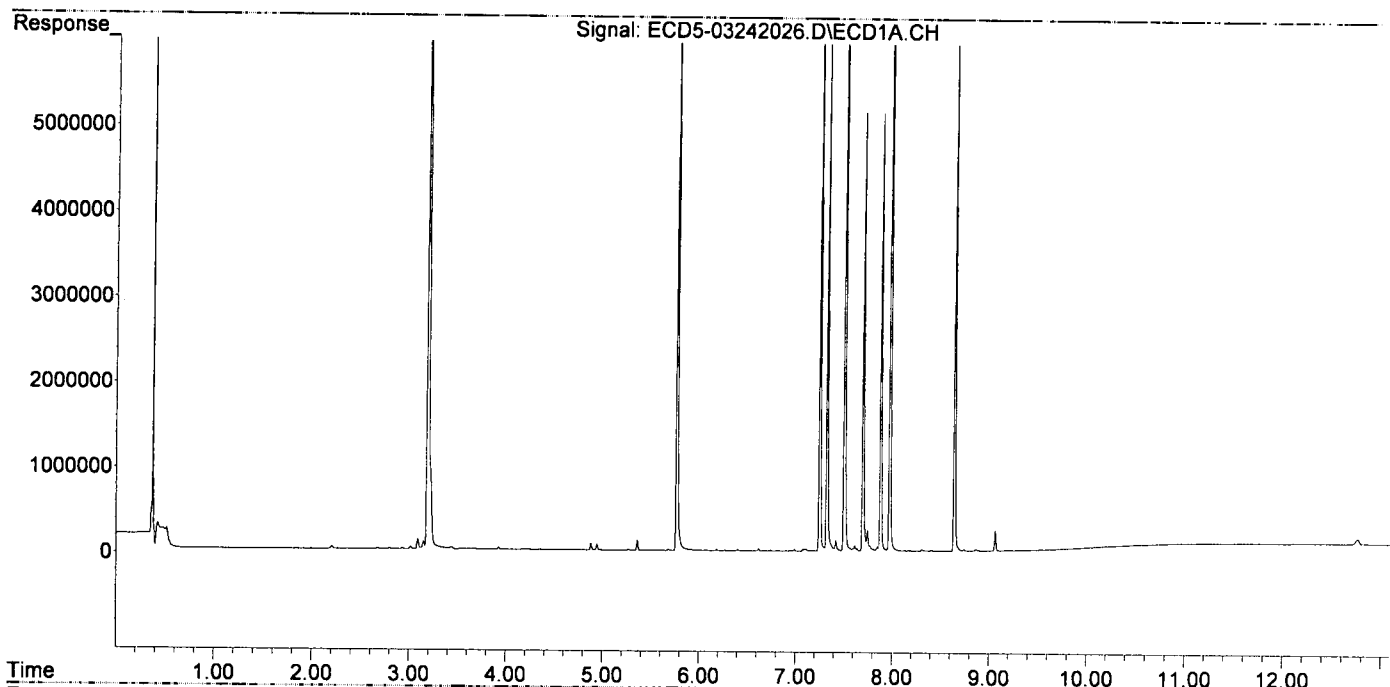
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|----------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.362f | 5.992 | 126744 | 15305 | 0.656 | 0.054 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.186f | 6.951f | 15015 | 7341 | 0.066 | 0.021 # |
| 4) b-BHC | 6.271 | 6.951f | 4564 | 7341 | 0.048 | 0.049 |
| 5) Heptachlor | 6.621 | 7.286 | 27538 | 42010 | 0.124 | 0.125 |
| 6) d-BHC | 6.404f | 7.235 | 16347 | 6564 | 0.084 | 0.020 # |
| 7) Aldrin | 6.825f | 0.000 | 3414 | 0 | 0.015 | N.D. # |
| 8) Heptachlo... | 7.327 | 0.000 | 5911849 | 0 | 28.845 | N.D. # |
| 9) trans-Chl... | 7.419 | 8.124 | 127586 | 9372906 | 0.612 | 30.939 # |
| 10) cis-Chlor... | 7.507 | 8.239 | 8939479 | 562539 | 43.653 | 1.939 # |
| 11) Endosulfa... | 7.615 | 8.303 | 67500 | 42084 | 0.349 | 0.155 # |
| 12) 4,4'-DDE | 7.615f | 8.381f | 67500 | 45870 | 0.342 | 0.160 # |
| 13) Dieldrin | 7.746f | 8.497 | 247363 | 8137483 | 1.164 | 27.352 # |
| 14) Endrin | 7.978f | 8.722 | 9928726 | 7779036 | 58.086 | 33.972 # |
| 15) 4,4'-DDD | 7.978f | 8.761 | 9928726 | 14832084 | 60.752 | 61.642 |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 17) 4,4'-DDT | 8.197 | 8.973 | 7213 | 3196 | 0.041 | 0.074 # |
| 18) Endrin Al... | 8.410 | 9.108 | 11723 | 7923 | 0.080 | 0.038 # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.866f | 9.687 | 17624 | 8504353 | 0.092 | 34.110 # |
| 23) Hexachlor... | 3.192 | 3.674 | 8717391 | 17439815 | 46.425 | 47.503 # |
| 24) Hexachlor... | 5.771 | 6.452 | 8762097 | 14203483 | 47.959 | 49.260 |
| 25) Oxychlorane | 7.251 | 7.920 | 8147960 | 12143579 | 47.956 | 47.581 |
| 26) 2,4'-DDE | 7.327 | 8.124 | 5911849 | 9372906 | 48.156 | 49.109 |
| 27) trans-Non... | 7.507 | 8.194 | 8939479 | 13836076 | 47.116 | 48.432 |
| 28) 2,4'-DDD | 7.700 | 8.497 | 5120535 | 8137483 | 47.517 | 48.229 |
| 29) 2,4'-DDT | 7.882 | 8.722 | 5109282 | 7779036 | 48.838 | 50.404 |
| 30) cis-Nonac... | 7.978 | 8.761 | 9928726 | 14832084 | 48.383 | 48.834 |
| 31) Mirex | 8.645 | 9.687 | 6214207 | 8504353 | 47.463 | 48.294 |
| 32) Chlordane... | 7.419 | 8.124 | 127586 | 9372906 | 5.466 | 237.866 # |
| 33) Chlordane... | 7.507 | 8.239 | 8939479 | 562539 | 336.674 | 17.177 # |
| 34) Chlordane... | 0.000 | 8.909 | 0 | 32194 | N.D. | 3.146 # |
| 35) Chlordane... | 3.680f | 3.674 | 12859 | 17439815 | NoCal | NoCal |
| 36) Toxaphene... | 7.507 | 8.497f | 8939479 | 8137483 | 8602.344 | 2893.444 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 39) Toxaphene... | 8.366f | 8.909 | 4376 | 32194 | 1.114 | BelowCal # |
| 40) Toxaphene... | 0.000 | 9.108 | 0 | 7923 | N.D. | 1.603 # |
| 41) Toxaphene... | 8.645 | 0.000 | 6214207 | 0 | 1551.342 | N.D. # |
| 42) Toxaphene... | 3.680 | 3.674 | 12859 | 17439815 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:57
 Operator : MJB
 Sample : 0C24036-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 7/25/20

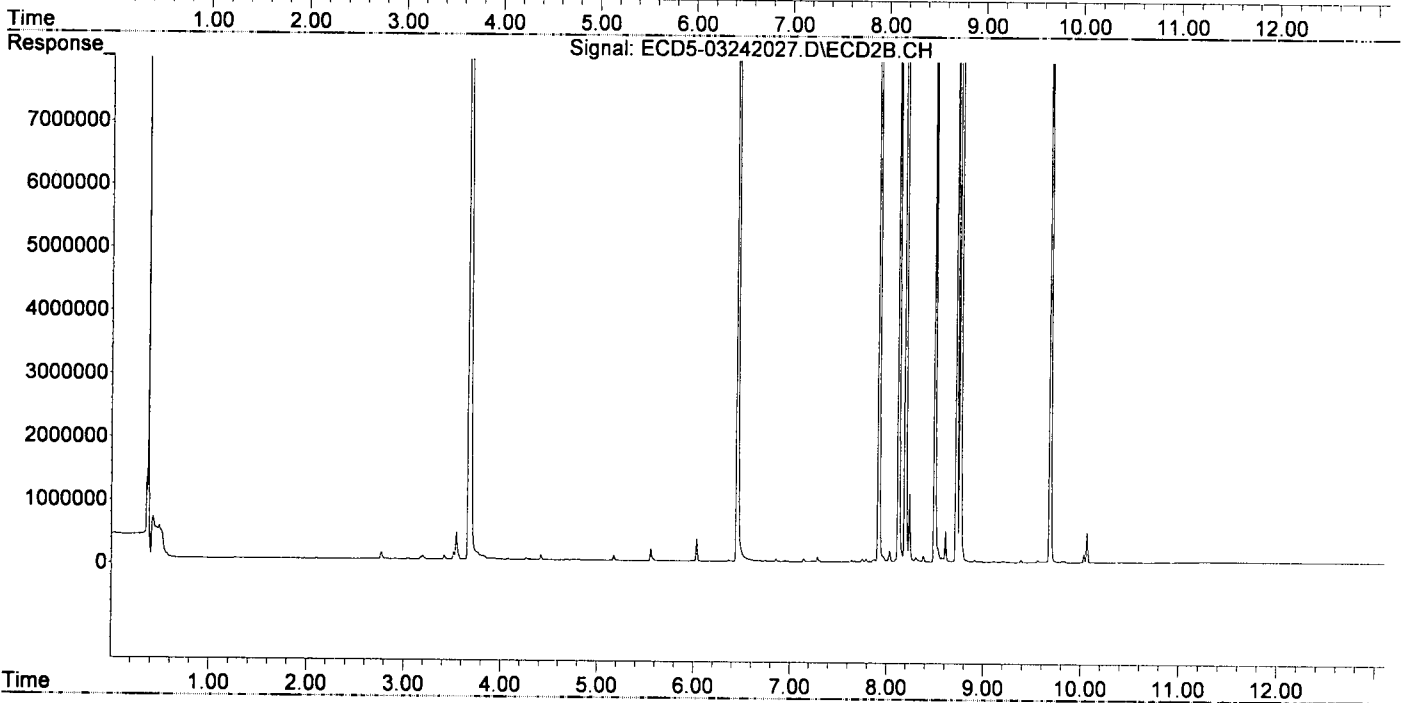
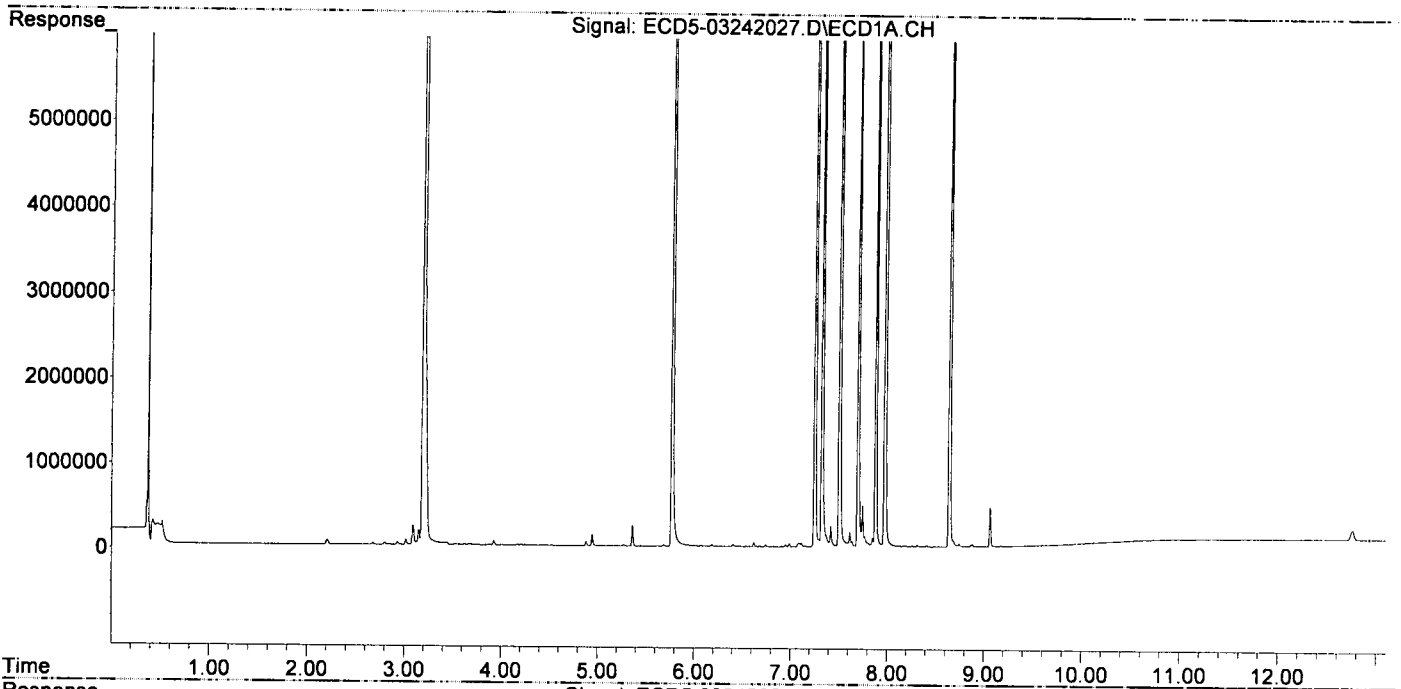
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.361f | 5.992 | 244597 | 11148 | 1.266 | 0.039 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.185f | 6.950f | 25655 | 11043 | 0.112 | 0.031 # |
| 4) b-BHC | 6.269 | 6.950f | 7120 | 11043 | 0.074 | 0.074 |
| 5) Heptachlor | 6.620 | 7.285 | 52914 | 80516 | 0.238 | 0.240 |
| 6) d-BHC | 6.469f | 7.245 | 4718 | 16583 | 0.024 | 0.051 # |
| 7) Aldrin | 6.824f | 7.566 | 5656 | 10794 | 0.025 | 0.033 # |
| 8) Heptachlo... | 7.325 | 8.032f | 12225211 | 174006 | 59.650 | 0.585 # |
| 9) trans-Chl... | 7.418 | 8.124 | 245170 | 19878326 | 1.176 | 65.616 # |
| 10) cis-Chlor... | 7.506 | 8.238 | 18723508 | 1075831 | 91.430 | 3.708 # |
| 11) Endosulfa... | 7.615 | 8.302 | 168828 | 71292 | 0.873 | 0.262 # |
| 12) 4,4'-DDE | 7.615f | 8.381f | 168828 | 92472 | 0.857 | 0.323 # |
| 13) Dieldrin | 0.000 | 8.497 | 0 | 17265269 | N.D. | 58.032 # |
| 14) Endrin | 7.977f | 8.722 | 20132492 | 16635506 | 117.782 | 72.650 # |
| 15) 4,4'-DDD | 7.977f | 8.761 | 20132492 | 32441279 | 123.187 | 134.827 |
| 16) Endosulfa... | 8.130f | 0.000 | 15468 | 0 | 0.092 | N.D. # |
| 17) 4,4'-DDT | 8.196 | 8.986 | 15102 | 16727 | 0.106 | 0.158 # |
| 18) Endrin Al... | 8.410 | 9.107 | 19478 | 19918 | 0.133 | 0.096 # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 9.431f | 0 | 5604 | N.D. | BelowCal |
| 21) Endrin Ke... | 8.881 | 9.685 | 24927 | 17899644 | 0.131 | 71.794 # |
| 23) Hexachlor... | 3.192 | 3.675 | 18064617 | 36344688 | 96.936 | 97.226 # |
| 24) Hexachlor... | 5.771 | 6.453 | 18187492 | 30307668 | 99.067 | 101.273 |
| 25) Oxychlorane | 7.251 | 7.920 | 16565674 | 26490641 | 97.581 | 99.283 |
| 26) 2,4'-DDE | 7.325 | 8.124 | 12225211 | 19878326 | 98.177 | 99.404 |
| 27) trans-Non... | 7.506 | 8.194 | 18723508 | 29872500 | 98.268 | 99.854 |
| 28) 2,4'-DDD | 7.698 | 8.497 | 10853795 | 17265269 | 99.747 | 98.328 |
| 29) 2,4'-DDT | 7.881 | 8.722 | 10947370 | 16635506 | 99.784 | 98.718 |
| 30) cis-Nonac... | 7.977 | 8.761 | 20132492 | 32441279 | 97.196 | 101.680 |
| 31) Mirex | 8.644 | 9.685 | 12396853 | 17899644 | 95.899 | 98.671 # |
| 32) Chlordane... | 7.418 | 8.124 | 245170 | 19878326 | 10.503 | 504.473 # |
| 33) Chlordane... | 7.506 | 8.238 | 18723508 | 1075831 | 705.155 | 32.851 # |
| 34) Chlordane... | 0.000 | 8.908 | 0 | 35256 | N.D. | 3.445 # |
| 35) Chlordane... | 3.681f | 3.675 | 13875 | 36344688 | NoCal | NoCal |
| 36) Toxaphene... | 7.506 | 8.497f | 18723508 | 17265269 | 18017.387 | 6139.009 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.130f | 0.000 | 15468 | 0 | 3.794 | N.D. # |
| 39) Toxaphene... | 8.365f | 8.908 | 7329 | 35256 | 1.866 | BelowCal # |
| 40) Toxaphene... | 0.000 | 9.107 | 0 | 19918 | N.D. | 4.031 # |
| 41) Toxaphene... | 8.644 | 0.000 | 12396853 | 0 | 3094.805 | N.D. # |
| 42) Toxaphene... | 3.681 | 3.675 | 13875 | 36344688 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 20:14
 Operator : MJB
 Sample : 0C24036-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:58:54 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

N/A 3/25/20

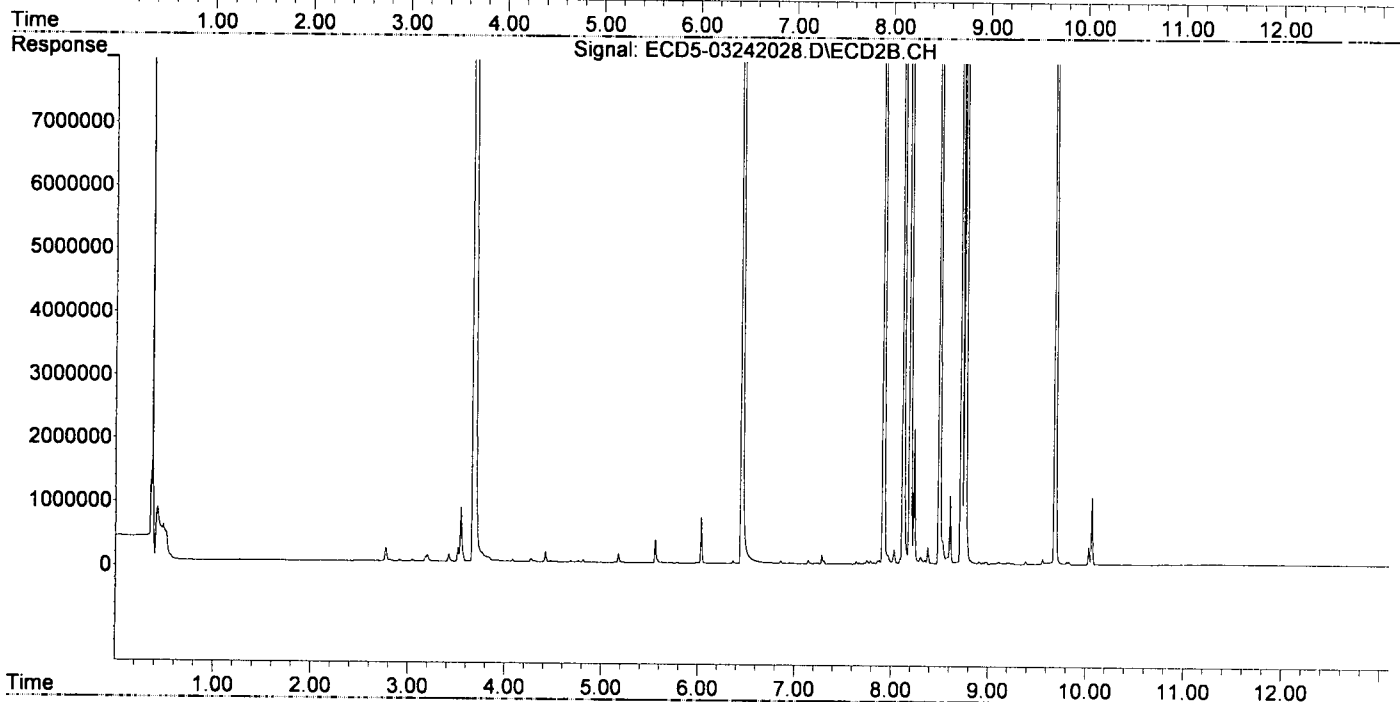
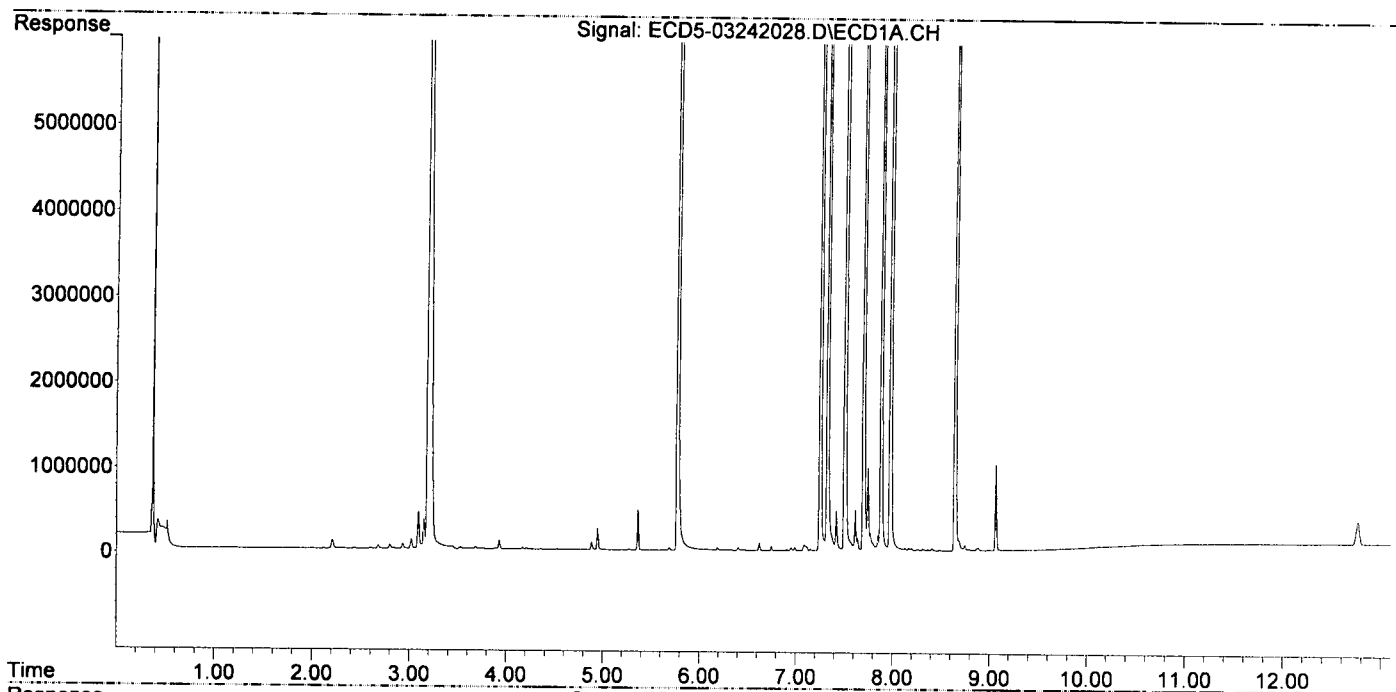
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|----------|----------|-----------|-------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.364f | 5.993 | 478296 | 14010 | 2.476 | 0.049 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 6.188f | 6.951f | 30187 | 10630 | 0.132 | 0.030 # |
| 4) b-BHC | 6.271 | 6.951f | 9923 | 10630 | 0.104 | 0.071 # |
| 5) Heptachlor | 6.622 | 7.287 | 94742 | 143116 | 0.425 | 0.427 # |
| 6) d-BHC | 6.470f | 7.236 | 6325 | 13608 | 0.032 | 0.042 # |
| 7) Aldrin | 6.825f | 7.525f | 6647 | 6135 | 0.030 | 0.019 # |
| 8) Heptachlo... | 7.327 | 7.971f | 26192823 | 133881 | 127.802 | 0.450 # |
| 9) trans-Chl... | 7.419 | 8.126 | 474195 | 44139561 | 2.275 | 145.700 # |
| 10) cis-Chlor... | 7.508 | 8.240 | 39413197 | 2110993 | 192.461 | 7.275 # |
| 11) Endosulfa... | 7.616 | 8.306 | 483118 | 99616 | 2.499 | 0.367 # |
| 12) 4,4'-DDE | 7.616f | 8.352 | 483118 | 57197 | 2.451 | 0.200 # |
| 13) Dieldrin | 7.747f | 8.499 | 966004 | 38695112 | 4.547 | 130.062 # |
| 14) Endrin | 7.979f | 8.724 | 43205725 | 39877306 | 252.768 | 174.150 # |
| 15) 4,4'-DDD | 7.979f | 8.764 | 43205725 | 69542726 | 264.368 | 289.021 # |
| 16) Endosulfa... | 8.131f | 0.000 | 30154 | 0 | 0.180 | N.D. # |
| 17) 4,4'-DDT | 8.198 | 8.989 | 31539 | 34595 | 0.241 | 0.269 # |
| 18) Endrin Al... | 8.412 | 9.110 | 28269 | 36570 | 0.193 | 0.176 # |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 20) Methoxychlor | 0.000 | 9.434f | 0 | 11579 | N.D. | 0.055 # |
| 21) Endrin Ke... | 8.883 | 9.689 | 35335 | 39265298 | 0.185 | 157.490 # |
| 23) Hexachlor... | 3.194 | 3.677 | 38064732 | 79746950 | 206.623 | 204.641 # |
| 24) Hexachlor... | 5.773 | 6.456 | 37823227 | 63963904 | 203.093 | 199.341 # |
| 25) Oxychlorane | 7.253 | 7.922 | 34818494 | 58878835 | 204.557 | 202.311 # |
| 26) 2,4'-DDE | 7.327 | 8.126 | 26192823 | 44139561 | 203.575 | 201.466 # |
| 27) trans-Non... | 7.508 | 8.197 | 39413197 | 65896047 | 204.164 | 201.589 # |
| 28) 2,4'-DDD | 7.700 | 8.499 | 22566425 | 38695112 | 202.610 | 202.945 # |
| 29) 2,4'-DDT | 7.883 | 8.724 | 24102499 | 39877306 | 200.670 | 200.576 # |
| 30) cis-Nonac... | 7.979 | 8.764 | 43205725 | 69542726 | 203.673 | 199.615 # |
| 31) Mirex | 8.647 | 9.689 | 26254813 | 39265298 | 207.651 | 202.772 # |
| 32) Chlordane... | 7.419 | 8.126 | 474195 | 44139561 | 20.315 | 1120.175 # |
| 33) Chlordane... | 7.508 | 8.240 | 39413197 | 2110993 | 1484.358 | 64.460 # |
| 34) Chlordane... | 0.000 | 8.908 | 0 | 37569 | N.D. | 3.671 # |
| 35) Chlordane... | 3.717 | 3.677 | 12199 | 79746950 | NoCal | NoCal |
| 36) Toxaphene... | 7.508 | 8.499f | 39413197 | 38695112 | 37926.805 | 13758.815 # |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 38) Toxaphene... | 8.131f | 0.000 | 30154 | 0 | 7.397 | N.D. # |
| 39) Toxaphene... | 8.367f | 8.908 | 13020 | 37569 | 3.315 | 0.268 # |
| 40) Toxaphene... | 0.000 | 9.110 | 0 | 36570 | N.D. | 7.400 # |
| 41) Toxaphene... | 8.647 | 0.000 | 26254813 | 0 | 6554.367 | N.D. # |
| 42) Toxaphene... | 3.684 | 3.677 | 31072 | 79746950 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:54 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:05
 Operator : MJB
 Sample : 0C24036-CALJ
 Misc : A20C400, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:00:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

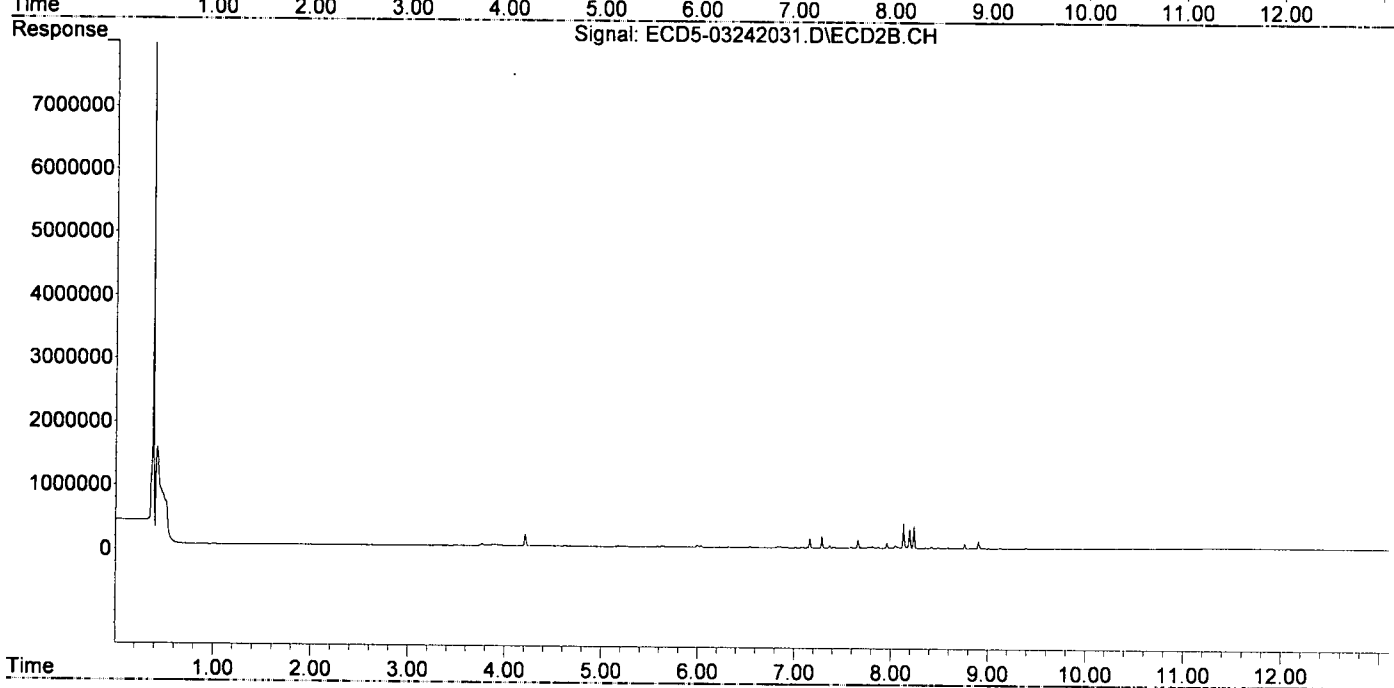
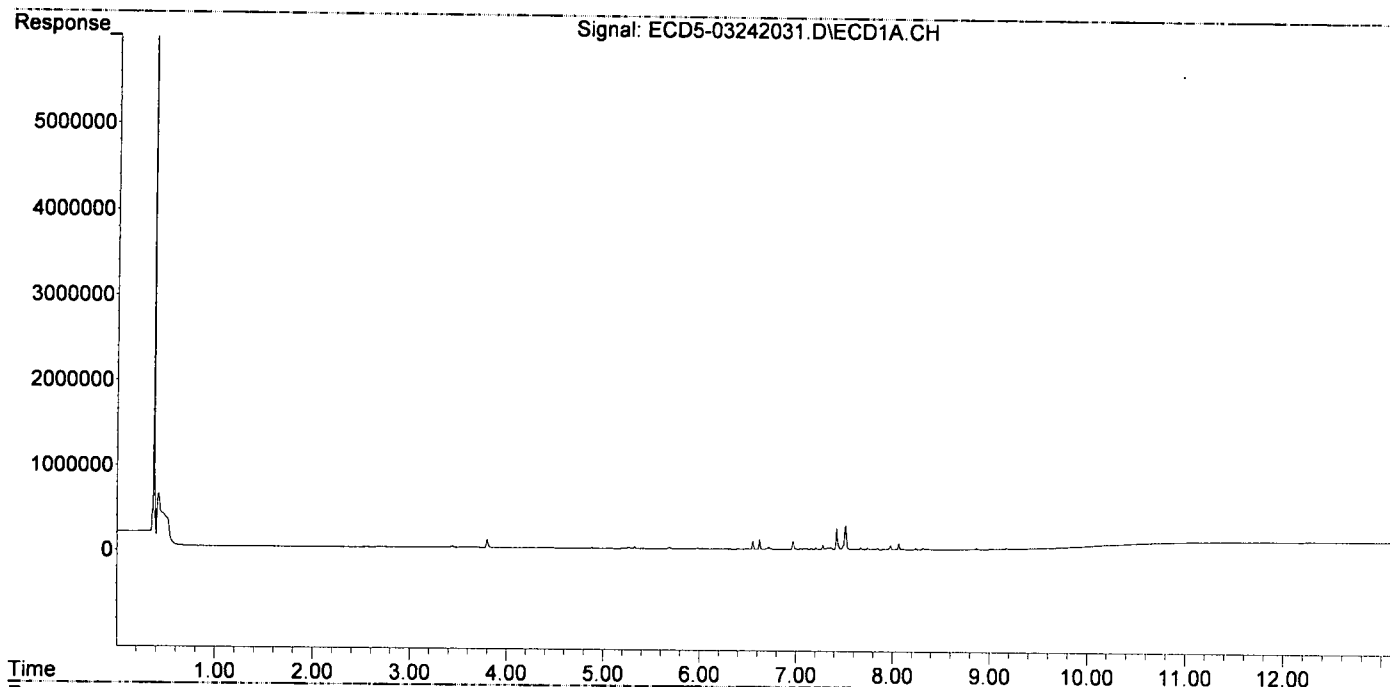
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|--------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.993 | 0 | 32756 | N.D. | 0.115 # |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 6.619f | 0 | 11445 | N.D. | 0.028 # |
| 3) g-BHC | 6.183f | 0.000 | 7294 | 0 | 0.032 | N.D. # |
| 4) b-BHC | 6.262f | 7.013f | 3959 | 16018 | 0.041 | 0.107 # |
| 5) Heptachlor | 6.621 | 7.285 | 116748 | 181833 | 0.524 | 0.543 |
| 6) d-BHC | 6.402f | 0.000 | 9962 | 0 | 0.051 | N.D. # |
| 7) Aldrin | 0.000 | 7.521f | 0 | 7640 | N.D. | 0.023 # |
| 8) Heptachlo... | 7.332 | 8.011 | 21913 | 8950 | 0.107 | 0.030 # |
| 9) trans-Chl... | 7.420 | 8.130 | 246826 | 385659 | 1.184 | 1.273 |
| 10) cis-Chlor... | 7.513 | 8.238 | 282652 | 341698 | 1.380 | 1.178 |
| 11) Endosulfa... | 7.633 | 0.000 | 6797 | 0 | 0.035 | N.D. # |
| 12) 4,4'-DDE | 7.573 | 8.335 | 8297 | 7014 | 0.042 | 0.024 # |
| 13) Dieldrin | 7.800 | 8.491 | 8756 | 16806 | 0.041 | 0.056 # |
| 14) Endrin | 7.978f | 8.715 | 52606 | 6875 | 0.308 | 0.030 # |
| 15) 4,4'-DDD | 7.978f | 8.762 | 52606 | 76428 | 0.322 | 0.318 |
| 16) Endosulfa... | 8.112 | 8.852 | 4946 | 5605 | 0.030 | 0.023 |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 18) Endrin Al... | 8.364f | 9.133f | 5645 | 19087 | 0.039 | 0.092 # |
| 19) Endosulfa... | 8.704 | 0.000 | 3199 | 0 | 0.019 | N.D. # |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 21) Endrin Ke... | 8.865f | 9.683 | 13212 | 10528 | 0.069 | 0.042 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 25) Oxychlorane | 7.247 | 7.958f | 3950 | 84421 | BelowCal | 0.079 |
| 26) 2,4'-DDE | 7.332 | 8.130 | 21913 | 385659 | BelowCal | 1.915 |
| 27) trans-Non... | 7.513 | 8.194 | 282652 | 299212 | 1.248 | 0.862 # |
| 28) 2,4'-DDD | 7.669f | 8.491 | 22057 | 16806 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.910f | 8.715 | 5649 | 6875 | BelowCal | BelowCal |
| 30) cis-Nonac... | 7.978 | 8.762 | 52606 | 76428 | 0.030 | 0.051 # |
| 31) Mirex | 0.000 | 9.683 | 0 | 10528 | N.D. | BelowCal |
| 32) Chlordane... | 7.420 | 8.130 | 246826 | 385659 | 10.574 | 9.787 |
| 33) Chlordane... | 7.513 | 8.238 | 282652 | 341698 | 10.645 | 10.434 |
| 34) Chlordane... | 8.063 | 8.902 | 75022 | 111290 | 10.320 | 10.875 |
| 35) Chlordane... | 3.670f | 0.000 | 7205 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.513 | 8.491f | 282652 | 16806 | 271.992 | 5.976 # |
| 37) Toxaphene... | 7.800 | 8.818 | 8756 | 10106 | 2.221 | 2.828 # |
| 38) Toxaphene... | 8.112 | 8.852 | 4946 | 5605 | 1.213 | 1.004 |
| 39) Toxaphene... | 8.364f | 8.902 | 5645 | 111290 | 1.437 | 9.322 # |
| 40) Toxaphene... | 0.000 | 9.133f | 0 | 19087 | N.D. | 3.863 # |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 42) Toxaphene... | 3.670f | 0.000 | 7205 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:22
 Operator : MJB
 Sample : 0C24036-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:00:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
 3/25/20*

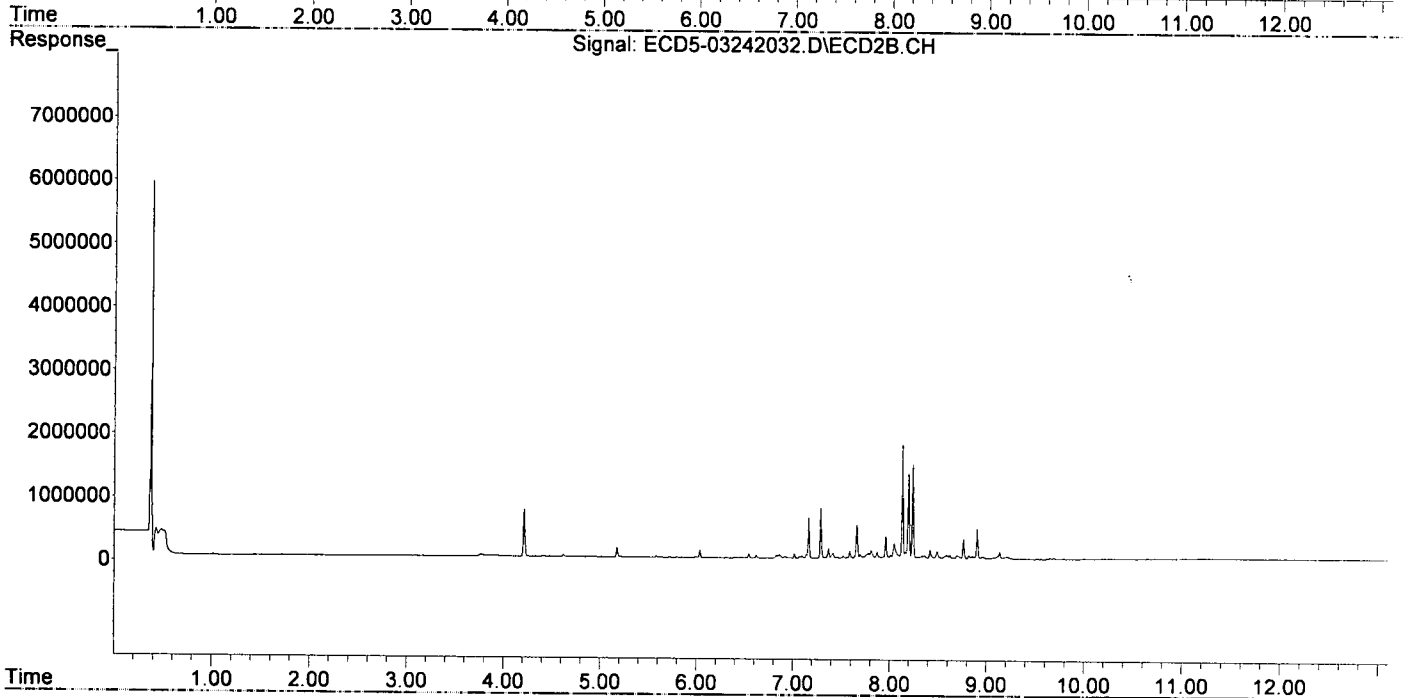
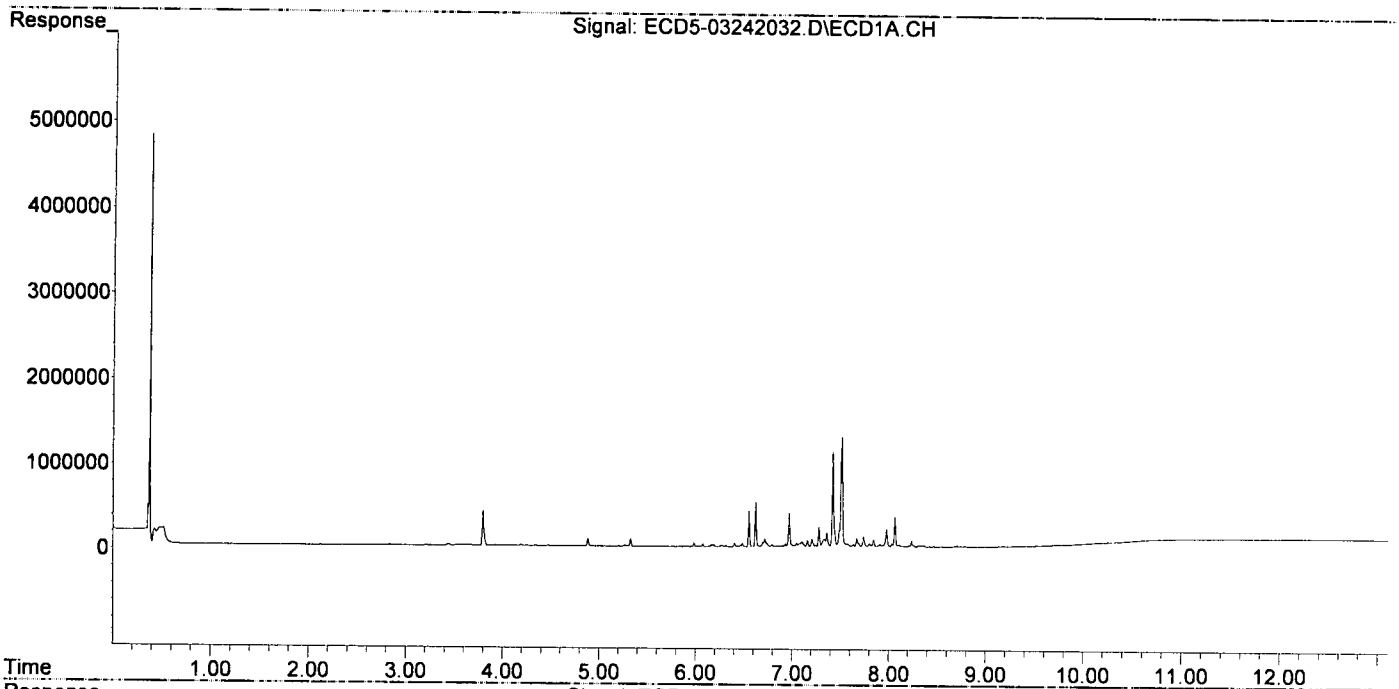
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.991 | 0 | 12009 | N.D. | 0.042 # |
| 22) S DCBP (S) | 9.597 | 0.000 | 3323 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 6.619f | 0 | 48137 | N.D. | 0.119 # |
| 3) g-BHC | 6.184f | 6.919 | 23959 | 23722 | 0.105 | 0.067 # |
| 4) b-BHC | 6.262f | 7.013f | 18071 | 71117 | 0.189 | 0.474 # |
| 5) Heptachlor | 6.621 | 7.285 | 521681 | 784144 | 2.342 | 2.340 |
| 6) d-BHC | 6.430 | 0.000 | 10612 | 0 | 0.054 | N.D. # |
| 7) Aldrin | 6.868 | 7.520f | 7912 | 27473 | 0.036 | 0.084 # |
| 8) Heptachlo... | 7.333 | 8.009 | 94017 | 49091 | 0.459 | 0.165 # |
| 9) trans-Chl... | 7.420 | 8.131 | 1102563 | 1787615 | 5.289 | 5.901 |
| 10) cis-Chlor... | 7.513 | 8.238 | 1304898 | 1475380 | 6.372 | 5.084 |
| 11) Endosulfa... | 7.633 | 8.308 | 32842 | 21558 | 0.170 | 0.079 # |
| 12) 4,4'-DDE | 7.573 | 8.334 | 39654 | 45943 | 0.201 | 0.160 |
| 13) Dieldrin | 7.800 | 8.491 | 43139 | 115473 | 0.203 | 0.388 # |
| 14) Endrin | 7.978f | 8.714 | 209243 | 41287 | 1.224 | 0.180 # |
| 15) 4,4'-DDD | 7.978f | 8.761 | 209243 | 305662 | 1.280 | 1.270 |
| 16) Endosulfa... | 8.112 | 8.876 | 25119 | 32969 | 0.150 | 0.137 |
| 17) 4,4'-DDT | 0.000 | 8.970 | 0 | 35247 | N.D. | 0.273 # |
| 18) Endrin Al... | 8.422f | 9.133f | 6826 | 110366 | 0.047 | 0.531 # |
| 19) Endosulfa... | 8.704 | 9.322f | 16850 | 9524 | 0.102 | 0.042 # |
| 20) Methoxychlor | 8.521 | 0.000 | 5212 | 0 | BelowCal | N.D. |
| 21) Endrin Ke... | 8.889 | 9.692 | 2079 | 19938 | 0.011 | 0.080 # |
| 23) Hexachlor... | 3.211 | 0.000 | 8067 | 0 | 11064.665 | N.D. # |
| 24) Hexachlor... | 0.000 | 6.472 | 0 | 7827 | N.D. | BelowCal |
| 25) Oxychlorthane | 7.247 | 7.933 | 22936 | 25695 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.333 | 8.131 | 94017 | 1787615 | 0.568 | 9.578 # |
| 27) trans-Non... | 7.513 | 8.194 | 1304898 | 1339860 | 6.695 | 4.681 # |
| 28) 2,4'-DDD | 7.669f | 8.491 | 100594 | 115473 | 0.669 | 0.440 # |
| 29) 2,4'-DDT | 7.910f | 8.714 | 31944 | 41287 | 0.120 | 0.111 |
| 30) cis-Nonac... | 7.978 | 8.761 | 209243 | 305662 | 0.805 | 0.847 |
| 31) Mirex | 0.000 | 9.692 | 0 | 19938 | N.D. | BelowCal |
| 32) Chlordane... | 7.420 | 8.131 | 1102563 | 1787615 | 47.235 | 45.366 # |
| 33) Chlordane... | 7.513 | 8.238 | 1304898 | 1475380 | 49.144 | 45.052 # |
| 34) Chlordane... | 8.063 | 8.902 | 352851 | 474158 | 48.538 | 46.335 # |
| 35) Chlordane... | 3.669f | 0.000 | 8128 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.513 | 8.491f | 1304898 | 115473 | 1255.686 | 41.059 # |
| 37) Toxaphene... | 7.800 | 8.817 | 43139 | 49914 | 20.529 | 13.965 # |
| 38) Toxaphene... | 8.112 | 8.852 | 25119 | 43660 | 6.162 | 7.819 # |
| 39) Toxaphene... | 8.339 | 8.902 | 19354 | 474158 | 4.927 | 53.722 # |
| 40) Toxaphene... | 8.547f | 9.133f | 6082 | 110366 | 1.983 | 22.334 # |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 42) Toxaphene... | 3.669f | 0.000 | 8128 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:39
 Operator : MJB
 Sample : 0C24036-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:01:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

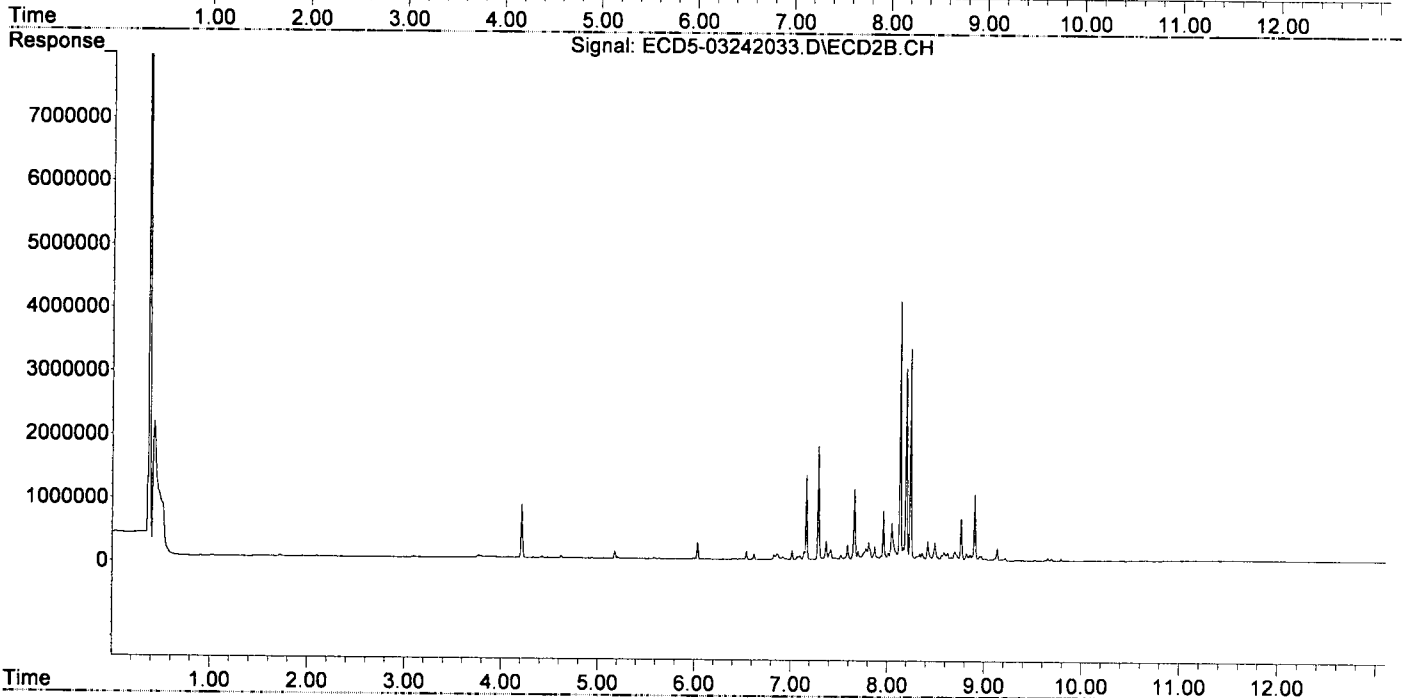
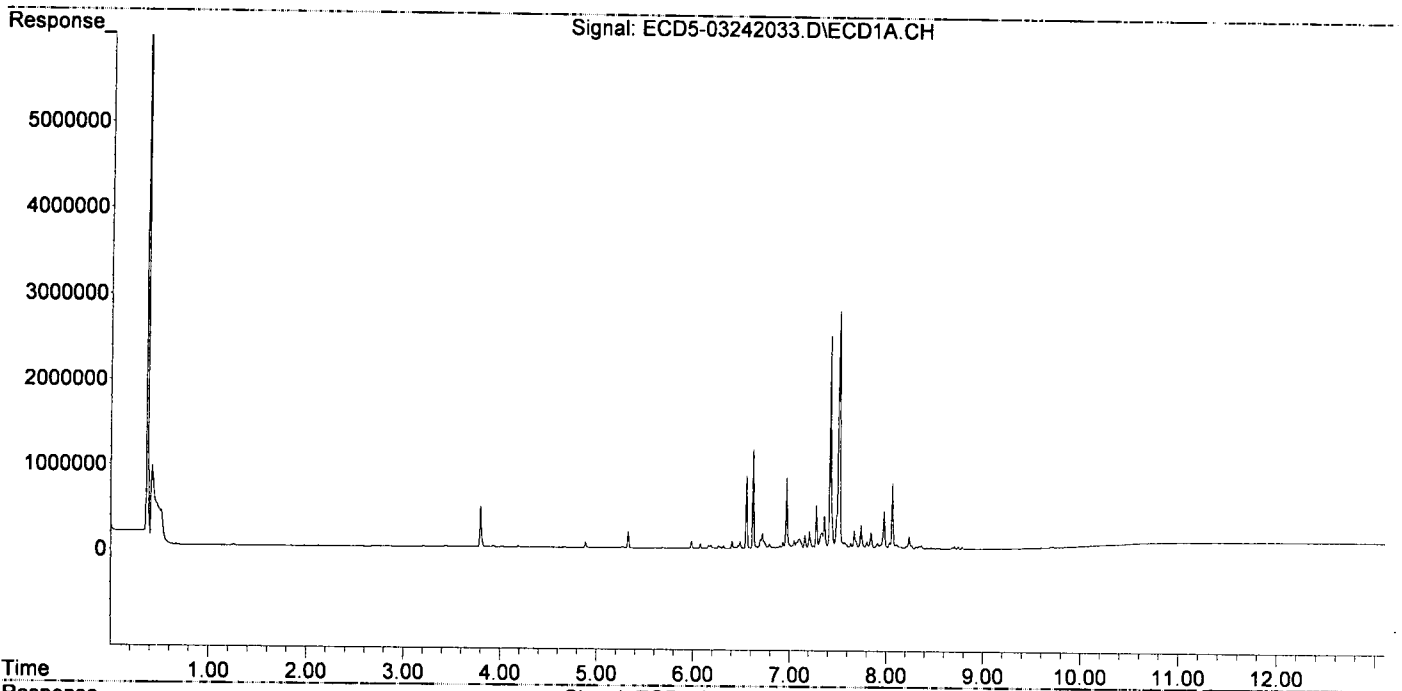
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.991 | 0 | 14380 | N.D. | 0.050 # |
| 22) S DCBP (S) | 9.598 | 0.000 | 4832 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.921 | 6.619f | 4450 | 96369 | 0.017 | 0.238 # |
| 3) g-BHC | 6.184f | 6.919 | 39631 | 52321 | 0.173 | 0.148 |
| 4) b-BHC | 6.262f | 7.013f | 36897 | 148392 | 0.386 | 0.989 # |
| 5) Heptachlor | 6.621 | 7.286 | 1161537 | 1797847 | 5.214 | 5.364 |
| 6) d-BHC | 6.403f | 0.000 | 92291 | 0 | 0.473 | N.D. # |
| 7) Aldrin | 6.868 | 7.521f | 18149 | 78765 | 0.082 | 0.242 # |
| 8) Heptachlo... | 7.332 | 8.010 | 194480 | 116761 | 0.949 | 0.392 # |
| 9) trans-Chl... | 7.419 | 8.131 | 2486496 | 4070319 | 11.928 | 13.436 |
| 10) cis-Chlor... | 7.513 | 8.239 | 2775023 | 3328222 | 13.551 | 11.470 |
| 11) Endosulfa... | 7.633 | 8.310 | 71349 | 63733 | 0.369 | 0.235 # |
| 12) 4,4'-DDE | 7.572 | 8.335 | 82315 | 103794 | 0.418 | 0.362 |
| 13) Dieldrin | 7.800 | 8.491 | 90386 | 285920 | 0.425 | 0.961 # |
| 14) Endrin | 7.978f | 8.734 | 449524 | 49825 | 2.630 | 0.218 # |
| 15) 4,4'-DDD | 7.978f | 8.762 | 449524 | 664912 | 2.751 | 2.763 |
| 16) Endosulfa... | 8.113 | 8.877 | 54959 | 79974 | 0.328 | 0.333 |
| 17) 4,4'-DDT | 0.000 | 8.998 | 0 | 27999 | N.D. | 0.228 # |
| 18) Endrin Al... | 8.422f | 9.073f | 15567 | 19250 | 0.106 | 0.093 |
| 19) Endosulfa... | 8.705 | 9.323f | 35887 | 17431 | 0.218 | 0.077 # |
| 20) Methoxychlor | 8.522 | 9.432f | 13456 | 6053 | 0.035 | BelowCal # |
| 21) Endrin Ke... | 8.888 | 9.693 | 4497 | 38333 | 0.024 | 0.154 # |
| 23) Hexachlor... | 3.212f | 3.692 | 8481 | 9401 | 11064.663 | BelowCal # |
| 24) Hexachlor... | 5.762 | 6.471 | 3735 | 10489 | BelowCal | BelowCal |
| 25) Oxychlordane | 7.246 | 7.933 | 39344 | 69611 | BelowCal | 0.018 |
| 26) 2,4'-DDE | 7.332 | 8.131 | 194480 | 4070319 | 1.402 | 21.804 # |
| 27) trans-Non... | 7.513 | 8.194 | 2775023 | 3014245 | 14.514 | 10.765 # |
| 28) 2,4'-DDD | 7.669f | 8.491 | 215305 | 285920 | 1.752 | 1.499 |
| 29) 2,4'-DDT | 7.910f | 8.734 | 71202 | 49825 | 0.515 | 0.173 # |
| 30) cis-Nonac... | 7.978 | 8.762 | 449524 | 664912 | 1.995 | 2.092 |
| 31) Mirex | 8.683f | 9.693 | 21925 | 38333 | 5765.190 | BelowCal # |
| 32) Chlordane... | 7.419 | 8.131 | 2486496 | 4070319 | 106.524 | 103.297 |
| 33) Chlordane... | 7.513 | 8.239 | 2775023 | 3328222 | 104.511 | 101.629 |
| 34) Chlordane... | 8.063 | 8.902 | 770343 | 1039600 | 105.967 | 101.591 |
| 35) Chlordane... | 3.671f | 3.692 | 7947 | 9401 | NoCal | NoCal |
| 36) Toxaphene... | 7.513 | 8.491f | 2775023 | 285920 | 2670.368 | 101.665 # |
| 37) Toxaphene... | 7.800 | 8.817 | 90386 | 113932 | 45.753 | 31.877 # |
| 38) Toxaphene... | 8.113 | 8.853 | 54959 | 97072 | 13.482 | 17.385 # |
| 39) Toxaphene... | 8.341 | 8.902 | 38999 | 1039600 | 9.928 | 122.370 # |
| 40) Toxaphene... | 8.547f | 9.073f | 14604 | 19250 | 4.761 | 3.896 |
| 41) Toxaphene... | 8.606f | 0.000 | 4539 | 0 | 1.133 | N.D. # |
| 42) Toxaphene... | 3.671f | 3.692 | 7947 | 9401 | NoCal | NoCal |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:56
 Operator : MJB
 Sample : 0C24036-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:01:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

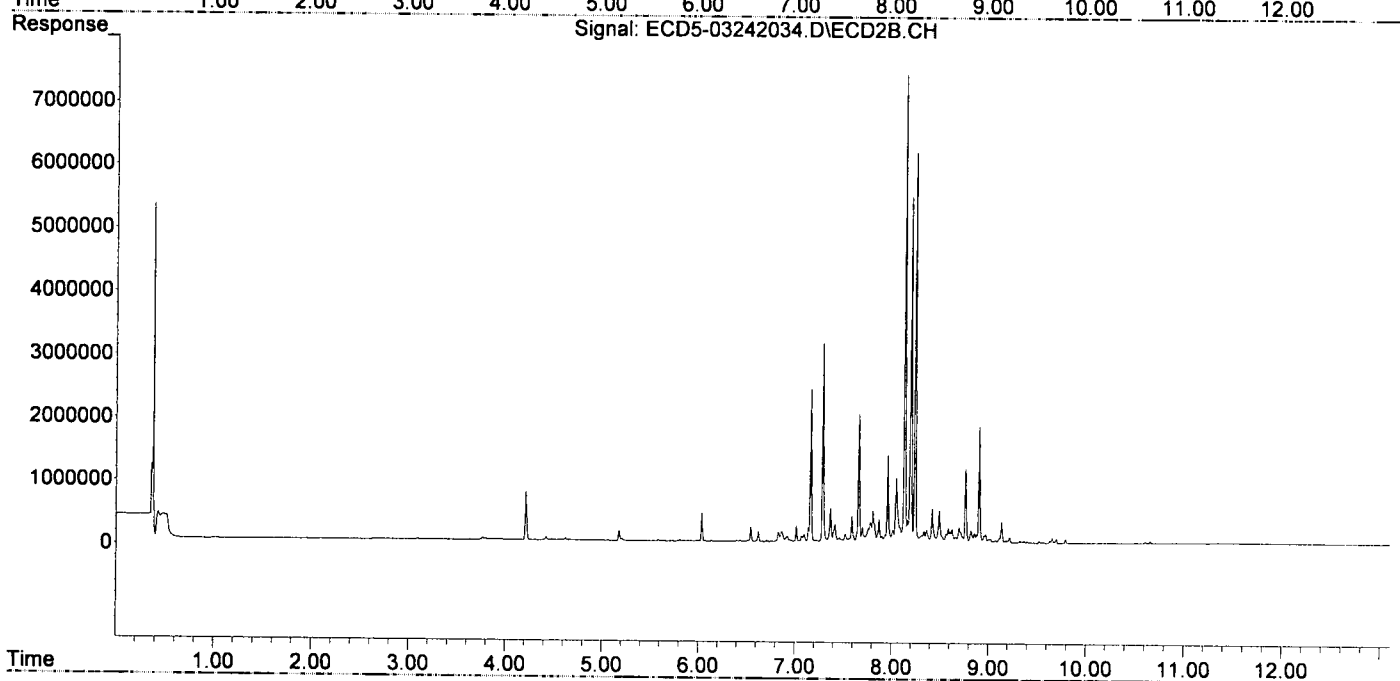
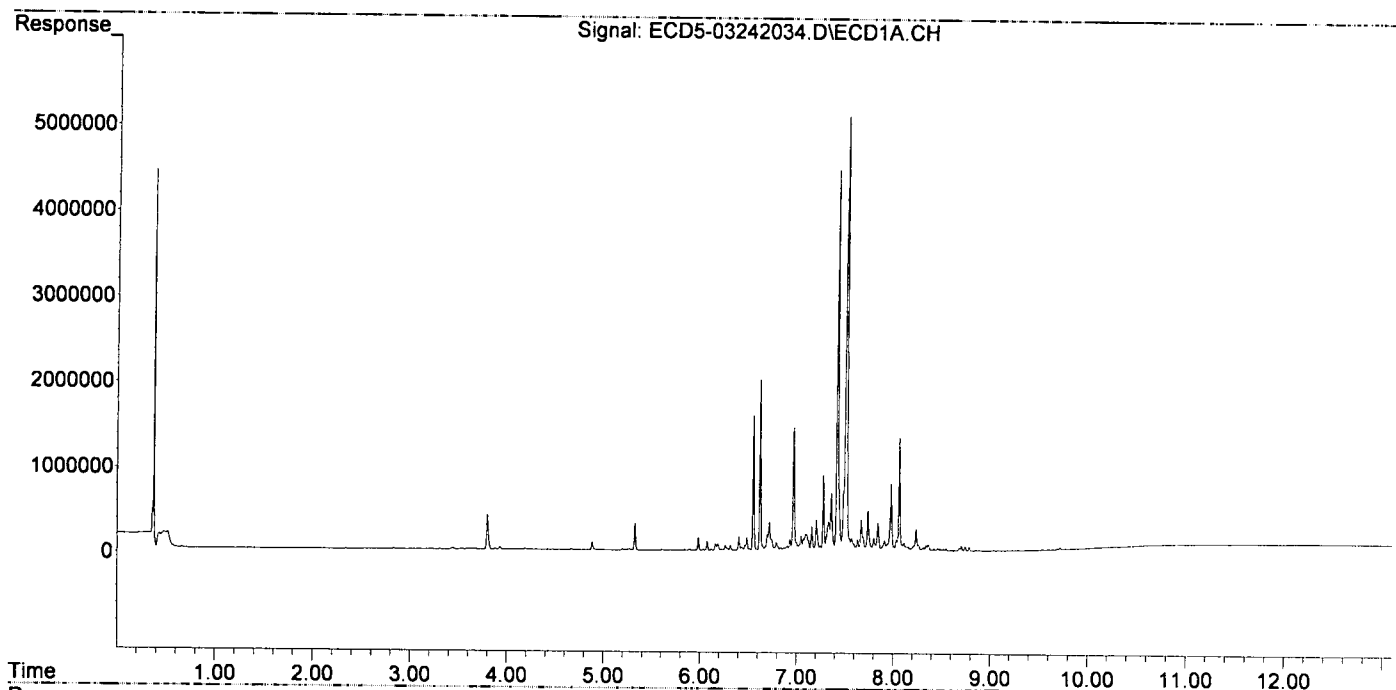
MJB
 3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|---------|---------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.993 | 0 | 10984 | N.D. | 0.038 # |
| 22) S DCBP (S) | 9.601 | 0.000 | 8353 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.896f | 6.621f | 9612 | 157744 | 0.037 | 0.389 # |
| 3) g-BHC | 6.186f | 6.921 | 80119 | 85909 | 0.350 | 0.243 # |
| 4) b-BHC | 6.263f | 7.015f | 64146 | 250595 | 0.670 | 1.670 # |
| 5) Heptachlor | 6.623 | 7.287 | 1982494 | 3134837 | 8.899 | 9.354 |
| 6) d-BHC | 6.431 | 7.220 | 43753 | 26304 | 0.224 | 0.081 # |
| 7) Aldrin | 6.870 | 7.522f | 33299 | 128799 | 0.150 | 0.395 # |
| 8) Heptachlo... | 7.334 | 8.012 | 344392 | 193279 | 1.680 | 0.649 # |
| 9) trans-Chl... | 7.421 | 8.132 | 4452138 | 7358273 | 21.357 | 24.289 |
| 10) cis-Chlor... | 7.514 | 8.241 | 5100975 | 6135095 | 24.909 | 21.143 |
| 11) Endosulfa... | 7.635f | 8.312f | 128505 | 103836 | 0.665 | 0.382 # |
| 12) 4,4'-DDE | 7.574 | 8.336 | 146598 | 178671 | 0.744 | 0.624 |
| 13) Dieldrin | 7.802 | 8.493 | 156776 | 489911 | 0.738 | 1.647 # |
| 14) Endrin | 7.979f | 8.716 | 778810 | 157685 | 4.556 | 0.689 # |
| 15) 4,4'-DDD | 7.979 | 8.763 | 778810 | 1156468 | 4.765 | 4.806 |
| 16) Endosulfa... | 8.115 | 8.855 | 96437 | 151655 | 0.576 | 0.632 |
| 17) 4,4'-DDT | 0.000 | 9.000 | 0 | 45790 | N.D. | 0.339 # |
| 18) Endrin Al... | 8.424f | 9.075f | 27114 | 31257 | 0.185 | 0.150 |
| 19) Endosulfa... | 8.707 | 9.324f | 57638 | 31042 | 0.351 | 0.136 # |
| 20) Methoxychlor | 8.524 | 9.434f | 23832 | 10395 | 0.197 | 0.041 # |
| 21) Endrin Ke... | 8.890 | 9.696 | 7159 | 63804 | 0.037 | 0.256 # |
| 23) Hexachlor... | 3.213f | 0.000 | 7480 | 0 | 11064.669 | N.D. # |
| 24) Hexachlor... | 5.761 | 6.430f | 6991 | 18312 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.248 | 7.935 | 60228 | 115573 | 0.100 | 0.207 # |
| 26) 2,4'-DDE | 7.334 | 8.132 | 344392 | 7358273 | 2.647 | 38.905 # |
| 27) trans-Non... | 7.514 | 8.196 | 5100975 | 5432733 | 26.850 | 19.424 # |
| 28) 2,4'-DDD | 7.671f | 8.493 | 363157 | 489911 | 3.146 | 2.763 |
| 29) 2,4'-DDT | 7.912f | 8.716 | 121684 | 157685 | 1.024 | 0.948 |
| 30) cis-Nonac... | 7.979 | 8.763 | 778810 | 1156468 | 3.624 | 3.790 |
| 31) Mirex | 8.639 | 9.696 | 5423 | 63804 | 5765.316 | BelowCal # |
| 32) Chlordane... | 7.421 | 8.132 | 4452138 | 7358273 | 190.734 | 186.738 |
| 33) Chlordane... | 7.514 | 8.241 | 5100975 | 6135095 | 192.110 | 187.338 |
| 34) Chlordane... | 8.065 | 8.904 | 1329346 | 1823031 | 182.862 | 178.148 |
| 35) Chlordane... | 3.671f | 0.000 | 6903 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.514f | 8.493f | 5100975 | 489911 | 4908.602 | 174.197 # |
| 37) Toxaphene... | 7.802 | 8.819 | 156776 | 193729 | 81.328 | 54.203 # |
| 38) Toxaphene... | 8.115 | 8.855 | 96437 | 151655 | 23.657 | 27.161 |
| 39) Toxaphene... | 8.343 | 8.904 | 62277 | 1823031 | 15.854 | 216.428 # |
| 40) Toxaphene... | 8.549 | 9.075 | 26104 | 31257 | 8.510 | 6.325 # |
| 41) Toxaphene... | 8.639 | 0.000 | 5423 | 0 | 1.354 | N.D. # |
| 42) Toxaphene... | 3.671f | 0.000 | 6903 | 0 | NoCal | N.D. |

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:56
 Operator : MJB
 Sample : 0C24036-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:01:16 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:14
 Operator : MJB
 Sample : 0C24036-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:01:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

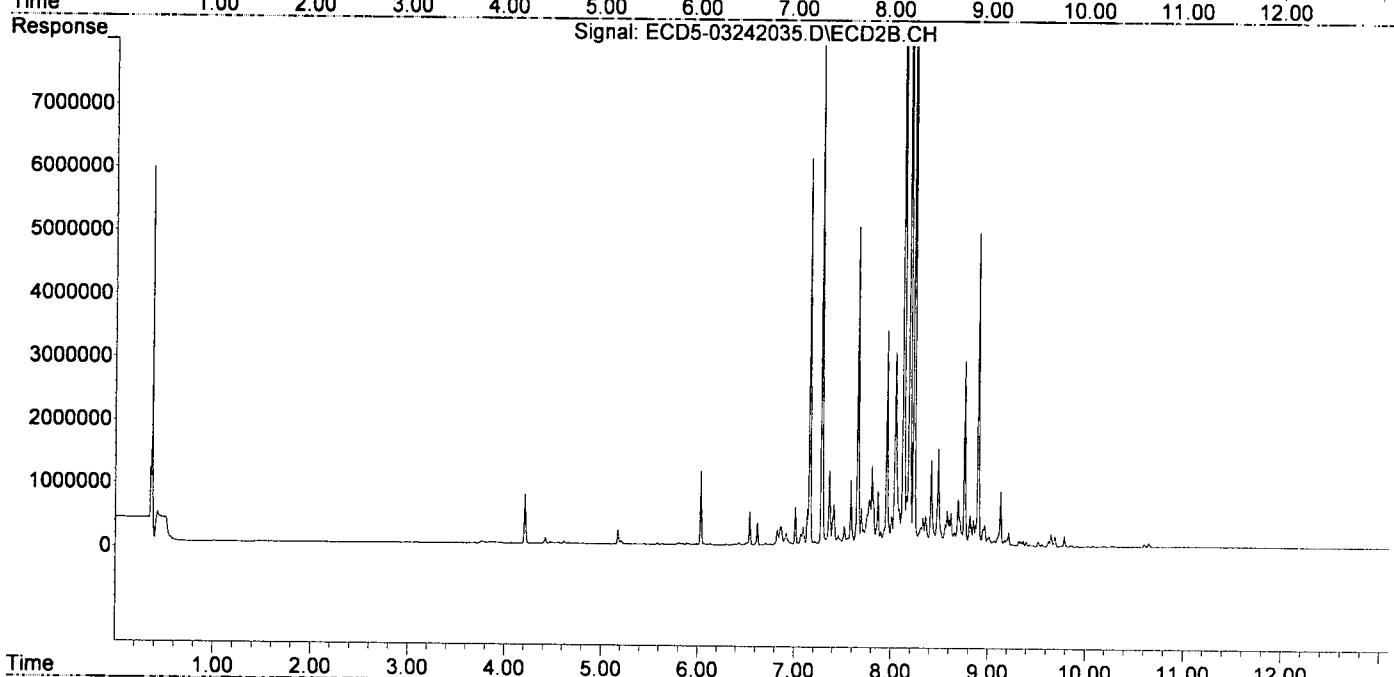
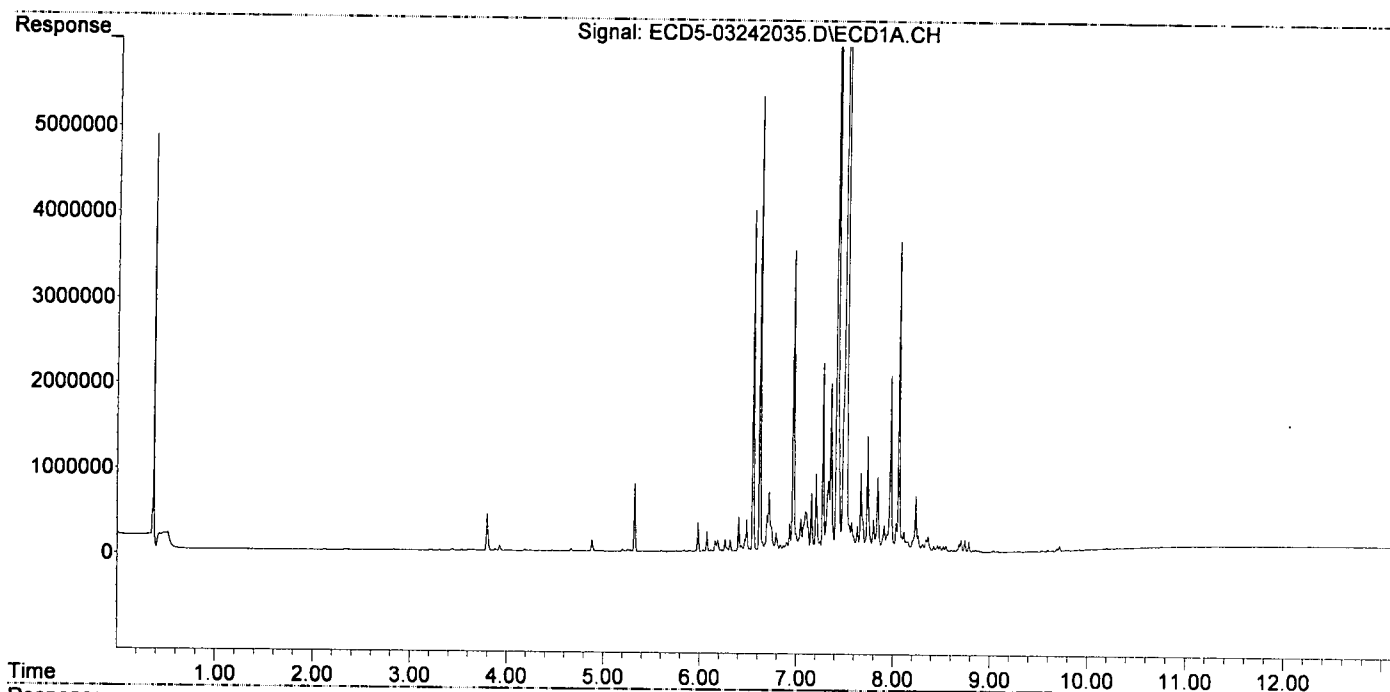
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|----------|----------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.990 | 5638 | 14212 | 0.029 | 0.050 # |
| 22) S DCBP (S) | 9.598 | 10.518f | 23312 | 8248 | BelowCal | 0.049 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.894f | 6.619f | 15594 | 354560 | 0.059 | 0.875 # |
| 3) g-BHC | 6.229 | 6.919 | 18975 | 199767 | 0.083 | 0.565 # |
| 4) b-BHC | 6.262f | 7.013f | 144548 | 596093 | 1.511 | 3.973 # |
| 5) Heptachlor | 6.621 | 7.286 | 5329062 | 8103259 | 23.920 | 24.178 |
| 6) d-BHC | 6.403f | 7.218 | 401476 | 65440 | 2.058 | 0.200 # |
| 7) Aldrin | 6.868 | 7.559 | 76629 | 116433 | 0.345 | 0.357 |
| 8) Heptachlo... | 7.332 | 8.010 | 831897 | 468134 | 4.059 | 1.573 # |
| 9) trans-Chl... | 7.419 | 8.131 | 11350035 | 19167147 | 54.447 | 63.269 |
| 10) cis-Chlor... | 7.513 | 8.239 | 12743783 | 16083461 | 62.230 | 55.427 |
| 11) Endosulfa... | 7.632 | 8.312f | 304424 | 296670 | 1.575 | 1.092 # |
| 12) 4,4'-DDE | 7.572 | 8.334 | 346977 | 441985 | 1.760 | 1.544 |
| 13) Dieldrin | 7.800 | 8.490 | 378919 | 1530281 | 1.783 | 5.144 # |
| 14) Endrin | 7.977f | 8.734 | 2066669 | 222788 | 12.091 | 0.973 # |
| 15) 4,4'-DDD | 7.977f | 8.762 | 2066669 | 2919714 | 12.646 | 12.134 |
| 16) Endosulfa... | 8.113 | 8.876 | 239019 | 347036 | 1.427 | 1.447 |
| 17) 4,4'-DDT | 0.000 | 8.999 | 0 | 131971 | N.D. | 0.873 # |
| 18) Endrin Al... | 8.422f | 9.073f | 72166 | 101651 | 0.493 | 0.489 |
| 19) Endosulfa... | 8.705 | 9.322f | 142508 | 91899 | 0.867 | 0.404 # |
| 20) Methoxychlor | 8.521 | 9.469 | 70549 | 23105 | 0.925 | 0.194 # |
| 21) Endrin Ke... | 8.887 | 9.694 | 21935 | 162588 | 0.115 | 0.652 # |
| 23) Hexachlor... | 3.212f | 0.000 | 7608 | 0 | 11064.668 | N.D. # |
| 24) Hexachlor... | 5.759 | 6.472 | 11444 | 10909 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.246 | 7.934 | 129042 | 280002 | 0.508 | 0.884 # |
| 26) 2,4'-DDE | 7.332 | 8.131 | 831897 | 19167147 | 6.688 | 96.138 # |
| 27) trans-Non... | 7.513 | 8.195 | 12743783 | 14197437 | 67.091 | 49.645 # |
| 28) 2,4'-DDD | 7.668f | 8.490 | 926441 | 1530281 | 8.451 | 9.166 |
| 29) 2,4'-DDT | 7.909f | 8.734 | 311217 | 222788 | 2.928 | 1.415 # |
| 30) cis-Nonac... | 7.977 | 8.762 | 2066669 | 2919714 | 9.983 | 9.833 |
| 31) Mirex | 8.636 | 9.694 | 23968 | 162588 | 5765.174 | 0.516 # |
| 32) Chlordane... | 7.419 | 8.131 | 11350035 | 19167147 | 486.247 | 486.424 # |
| 33) Chlordane... | 7.513 | 8.239 | 12743783 | 16083461 | 479.949 | 491.117 # |
| 34) Chlordane... | 8.063 | 8.902 | 3611630 | 4941415 | 496.809 | 482.879 # |
| 35) Chlordane... | 3.668f | 0.000 | 7284 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.513 | 8.490f | 12743783 | 1530281 | 12263.176 | 544.122 # |
| 37) Toxaphene... | 7.800 | 8.818 | 378919 | 477475 | 201.487 | 133.592 # |
| 38) Toxaphene... | 8.113 | 8.853 | 239019 | 415809 | 58.633 | 74.471 # |
| 39) Toxaphene... | 8.341 | 8.902 | 151892 | 4941415 | 38.668 | 579.507 # |
| 40) Toxaphene... | 8.547f | 9.073f | 73504 | 101651 | 23.962 | 20.570 |
| 41) Toxaphene... | 8.636 | 9.469 | 23968 | 23105 | 5.984 | 4.275 # |
| 42) Toxaphene... | 3.668f | 0.000 | 7284 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:14
Operator : MJB
Sample : 0C24036-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:31
 Operator : MJB
 Sample : 0C24036-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:02:17 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

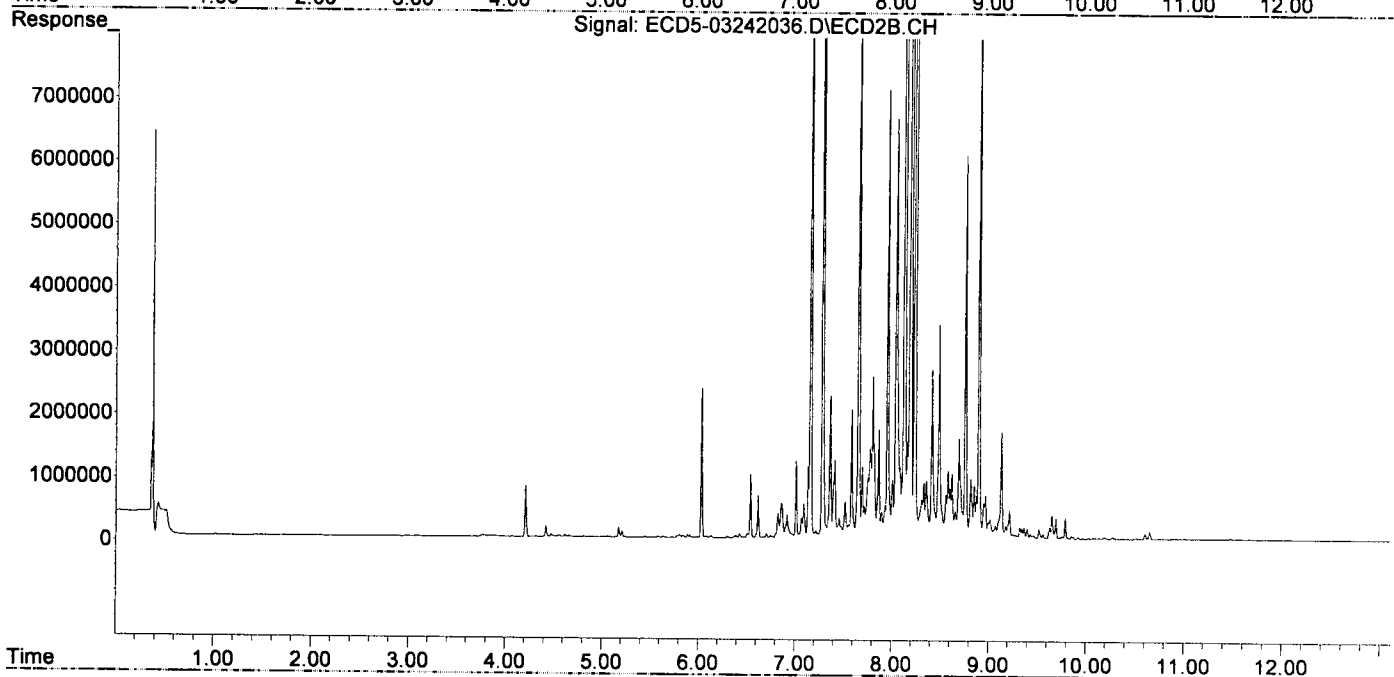
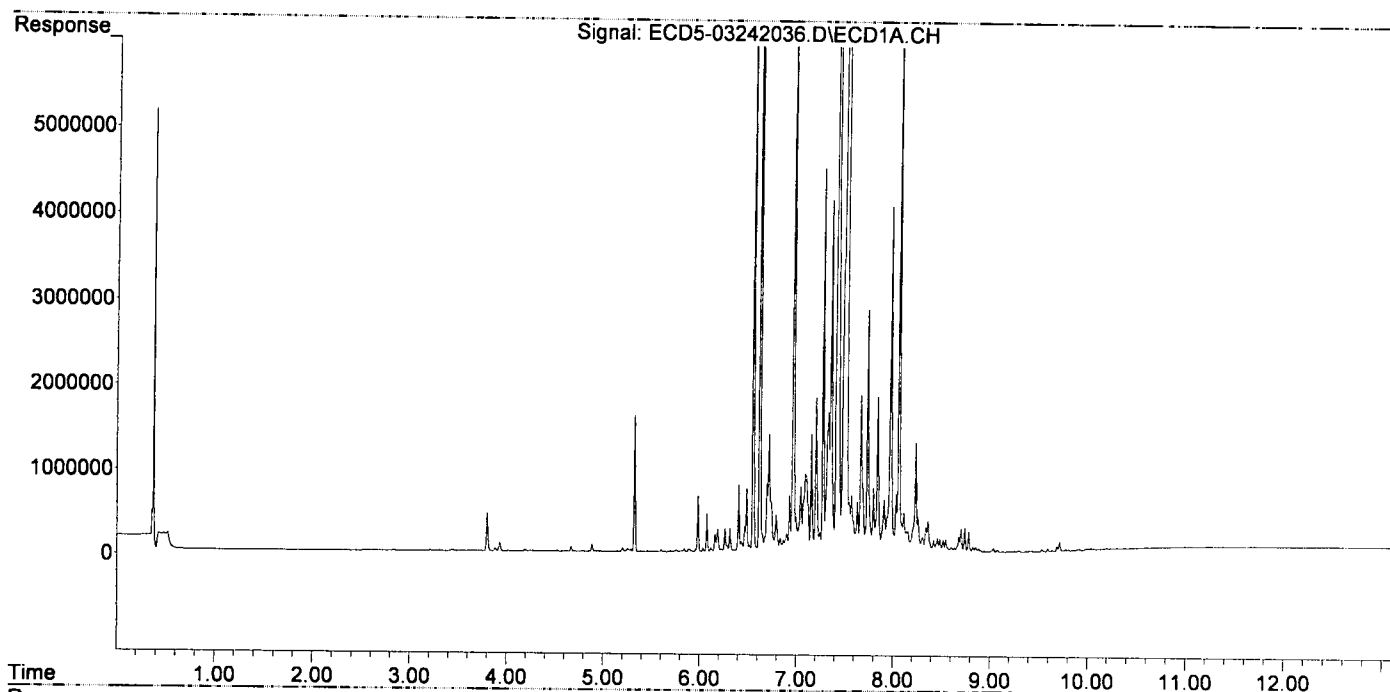
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.990 | 10402 | 14837 | 0.054 | 0.052 |
| 22) S DCBP (S) | 9.598 | 10.563 | 39513 | 8796 | 0.088 | 0.052 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.894f | 6.619f | 32120 | 668750 | 0.122 | 1.650 # |
| 3) g-BHC | 6.228 | 6.920 | 33790 | 369677 | 0.148 | 1.045 # |
| 4) b-BHC | 6.261f | 7.013f | 274893 | 1221894 | 2.873 | 8.144 # |
| 5) Heptachlor | 6.621 | 7.286 | 10559537 | 17018919 | 47.398 | 50.781 |
| 6) d-BHC | 6.403f | 7.218 | 793537 | 115969 | 4.067 | 0.355 # |
| 7) Aldrin | 6.868 | 7.558 | 145869 | 211135 | 0.657 | 0.648 |
| 8) Heptachlo... | 7.332 | 8.009 | 1645734 | 929398 | 8.030 | 3.122 # |
| 9) trans-Chl... | 7.419 | 8.132 | 23335625 | 41978790 | 111.942 | 138.567 |
| 10) cis-Chlor... | 7.512 | 8.239 | 26067771 | 33852266 | 127.293 | 116.662 |
| 11) Endosulfa... | 7.632 | 8.311 | 596107 | 612938 | 3.083 | 2.256 # |
| 12) 4,4'-DDE | 7.571 | 8.334 | 667832 | 881785 | 3.388 | 3.079 |
| 13) Dieldrin | 7.799 | 8.491 | 758158 | 3372114 | 3.568 | 11.334 # |
| 14) Endrin | 7.977f | 8.734 | 4041549 | 440965 | 23.644 | 1.926 # |
| 15) 4,4'-DDD | 7.977f | 8.761 | 4041549 | 6030821 | 24.729 | 25.064 |
| 16) Endosulfa... | 8.112 | 8.876 | 463069 | 684009 | 2.764 | 2.851 |
| 17) 4,4'-DDT | 8.236f | 8.998 | 1284977 | 257283 | 10.344 | 1.646 # |
| 18) Endrin Al... | 8.422f | 9.073f | 145358 | 207591 | 0.993 | 0.998 |
| 19) Endosulfa... | 8.704 | 9.274f | 277138 | 68825 | 1.685 | 0.302 # |
| 20) Methoxychlor | 8.521 | 9.468 | 145355 | 52373 | 2.088 | 0.546 # |
| 21) Endrin Ke... | 8.887 | 9.694 | 46777 | 320626 | 0.245 | 1.286 # |
| 23) Hexachlor... | 3.213f | 0.000 | 8910 | 0 | 11064.661 | N.D. # |
| 24) Hexachlor... | 5.758 | 6.471 | 22163 | 13376 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.245 | 7.933 | 233685 | 519723 | 1.128 | 1.870 # |
| 26) 2,4'-DDE | 7.332 | 8.132 | 1645734 | 41978790 | 13.408 | 193.007 # |
| 27) trans-Non... | 7.512 | 8.195 | 26067771 | 30389069 | 136.204 | 101.436 # |
| 28) 2,4'-DDD | 7.668f | 8.491 | 1834007 | 3372114 | 16.969 | 20.324 |
| 29) 2,4'-DDT | 7.908f | 8.734 | 623704 | 440965 | 6.051 | 2.972 # |
| 30) cis-Nonac... | 7.977 | 8.761 | 4041549 | 6030821 | 19.696 | 20.315 |
| 31) Mirex | 8.636 | 9.694 | 53354 | 320626 | 0.006 | 1.451 # |
| 32) Chlordane... | 7.419 | 8.132 | 23335625 | 41978790 | 999.721 | 1065.339 # |
| 33) Chlordane... | 7.512 | 8.239 | 26067771 | 33852266 | 981.750 | 1033.697 # |
| 34) Chlordane... | 8.063 | 8.902 | 7301807 | 10417487 | 1004.422 | 1018.005 # |
| 35) Chlordane... | 3.671f | 0.000 | 7388 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.512 | 8.491f | 26067771 | 3372114 | 25084.675 | 1199.022 # |
| 37) Toxaphene... | 7.799 | 8.818 | 758158 | 952820 | 410.815 | 266.588 # |
| 38) Toxaphene... | 8.112 | 8.853 | 463069 | 845939 | 113.593 | 151.506 # |
| 39) Toxaphene... | 8.341 | 8.902 | 290700 | 10417487 | 74.005 | 1178.960 # |
| 40) Toxaphene... | 8.547f | 9.073f | 146954 | 207591 | 47.907 | 42.008 |
| 41) Toxaphene... | 8.636 | 9.468 | 53354 | 52373 | 13.320 | 9.690 # |
| 42) Toxaphene... | 3.671f | 0.000 | 7388 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:17 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:48
 Operator : MJB
 Sample : 0C24036-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:02:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJP
3/25/20*

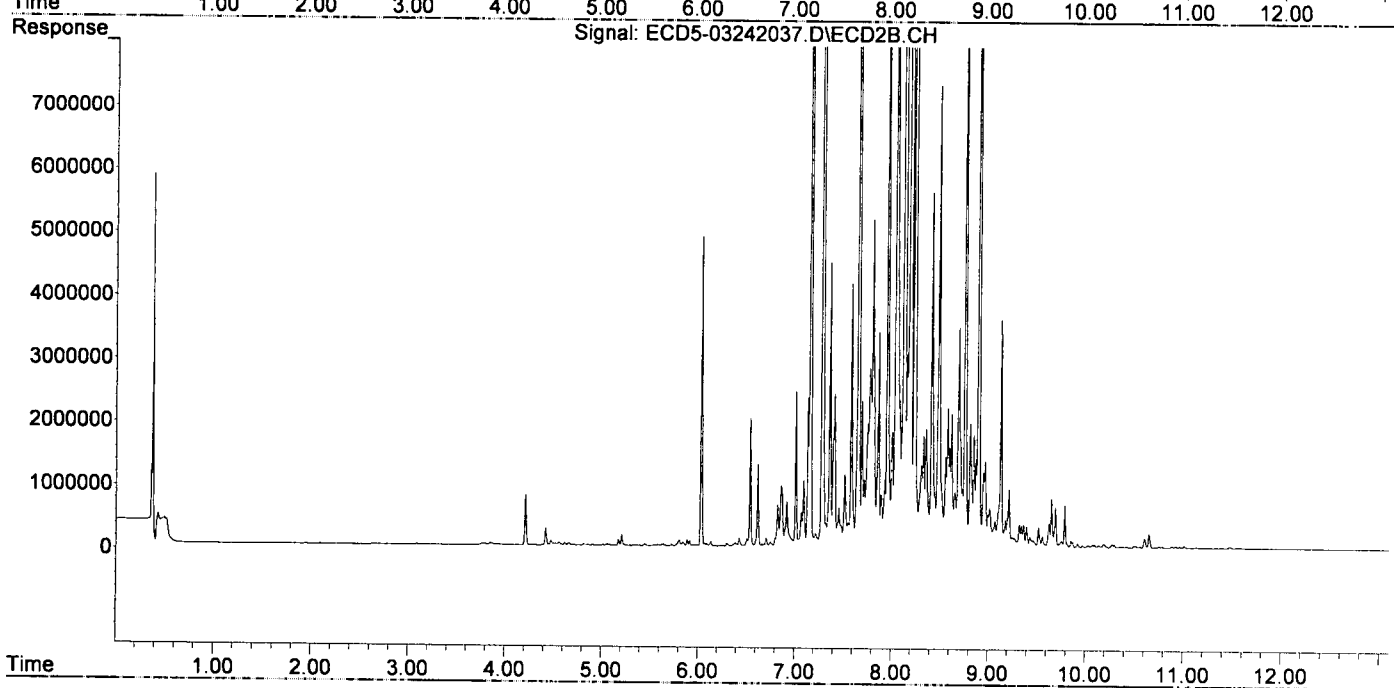
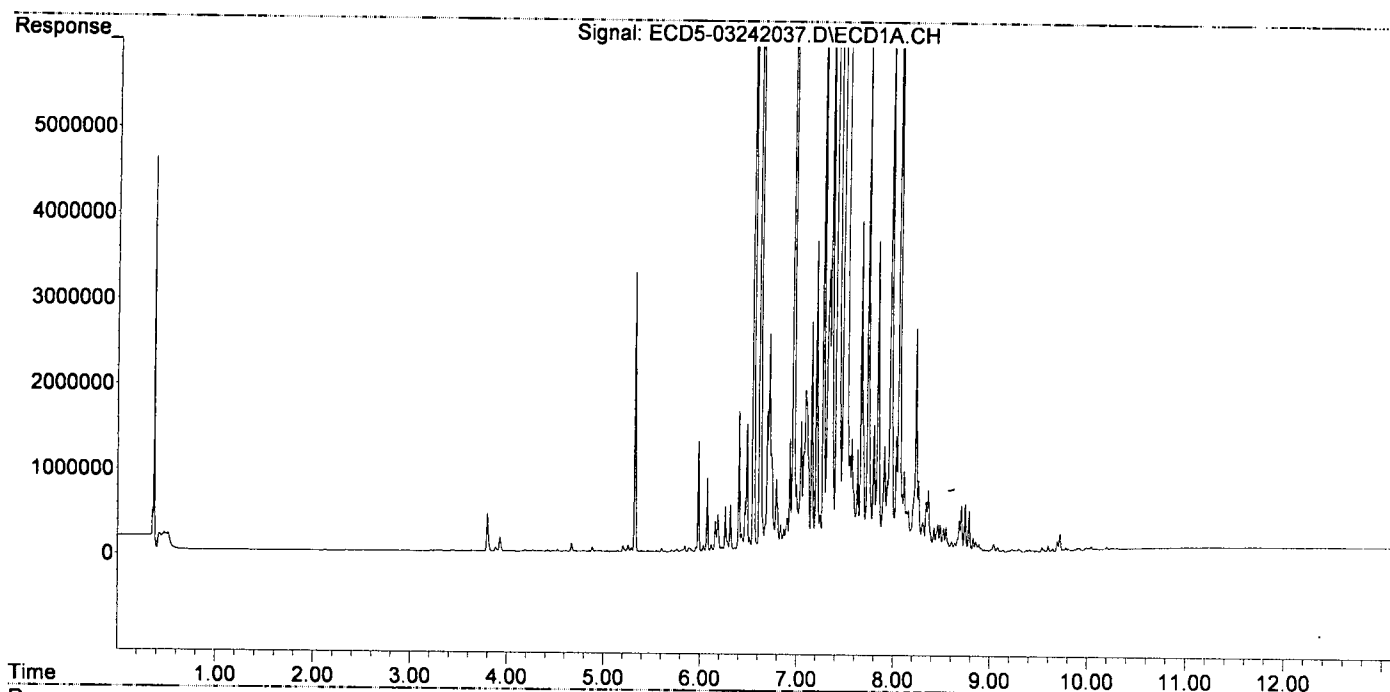
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|----------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.389 | 5.989 | 18457 | 18826 | 0.096 | 0.066 # |
| 22) S DCBP (S) | 9.598 | 10.562 | 72257 | 17797 | 0.308 | 0.105 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 6.619f | 0 | 1290422 | N.D. | 3.185 # |
| 3) g-BHC | 6.229 | 6.919 | 56218 | 700746 | 0.246 | 1.981 # |
| 4) b-BHC | 6.313f | 7.012f | 556720 | 2432258 | 5.819 | 16.211 # |
| 5) Heptachlor | 6.621 | 7.286 | 21517816 | 36145585 | 96.586 | 107.850 |
| 6) d-BHC | 6.402f | 7.218 | 1649022 | 209468 | 8.451 | 0.641 # |
| 7) Aldrin | 6.867 | 7.556 | 271799 | 385301 | 1.224 | 1.182 |
| 8) Heptachlo... | 7.331 | 8.008 | 3334824 | 1806899 | 16.271 | 6.071 # |
| 9) trans-Chl... | 7.418 | 8.132 | 46999488 | 87406745 | 225.459 | 288.520 # |
| 10) cis-Chlor... | 7.513 | 8.239 | 53385654 | 71173749 | 260.691 | 245.280 |
| 11) Endosulfa... | 7.631 | 8.311f | 1208920 | 1285035 | 6.253 | 4.729 |
| 12) 4,4'-DDE | 7.570 | 8.333 | 1328086 | 1745459 | 6.738 | 6.096 |
| 13) Dieldrin | 7.798 | 8.490 | 1491299 | 7270647 | 7.019 | 24.438 # |
| 14) Endrin | 7.976f | 8.734 | 8106592 | 919179 | 47.426 | 4.014 # |
| 15) 4,4'-DDD | 7.976f | 8.761 | 8106592 | 12564149 | 49.603 | 52.217 |
| 16) Endosulfa... | 8.112 | 8.875 | 950624 | 1384678 | 5.674 | 5.772 |
| 17) 4,4'-DDT | 8.235f | 8.998 | 2633573 | 515630 | 20.840 | 3.229 # |
| 18) Endrin Al... | 8.422f | 9.133f | 286678 | 3583262 | 1.959 | 17.227 # |
| 19) Endosulfa... | 8.704 | 9.274f | 549271 | 146940 | 3.340 | 0.645 # |
| 20) Methoxychlor | 8.520 | 9.468 | 284619 | 111616 | 4.244 | 1.256 # |
| 21) Endrin Ke... | 8.887 | 9.693 | 94901 | 631971 | 0.497 | 2.535 # |
| 23) Hexachlor... | 3.212f | 0.000 | 7100 | 0 | 11064.671 | N.D. # |
| 24) Hexachlor... | 5.759 | 6.427f | 34164 | 133032 | BelowCal | 0.238 |
| 25) Oxychlorane | 7.243 | 7.932 | 440432 | 1056373 | 2.353 | 4.070 # |
| 26) 2,4'-DDE | 7.331 | 8.132 | 3334824 | 87406745 | 27.262 | 352.919 # |
| 27) trans-Non... | 7.513 | 8.195 | 53385654 | 63786215 | 274.036 | 196.046 # |
| 28) 2,4'-DDD | 7.667f | 8.490 | 3833738 | 7270647 | 35.611 | 43.251 |
| 29) 2,4'-DDT | 7.907f | 8.734 | 1250334 | 919179 | 12.254 | 6.351 # |
| 30) cis-Nonac... | 7.976 | 8.761 | 8106592 | 12564149 | 39.546 | 41.636 |
| 31) Mirex | 8.636 | 9.693 | 110717 | 631971 | 0.444 | 3.291 # |
| 32) Chlordane... | 7.418 | 8.132 | 46999488 | 87406745 | 2013.505 | 2218.211 # |
| 33) Chlordane... | 7.513 | 8.239 | 53385654 | 71173749 | 2010.581 | 2173.328 # |
| 34) Chlordane... | 8.062 | 8.901 | 14906306 | 22418158 | 2050.483 | 2190.720 # |
| 35) Chlordane... | 3.672f | 0.000 | 6347 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.513 | 8.490f | 53385654 | 7270647 | 51372.318 | 2585.223 # |
| 37) Toxaphene... | 7.798 | 8.816 | 1491299 | 1943186 | 831.960 | 543.681 # |
| 38) Toxaphene... | 8.112 | 8.853 | 950624 | 1761310 | 233.193 | 315.448 # |
| 39) Toxaphene... | 8.340 | 8.901 | 589483 | 22418158 | 150.067 | 2361.671 # |
| 40) Toxaphene... | 8.547f | 9.072f | 294988 | 417200 | 96.166 | 84.425 |
| 41) Toxaphene... | 8.636 | 9.468 | 110717 | 111616 | 27.640 | 20.652 # |
| 42) Toxaphene... | 3.672f | 0.000 | 6347 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:39
 Operator : MJB
 Sample : 0C24036-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

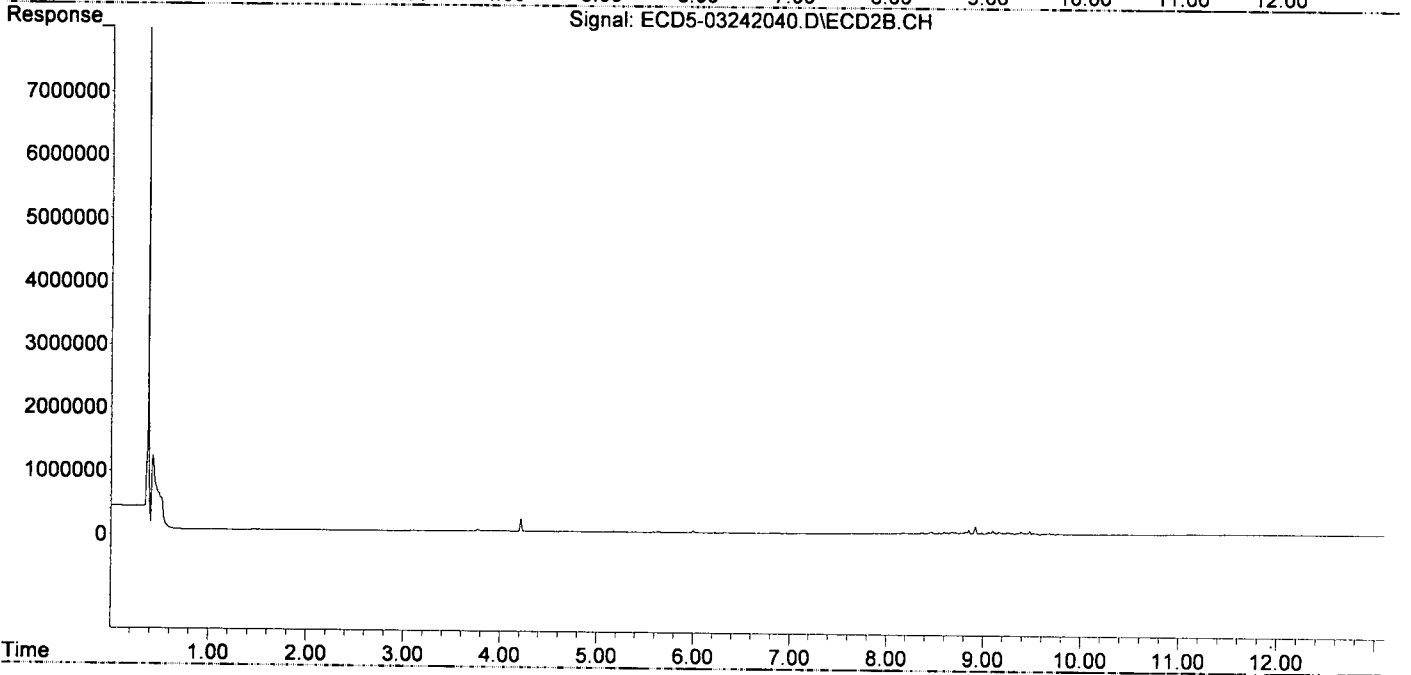
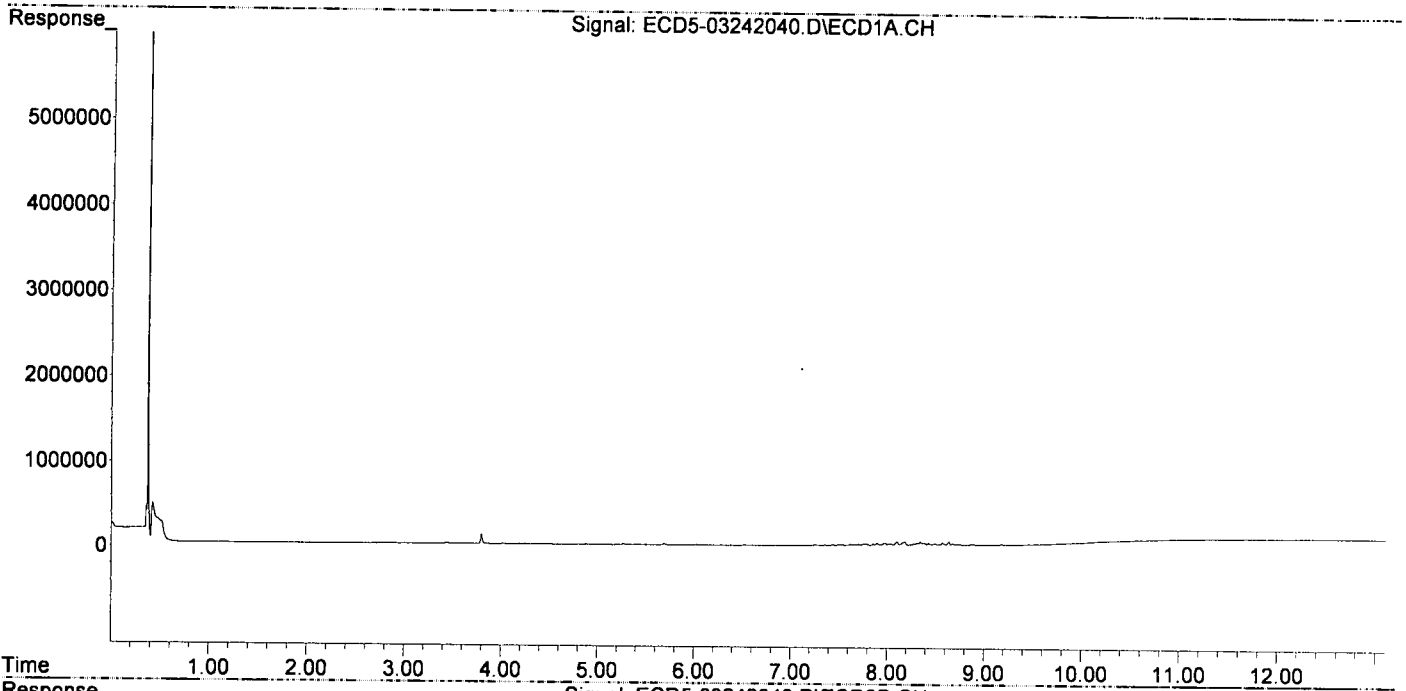
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|--------|--------|----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.997 | 0 | 30983 | N.D. | 0.108 # |
| 22) S DCBP (S) | 9.552f | 0.000 | 2121 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 8) Heptachlo... | 7.355f | 7.987 | 5997 | 8323 | 0.029 | 0.028 |
| 9) trans-Chl... | 7.406 | 8.114 | 5150 | 5725 | 0.025 | 0.019 |
| 10) cis-Chlor... | 7.499 | 8.266f | 11225 | 7336 | 0.055 | 0.025 # |
| 11) Endosulfa... | 7.625 | 8.297 | 14022 | 11737 | 0.073 | 0.043 # |
| 12) 4,4'-DDE | 7.546f | 8.363 | 10597 | 15330 | 0.054 | 0.054 |
| 13) Dieldrin | 7.791 | 8.510 | 23053 | 15516 | 0.109 | 0.052 # |
| 14) Endrin | 7.933 | 8.714 | 12460 | 27738 | 0.073 | 0.121 # |
| 15) 4,4'-DDD | 8.018 | 8.765 | 17175 | 18368 | 0.105 | 0.076 # |
| 16) Endosulfa... | 8.103 | 8.853 | 47213 | 64506 | 0.282 | 0.269 |
| 17) 4,4'-DDT | 8.184 | 8.983 | 39370 | 21822 | 0.305 | 0.190 # |
| 18) Endrin Al... | 8.389 | 9.097 | 28639 | 54945 | 0.196 | 0.264 # |
| 19) Endosulfa... | 8.708 | 9.298 | 13840 | 19059 | 0.084 | 0.084 |
| 20) Methoxychlor | 8.541 | 9.478 | 10664 | 60756 | BelowCal | 0.646 |
| 21) Endrin Ke... | 8.891 | 9.683 | 10196 | 16919 | 0.053 | 0.068 # |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 25) Oxychlorane | 7.257 | 7.937 | 10991 | 9497 | BelowCal | BelowCal |
| 26) 2,4'-DDE | 7.355f | 8.114 | 5997 | 5725 | BelowCal | BelowCal |
| 27) trans-Non... | 7.499 | 8.181 | 11225 | 14003 | BelowCal | BelowCal |
| 28) 2,4'-DDD | 7.709 | 8.510 | 15009 | 15516 | BelowCal | BelowCal |
| 29) 2,4'-DDT | 7.896 | 8.714 | 24597 | 27738 | 0.045 | 0.013 # |
| 30) cis-Nonac... | 7.979 | 8.765 | 29825 | 18368 | BelowCal | BelowCal |
| 31) Mirex | 8.639 | 9.683 | 45333 | 16919 | 5765.011 | BelowCal # |
| 32) Chlordane... | 7.406 | 8.114 | 5150 | 5725 | 0.221 | 0.145 # |
| 33) Chlordane... | 7.499 | 8.266f | 11225 | 7336 | 0.423 | 0.224 # |
| 34) Chlordane... | 8.044 | 8.920 | 16782 | 116261 | 2.308 | 11.361 # |
| 35) Chlordane... | 3.678f | 0.000 | 4794 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.499 | 8.471 | 11225 | 31297 | 10.801 | 11.128 |
| 37) Toxaphene... | 7.791 | 8.817 | 23053 | 38990 | 9.829 | 10.909 |
| 38) Toxaphene... | 8.103 | 8.853 | 47213 | 64506 | 11.582 | 11.553 |
| 39) Toxaphene... | 8.343 | 8.920 | 47569 | 116261 | 12.110 | 9.932 |
| 40) Toxaphene... | 8.571 | 9.097 | 32950 | 54945 | 10.742 | 11.119 |
| 41) Toxaphene... | 8.639 | 9.478 | 45333 | 60756 | 11.317 | 11.242 |
| 42) Toxaphene... | 3.678f | 0.000 | 4794 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:56
 Operator : MJB
 Sample : 0C24036-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

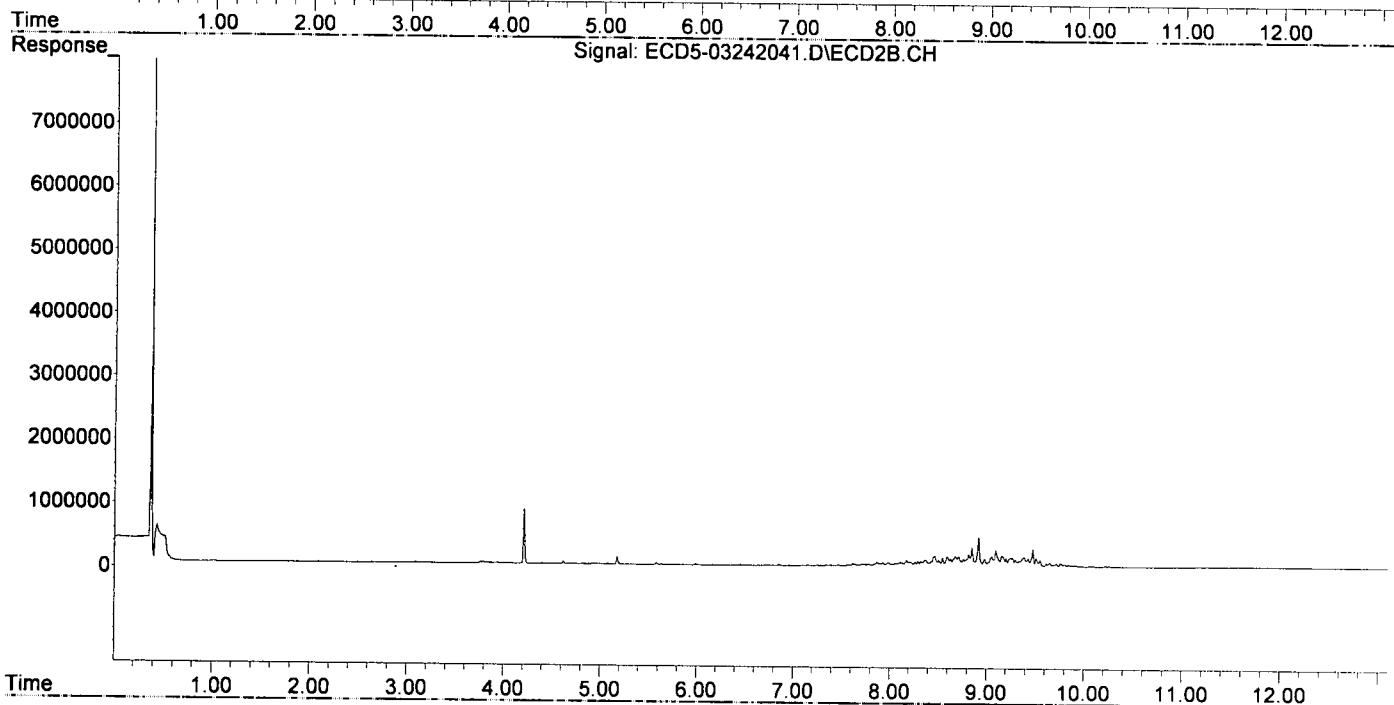
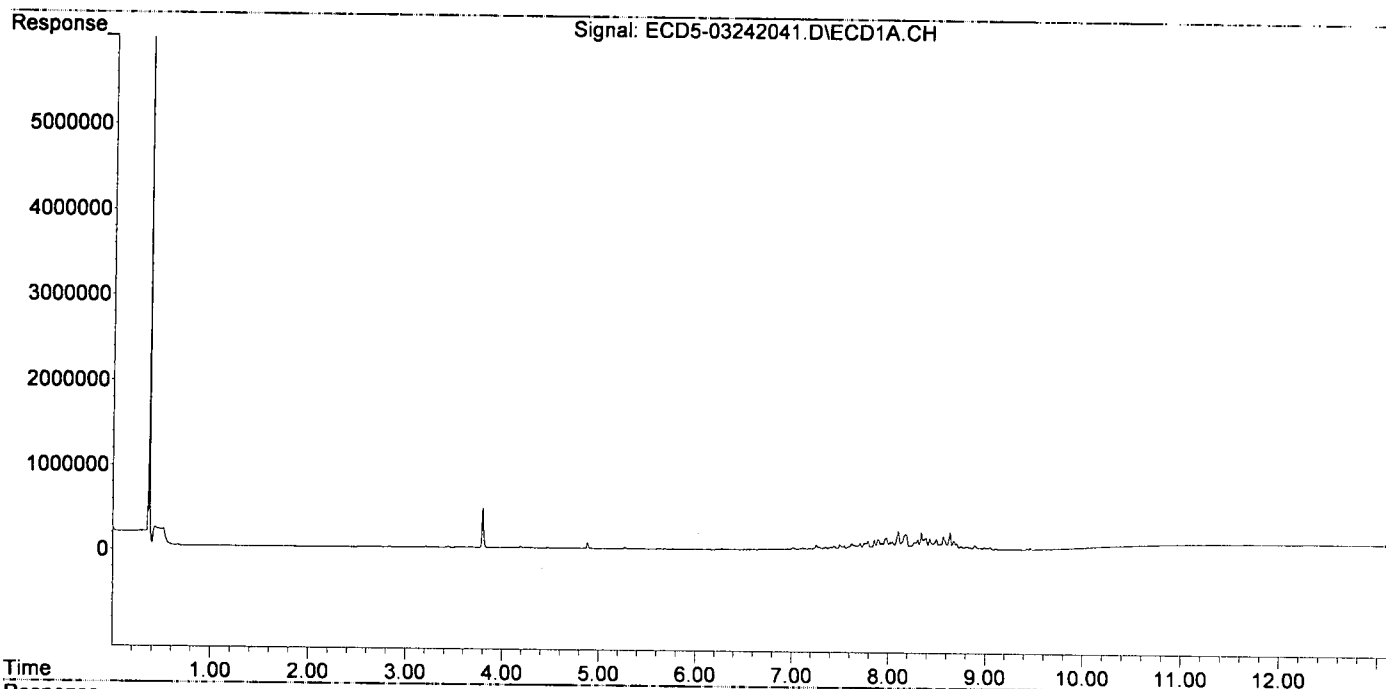
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|--------|--------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.992 | 0 | 13960 | N.D. | 0.049 # |
| 22) S DCBP (S) | 9.587 | 0.000 | 4773 | 0 | BelowCal | N.D. |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 6.277 | 0.000 | 10889 | 0 | 0.114 | N.D. # |
| 5) Heptachlor | 6.619 | 0.000 | 2171 | 0 | 0.010 | N.D. # |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 7) Aldrin | 6.865 | 7.577f | 5711 | 12688 | 0.026 | 0.039 # |
| 8) Heptachlo... | 7.352f | 7.984 | 34682 | 53421 | 0.169 | 0.179 |
| 9) trans-Chl... | 7.404 | 8.131 | 32599 | 46168 | 0.156 | 0.152 |
| 10) cis-Chlor... | 7.496f | 8.220f | 59017 | 59976 | 0.288 | 0.207 # |
| 11) Endosulfa... | 7.622 | 8.295 | 70509 | 78449 | 0.365 | 0.289 |
| 12) 4,4'-DDE | 7.544f | 8.360 | 50771 | 90258 | 0.258 | 0.315 |
| 13) Dieldrin | 7.789 | 8.507 | 106574 | 94396 | 0.502 | 0.317 # |
| 14) Endrin | 7.930f | 8.713 | 80860 | 156486 | 0.473 | 0.683 # |
| 15) 4,4'-DDD | 8.017 | 8.764 | 93295 | 110397 | 0.571 | 0.459 |
| 16) Endosulfa... | 8.101 | 8.851 | 220625 | 293570 | 1.317 | 1.224 |
| 17) 4,4'-DDT | 8.180 | 8.981 | 180770 | 118701 | 1.463 | 0.790 # |
| 18) Endrin Al... | 8.388 | 9.095 | 143421 | 253621 | 0.980 | 1.219 |
| 19) Endosulfa... | 8.705 | 9.295 | 78074 | 108142 | 0.475 | 0.475 |
| 20) Methoxychlor | 8.540 | 9.476 | 69723 | 273442 | 0.912 | 3.185 # |
| 21) Endrin Ke... | 8.890 | 9.718f | 53080 | 49559 | 0.278 | 0.199 # |
| 23) Hexachlor... | 3.211f | 0.000 | 8933 | 0 | 11064.661 | N.D. # |
| 24) Hexachlor... | 5.771 | 6.452 | 4978 | 10227 | BelowCal | BelowCal |
| 25) Oxychlorane | 7.254 | 7.903 | 54704 | 36477 | 0.067 | BelowCal # |
| 26) 2,4'-DDE | 7.352f | 8.131 | 34682 | 46168 | 0.074 | 0.041 # |
| 27) trans-Non... | 7.496 | 8.206 | 59017 | 62807 | 0.056 | BelowCal # |
| 28) 2,4'-DDD | 7.708 | 8.507 | 78466 | 94396 | 0.460 | 0.309 # |
| 29) 2,4'-DDT | 7.893 | 8.713 | 122492 | 156486 | 1.032 | 0.939 |
| 30) cis-Nonac... | 7.978 | 8.764 | 140301 | 110397 | 0.464 | 0.169 # |
| 31) Mirex | 8.636 | 9.718f | 207412 | 49559 | 1.183 | BelowCal # |
| 32) Chlordane... | 7.404 | 8.131 | 32599 | 46168 | 1.397 | 1.172 |
| 33) Chlordane... | 7.496 | 8.220 | 59017 | 59976 | 2.223 | 1.831 |
| 34) Chlordane... | 8.042f | 8.918 | 94526 | 456067 | 13.003 | 44.567 # |
| 35) Chlordane... | 3.671f | 0.000 | 5999 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.496 | 8.468 | 59017 | 156382 | 56.791 | 55.605 |
| 37) Toxaphene... | 7.789 | 8.816 | 106574 | 191843 | 54.414 | 53.675 |
| 38) Toxaphene... | 8.101 | 8.851 | 220625 | 293570 | 54.121 | 52.578 |
| 39) Toxaphene... | 8.341 | 8.918 | 205964 | 456067 | 52.433 | 51.515 |
| 40) Toxaphene... | 8.569 | 9.095 | 160219 | 253621 | 52.231 | 51.323 |
| 41) Toxaphene... | 8.636 | 9.476 | 207412 | 273442 | 51.779 | 50.595 |
| 42) Toxaphene... | 3.671f | 0.000 | 5999 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:13
 Operator : MJB
 Sample : 0C24036-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

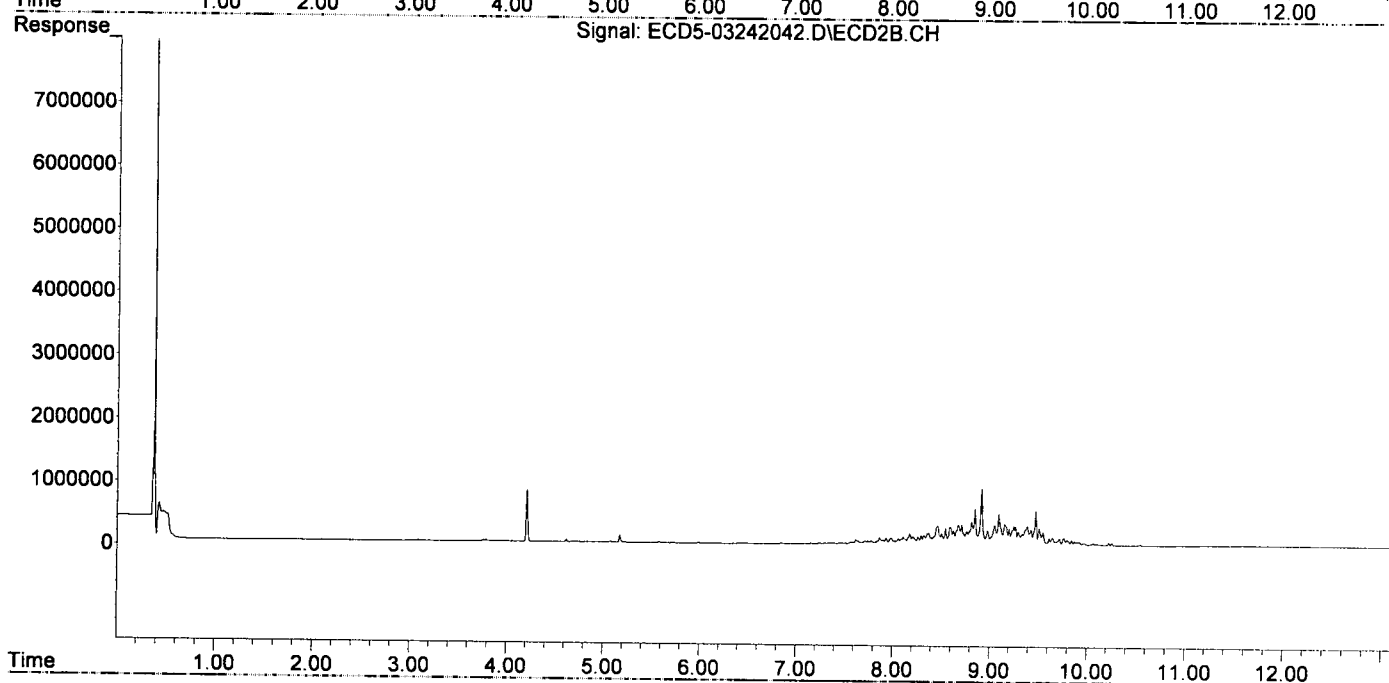
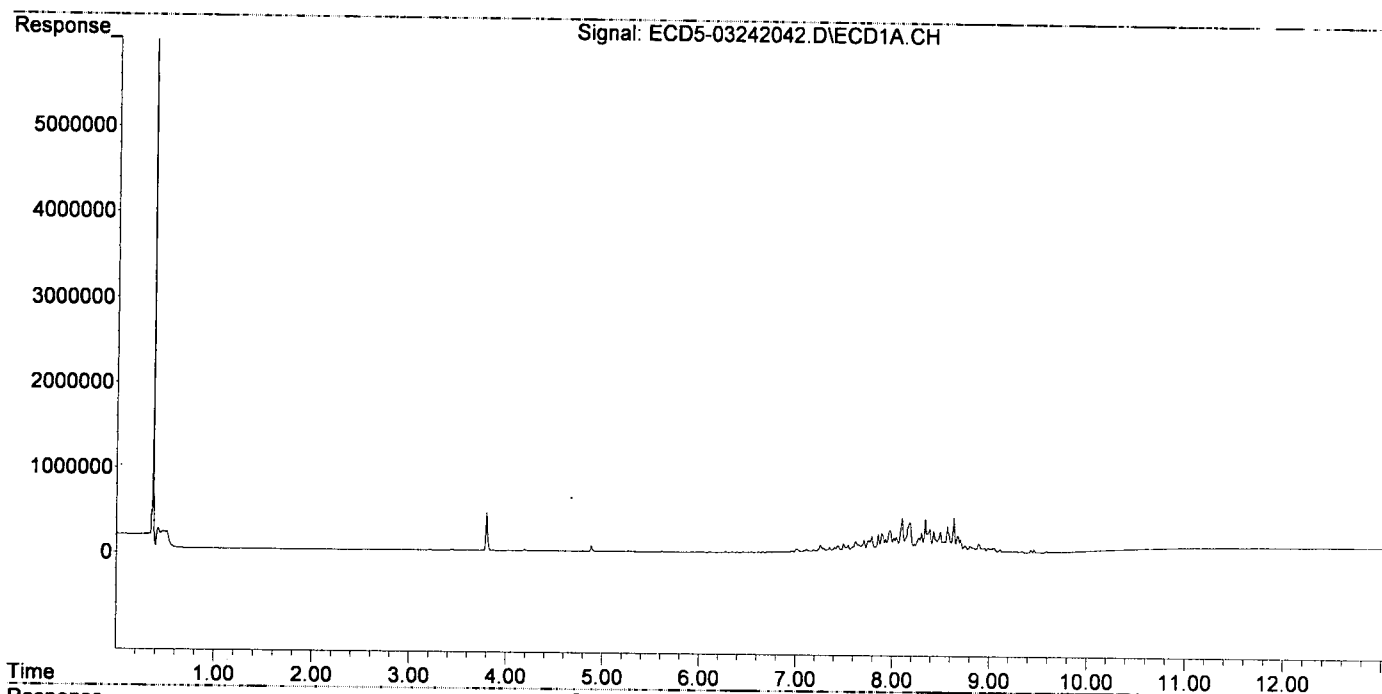
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|--------|--------|--------|--------|-----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.991 | 0 | 11772 | N.D. | 0.041 # |
| 22) S DCBP (S) | 9.588 | 10.549 | 19257 | 15520 | BelowCal | 0.091 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.925 | 0.000 | 3355 | 0 | 0.013 | N.D. # |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. | N.D. |
| 4) b-BHC | 6.276 | 0.000 | 11741 | 0 | 0.123 | N.D. # |
| 5) Heptachlor | 6.620 | 7.254f | 4972 | 7728 | 0.022 | 0.023 |
| 6) d-BHC | 6.459f | 7.254f | 3356 | 7728 | 0.017 | 0.024 # |
| 7) Aldrin | 6.863 | 7.567 | 12607 | 25451 | 0.057 | 0.078 # |
| 8) Heptachlo... | 7.351f | 7.983 | 64596 | 94789 | 0.315 | 0.318 |
| 9) trans-Chl... | 7.404 | 8.132 | 64961 | 77286 | 0.312 | 0.255 |
| 10) cis-Chlor... | 7.495f | 8.220f | 111060 | 106561 | 0.542 | 0.367 # |
| 11) Endosulfa... | 7.621 | 8.295 | 133943 | 139425 | 0.693 | 0.513 # |
| 12) 4,4'-DDE | 7.544f | 8.359 | 94182 | 163947 | 0.478 | 0.573 |
| 13) Dieldrin | 7.788 | 8.507 | 197990 | 168160 | 0.932 | 0.565 # |
| 14) Endrin | 7.929f | 8.713 | 161620 | 305949 | 0.946 | 1.336 # |
| 15) 4,4'-DDD | 8.016 | 8.764 | 178911 | 206437 | 1.095 | 0.858 |
| 16) Endosulfa... | 8.100 | 8.851 | 412345 | 562449 | 2.461 | 2.345 |
| 17) 4,4'-DDT | 8.182 | 8.979 | 354108 | 221053 | 2.875 | 1.423 # |
| 18) Endrin Al... | 8.387 | 9.095 | 284602 | 488364 | 1.944 | 2.348 |
| 19) Endosulfa... | 8.705 | 9.295 | 157876 | 206158 | 0.960 | 0.905 |
| 20) Methoxychlor | 8.538 | 9.475 | 136965 | 529637 | 1.957 | 6.203 # |
| 21) Endrin Ke... | 8.889 | 9.717f | 107831 | 99028 | 0.565 | 0.397 # |
| 23) Hexachlor... | 3.212f | 0.000 | 7800 | 0 | 11064.667 | N.D. # |
| 24) Hexachlor... | 0.000 | 6.472f | 0 | 8296 | N.D. | BelowCal |
| 25) Oxychlorane | 7.256 | 7.935 | 91887 | 86622 | 0.287 | 0.088 # |
| 26) 2,4'-DDE | 7.351f | 8.132 | 64596 | 77286 | 0.323 | 0.213 # |
| 27) trans-Non... | 7.495 | 8.205 | 111060 | 110359 | 0.333 | 0.166 # |
| 28) 2,4'-DDD | 7.707 | 8.507 | 149781 | 168160 | 1.133 | 0.768 # |
| 29) 2,4'-DDT | 7.892 | 8.713 | 233015 | 305949 | 2.143 | 2.010 |
| 30) cis-Nonac... | 7.976 | 8.764 | 266499 | 206437 | 1.089 | 0.503 # |
| 31) Mirex | 8.636 | 9.717f | 412942 | 99028 | 2.755 | 0.139 # |
| 32) Chlordane... | 7.404 | 8.132 | 64961 | 77286 | 2.783 | 1.961 # |
| 33) Chlordane... | 7.495 | 8.220 | 111060 | 106561 | 4.183 | 3.254 |
| 34) Chlordane... | 8.041f | 8.918 | 183267 | 879719 | 25.210 | 85.967 # |
| 35) Chlordane... | 3.673f | 0.000 | 5251 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.495 | 8.467 | 111060 | 287265 | 106.871 | 102.143 |
| 37) Toxaphene... | 7.788 | 8.815 | 197990 | 355195 | 103.489 | 99.379 |
| 38) Toxaphene... | 8.100 | 8.851 | 412345 | 562449 | 101.150 | 100.734 |
| 39) Toxaphene... | 8.341 | 8.918 | 391751 | 879719 | 99.730 | 103.025 |
| 40) Toxaphene... | 8.569 | 9.095 | 313162 | 488364 | 102.091 | 98.826 |
| 41) Toxaphene... | 8.636 | 9.475 | 412942 | 529637 | 103.089 | 97.999 |
| 42) Toxaphene... | 3.673f | 0.000 | 5251 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:31
 Operator : MJB
 Sample : 0C24036-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

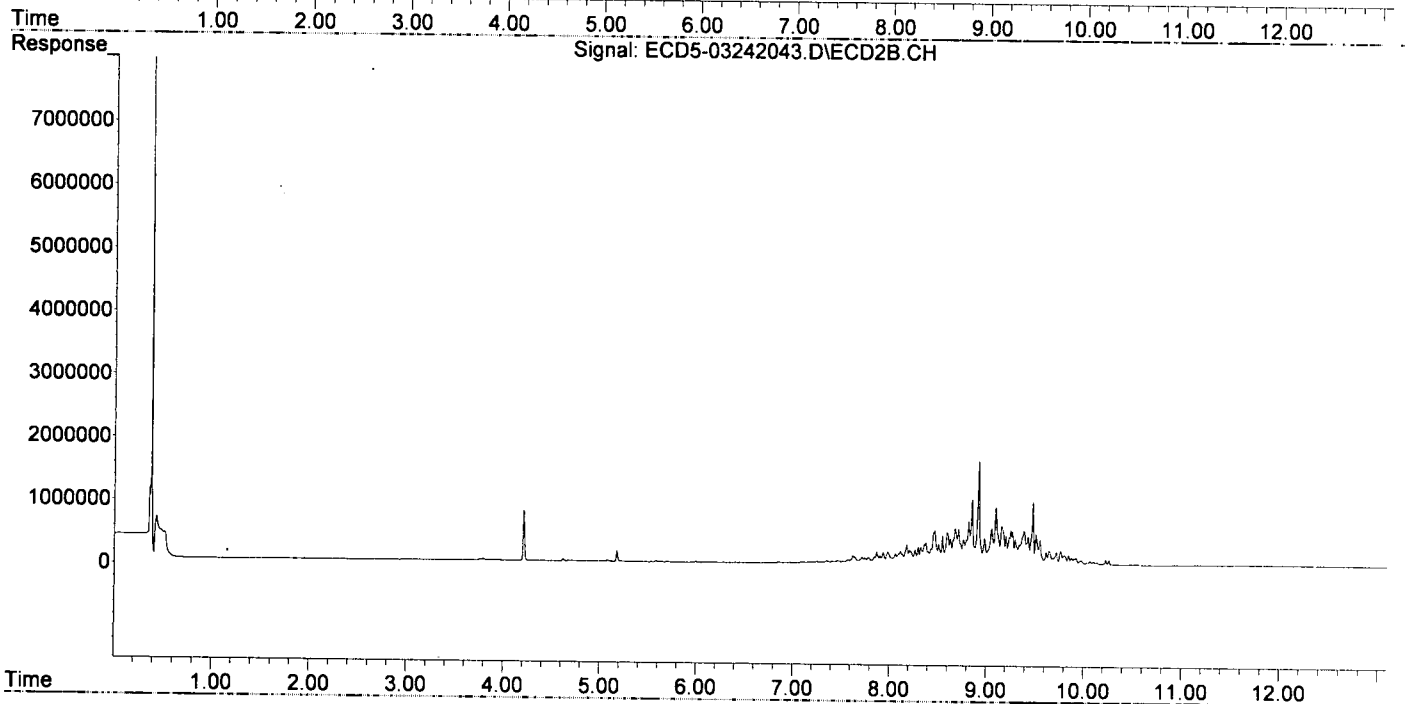
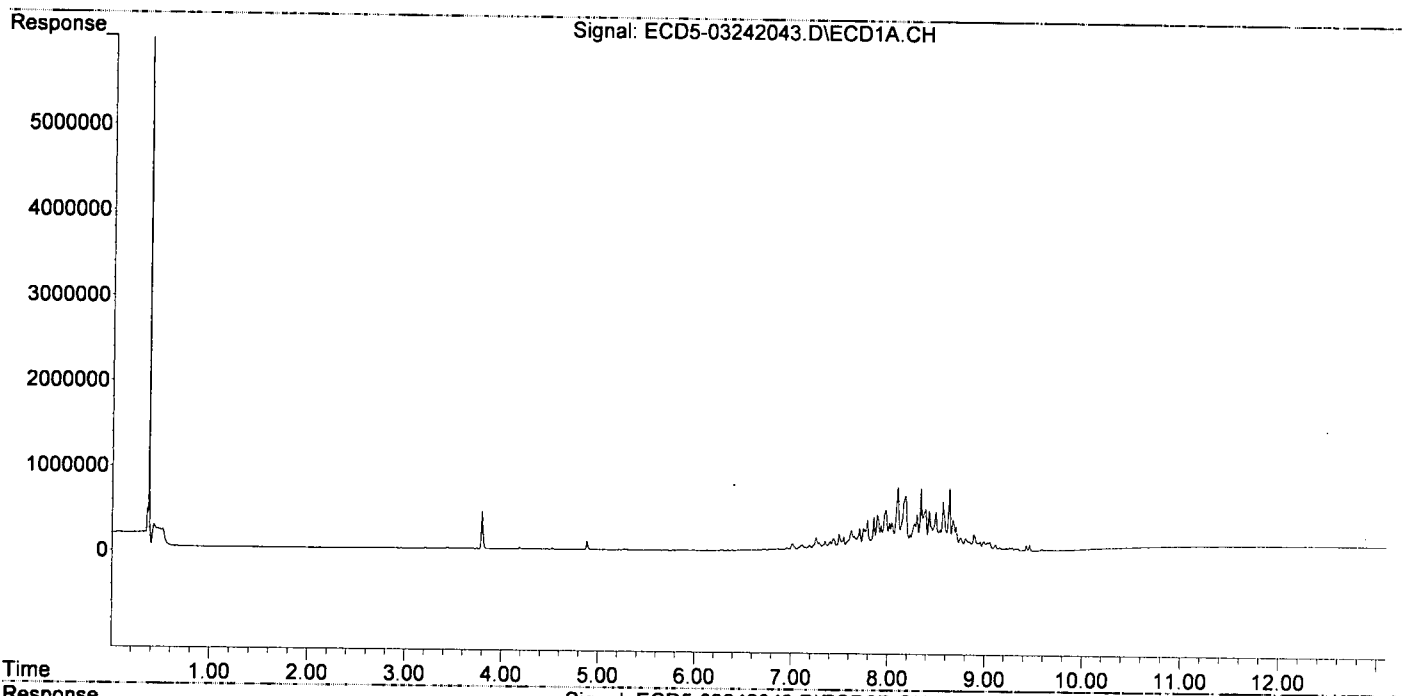
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|--------|--------|---------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.992 | 0 | 13119 | N.D. | 0.046 # |
| 22) S DCBP (S) | 9.587 | 10.549 | 20261 | 12827 | BelowCal | 0.076 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.926 | 0.000 | 3861 | 0 | 0.015 | N.D. # |
| 3) g-BHC | 6.228 | 6.903 | 2591 | 7376 | 0.011 | 0.021 # |
| 4) b-BHC | 6.277 | 6.962 | 11531 | 11300 | 0.121 | 0.075 # |
| 5) Heptachlor | 6.621 | 7.287 | 9538 | 19719 | 0.043 | 0.059 # |
| 6) d-BHC | 6.458f | 7.230 | 6448 | 18325 | 0.033 | 0.056 # |
| 7) Aldrin | 6.863 | 7.578f | 23914 | 56093 | 0.108 | 0.172 # |
| 8) Heptachlo... | 7.351f | 7.984 | 115102 | 185009 | 0.562 | 0.622 |
| 9) trans-Chl... | 7.403 | 8.131 | 113942 | 153337 | 0.547 | 0.506 |
| 10) cis-Chlor... | 7.495f | 8.219f | 198022 | 200782 | 0.967 | 0.692 # |
| 11) Endosulfa... | 7.622 | 8.295 | 241258 | 263382 | 1.248 | 0.969 |
| 12) 4,4'-DDE | 7.544f | 8.360 | 165579 | 311021 | 0.840 | 1.086 # |
| 13) Dieldrin | 7.788 | 8.506 | 356203 | 317193 | 1.677 | 1.066 # |
| 14) Endrin | 7.929f | 8.713 | 296754 | 558978 | 1.736 | 2.441 # |
| 15) 4,4'-DDD | 8.016 | 8.762 | 326657 | 392011 | 1.999 | 1.629 |
| 16) Endosulfa... | 8.100 | 8.850 | 754269 | 1026403 | 4.502 | 4.278 |
| 17) 4,4'-DDT | 8.180 | 8.980 | 650158 | 421124 | 5.272 | 2.652 # |
| 18) Endrin Al... | 8.387 | 9.095 | 500675 | 904494 | 3.421 | 4.348 # |
| 19) Endosulfa... | 8.704 | 9.295 | 288869 | 398486 | 1.757 | 1.750 |
| 20) Methoxychlor | 8.539 | 9.475 | 251333 | 998411 | 3.730 | 11.622 # |
| 21) Endrin Ke... | 8.889 | 9.717f | 196250 | 199602 | 1.028 | 0.801 |
| 23) Hexachlor... | 3.211f | 0.000 | 6592 | 0 | 11064.673 | N.D. # |
| 24) Hexachlor... | 0.000 | 6.472f | 0 | 6759 | N.D. | BelowCal |
| 25) Oxychlorthane | 7.256 | 7.935 | 156712 | 171809 | 0.672 | 0.439 # |
| 26) 2,4'-DDE | 7.351f | 8.131 | 115102 | 153337 | 0.743 | 0.633 |
| 27) trans-Non... | 7.495 | 8.204 | 198022 | 213141 | 0.797 | 0.545 # |
| 28) 2,4'-DDD | 7.707 | 8.506 | 263510 | 317193 | 2.207 | 1.693 |
| 29) 2,4'-DDT | 7.891 | 8.713 | 422003 | 558978 | 4.038 | 3.811 |
| 30) cis-Nonac... | 7.976 | 8.762 | 481423 | 392011 | 2.153 | 1.146 # |
| 31) Mirex | 8.636 | 9.717f | 741229 | 199602 | 5.266 | 0.735 # |
| 32) Chlordane... | 7.403 | 8.131 | 113942 | 153337 | 4.881 | 3.891 |
| 33) Chlordane... | 7.495 | 8.219 | 198022 | 200782 | 7.458 | 6.131 |
| 34) Chlordane... | 8.040f | 8.918 | 334296 | 1629969 | 45.985 | 159.282 # |
| 35) Chlordane... | 3.671f | 0.000 | 5163 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.495 | 8.467 | 198022 | 532496 | 190.554 | 189.340 |
| 37) Toxaphene... | 7.788 | 8.815 | 356203 | 676906 | 189.119 | 189.391 |
| 38) Toxaphene... | 8.100 | 8.850 | 754269 | 1026403 | 185.026 | 183.827 |
| 39) Toxaphene... | 8.341 | 8.918 | 729429 | 1629969 | 185.693 | 193.361 |
| 40) Toxaphene... | 8.569 | 9.095 | 576091 | 904494 | 187.806 | 183.034 |
| 41) Toxaphene... | 8.636 | 9.475 | 741229 | 998411 | 185.044 | 184.736 |
| 42) Toxaphene... | 3.671f | 0.000 | 5163 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:48
 Operator : MJB
 Sample : 0C24036-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

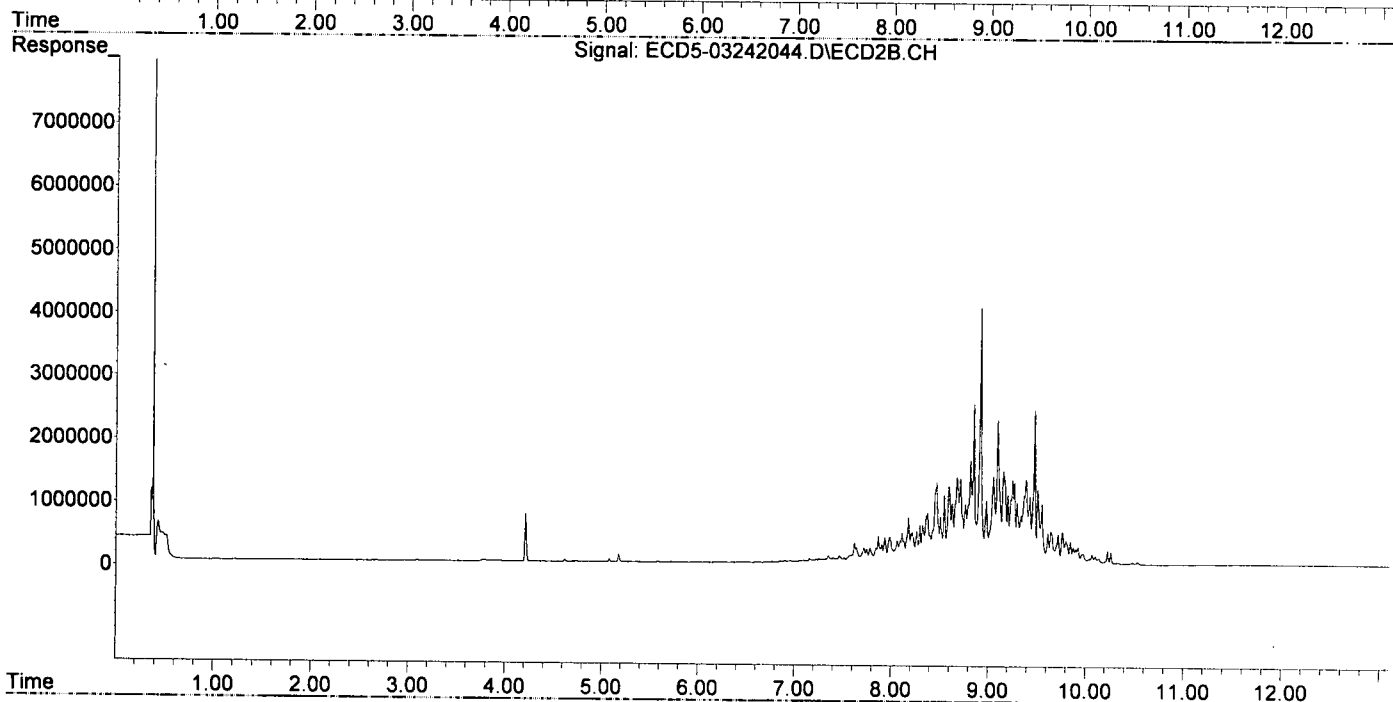
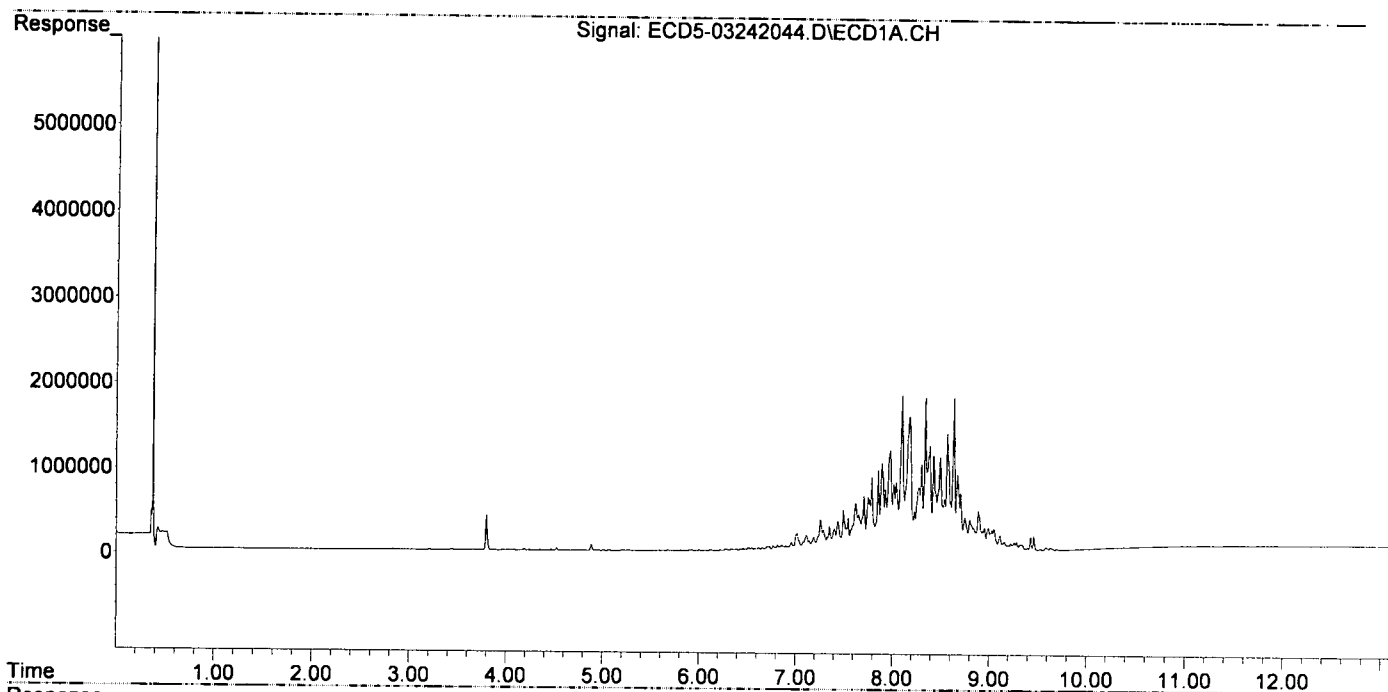
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|---------|---------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.992 | 0 | 9382 | N.D. | 0.033 # |
| 22) S DCBP (S) | 9.584 | 10.529f | 33820 | 44940 | 0.049 | 0.265 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.928 | 6.595 | 8676 | 11573 | 0.033 | 0.029 |
| 3) g-BHC | 6.227 | 6.902 | 7404 | 37539 | 0.032 | 0.106 # |
| 4) b-BHC | 6.280 | 6.961 | 18643 | 39706 | 0.195 | 0.265 # |
| 5) Heptachlor | 6.619 | 7.285 | 32708 | 63849 | 0.147 | 0.191 # |
| 6) d-BHC | 6.424 | 7.228 | 15027 | 60388 | 0.077 | 0.185 # |
| 7) Aldrin | 6.863 | 7.579f | 64104 | 132847 | 0.289 | 0.408 # |
| 8) Heptachlo... | 7.351f | 7.983 | 286610 | 423384 | 1.398 | 1.422 |
| 9) trans-Chl... | 7.401 | 8.111f | 262383 | 483290 | 1.259 | 1.595 # |
| 10) cis-Chlor... | 7.494f | 8.219f | 474801 | 499372 | 2.319 | 1.721 # |
| 11) Endosulfa... | 7.621 | 8.295 | 561950 | 612838 | 2.907 | 2.255 |
| 12) 4,4'-DDE | 7.543f | 8.359 | 385602 | 765896 | 1.956 | 2.675 # |
| 13) Dieldrin | 7.787 | 8.507 | 859180 | 743914 | 4.044 | 2.500 # |
| 14) Endrin | 7.928f | 8.712 | 722340 | 1349361 | 4.226 | 5.893 # |
| 15) 4,4'-DDD | 8.015 | 8.764 | 782724 | 942022 | 4.789 | 3.915 |
| 16) Endosulfa... | 8.099 | 8.872 | 1819799 | 677173 | 10.861 | 2.823 # |
| 17) 4,4'-DDT | 8.178 | 8.979 | 1562486 | 1000457 | 12.535 | 6.159 # |
| 18) Endrin Al... | 8.387 | 9.094 | 1207635 | 2276816 | 8.250 | 10.946 # |
| 19) Endosulfa... | 8.704 | 9.295 | 669548 | 970427 | 4.072 | 4.262 |
| 20) Methoxychlor | 8.538 | 9.475 | 606498 | 2424995 | 9.189 | 27.365 # |
| 21) Endrin Ke... | 8.889 | 9.717f | 458943 | 476452 | 2.403 | 1.911 |
| 23) Hexachlor... | 3.212f | 0.000 | 6245 | 0 | 11064.675 | N.D. # |
| 24) Hexachlor... | 5.810f | 6.450 | 4290 | 11394 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.256 | 7.934 | 368745 | 416745 | 1.928 | 1.447 |
| 26) 2,4'-DDE | 7.351f | 8.111 | 286610 | 483290 | 2.167 | 2.452 |
| 27) trans-Non... | 7.494 | 8.205 | 474801 | 482031 | 2.273 | 1.536 # |
| 28) 2,4'-DDD | 7.706 | 8.507 | 639511 | 743914 | 5.751 | 4.333 |
| 29) 2,4'-DDT | 7.892 | 8.712 | 1013964 | 1349361 | 9.923 | 9.350 |
| 30) cis-Nonac... | 7.976 | 8.764 | 1168739 | 942022 | 5.551 | 3.050 # |
| 31) Mirex | 8.635 | 9.717f | 1789727 | 476452 | 13.302 | 2.373 # |
| 32) Chlordane... | 7.437 | 8.111f | 344882 | 483290 | 14.775 | 12.265 |
| 33) Chlordane... | 7.494 | 8.219 | 474801 | 499372 | 17.882 | 15.249 |
| 34) Chlordane... | 8.040f | 8.917 | 800317 | 4046166 | 110.090 | 395.394 # |
| 35) Chlordane... | 3.675f | 0.000 | 4645 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.494 | 8.467 | 474801 | 1284194 | 456.894 | 456.621 |
| 37) Toxaphene... | 7.787 | 8.815 | 859180 | 1632080 | 467.512 | 456.638 |
| 38) Toxaphene... | 8.099 | 8.850 | 1819799 | 2521196 | 446.406 | 451.542 |
| 39) Toxaphene... | 8.340 | 8.917 | 1782592 | 4046166 | 453.801 | 477.036 |
| 40) Toxaphene... | 8.568 | 9.094 | 1366223 | 2276816 | 445.389 | 460.738 |
| 41) Toxaphene... | 8.635 | 9.475 | 1789727 | 2424995 | 446.795 | 448.696 |
| 42) Toxaphene... | 3.675f | 0.000 | 4645 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:05
 Operator : MJB
 Sample : 0C24036-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:03:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

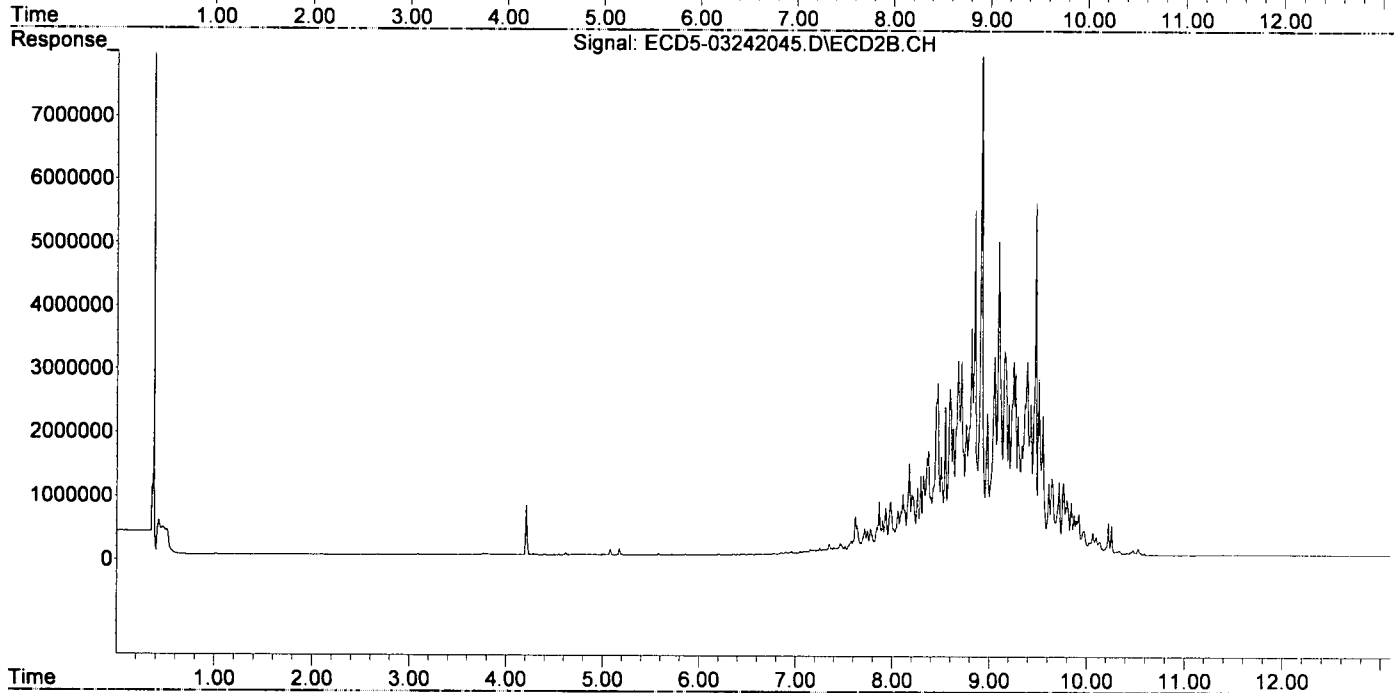
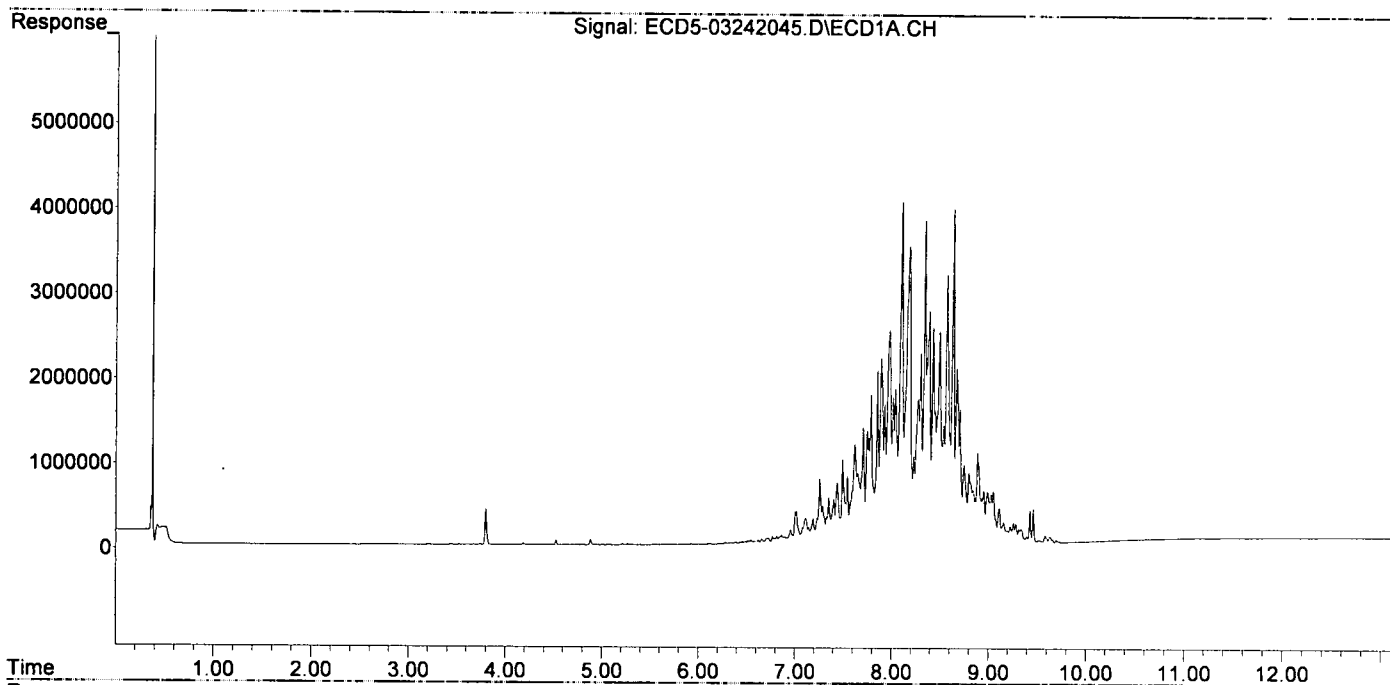
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|---------|---------|-----------|-----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 5.991 | 0 | 10997 | N.D. | 0.038 # |
| 22) S DCBP (S) | 9.584 | 10.529f | 84662 | 113998 | 0.392 | 0.671 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.927 | 6.593 | 11669 | 18033 | 0.044 | 0.045 |
| 3) g-BHC | 6.223 | 6.902 | 10574 | 47663 | 0.046 | 0.135 # |
| 4) b-BHC | 6.280 | 6.962 | 22168 | 64000 | 0.232 | 0.427 # |
| 5) Heptachlor | 6.622 | 7.287 | 46422 | 94365 | 0.208 | 0.282 # |
| 6) d-BHC | 6.458f | 7.229 | 32084 | 82037 | 0.164 | 0.251 # |
| 7) Aldrin | 6.862 | 7.579f | 108373 | 231965 | 0.488 | 0.712 # |
| 8) Heptachlo... | 7.350f | 7.983 | 544981 | 850170 | 2.659 | 2.856 |
| 9) trans-Chl... | 7.437 | 8.111f | 719542 | 962191 | 3.452 | 3.176 |
| 10) cis-Chlor... | 7.494f | 8.219f | 980575 | 930410 | 4.788 | 3.206 # |
| 11) Endosulfa... | 7.621 | 8.294 | 1164849 | 1247476 | 6.025 | 4.591 |
| 12) 4,4'-DDE | 7.543f | 8.359 | 789691 | 1535615 | 4.006 | 5.363 # |
| 13) Dieldrin | 7.787 | 8.506 | 1744371 | 1548353 | 8.210 | 5.204 # |
| 14) Endrin | 7.927f | 8.712 | 1625428 | 3056033 | 9.509 | 13.346 # |
| 15) 4,4'-DDD | 8.015 | 8.763 | 1711649 | 2074394 | 10.473 | 8.621 |
| 16) Endosulfa... | 8.100 | 8.850 | 4006607 | 5442521 | 23.913 | 22.687 |
| 17) 4,4'-DDT | 8.179 | 8.980 | 3482781 | 2240369 | 27.267 | 13.427 # |
| 18) Endrin Al... | 8.386 | 9.094 | 2691844 | 4954854 | 18.390 | 23.821 # |
| 19) Endosulfa... | 8.704 | 9.294 | 1569623 | 2190839 | 9.546 | 9.622 |
| 20) Methoxychlor | 8.538 | 9.475 | 1381020 | 5554464 | 20.866 | 58.732 # |
| 21) Endrin Ke... | 8.888 | 9.716f | 1048461 | 1147861 | 5.490 | 4.604 |
| 23) Hexachlor... | 3.211f | 0.000 | 6495 | 0 | 11064.674 | N.D. # |
| 24) Hexachlor... | 5.809f | 6.451 | 5093 | 13743 | BelowCal | BelowCal |
| 25) Oxylchlorane | 7.256 | 7.934 | 761268 | 749374 | 4.255 | 2.813 # |
| 26) 2,4'-DDE | 7.350f | 8.111 | 544981 | 962191 | 4.311 | 5.081 |
| 27) trans-Non... | 7.494 | 8.204 | 980575 | 969245 | 4.968 | 3.325 # |
| 28) 2,4'-DDD | 7.706 | 8.506 | 1361069 | 1548353 | 12.535 | 9.276 # |
| 29) 2,4'-DDT | 7.891 | 8.712 | 2146628 | 3056033 | 20.991 | 20.897 |
| 30) cis-Nonac... | 7.976 | 8.763 | 2501732 | 2074394 | 12.126 | 6.945 # |
| 31) Mirex | 8.634 | 9.716f | 3945722 | 1147861 | 29.897 | 6.329 # |
| 32) Chlordane... | 7.437 | 8.111 | 719542 | 962191 | 30.826 | 24.419 |
| 33) Chlordane... | 7.494 | 8.219 | 980575 | 930410 | 36.930 | 28.411 |
| 34) Chlordane... | 8.039f | 8.918 | 1808825 | 8989591 | 248.818 | 878.470 # |
| 35) Chlordane... | 3.672f | 0.000 | 5179 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.494 | 8.467 | 980575 | 2709679 | 943.595 | 963.480 |
| 37) Toxaphene... | 7.787 | 8.815 | 1744371 | 3583528 | 982.912 | 1002.630 |
| 38) Toxaphene... | 8.100 | 8.850 | 4006607 | 5442521 | 982.842 | 974.747 |
| 39) Toxaphene... | 8.339 | 8.918 | 3786246 | 8989591 | 963.879 | 1026.880 |
| 40) Toxaphene... | 8.568 | 9.094 | 3148951 | 4954854 | 1026.558 | 1002.667 |
| 41) Toxaphene... | 8.634 | 9.475 | 3945722 | 5554464 | 985.027 | 1027.740 |
| 42) Toxaphene... | 3.672f | 0.000 | 5179 | 0 | NoCal | N.D. |

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
 Data File : ECD5-03242046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:22
 Operator : MJB
 Sample : 0C24036-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 13:04:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:47:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

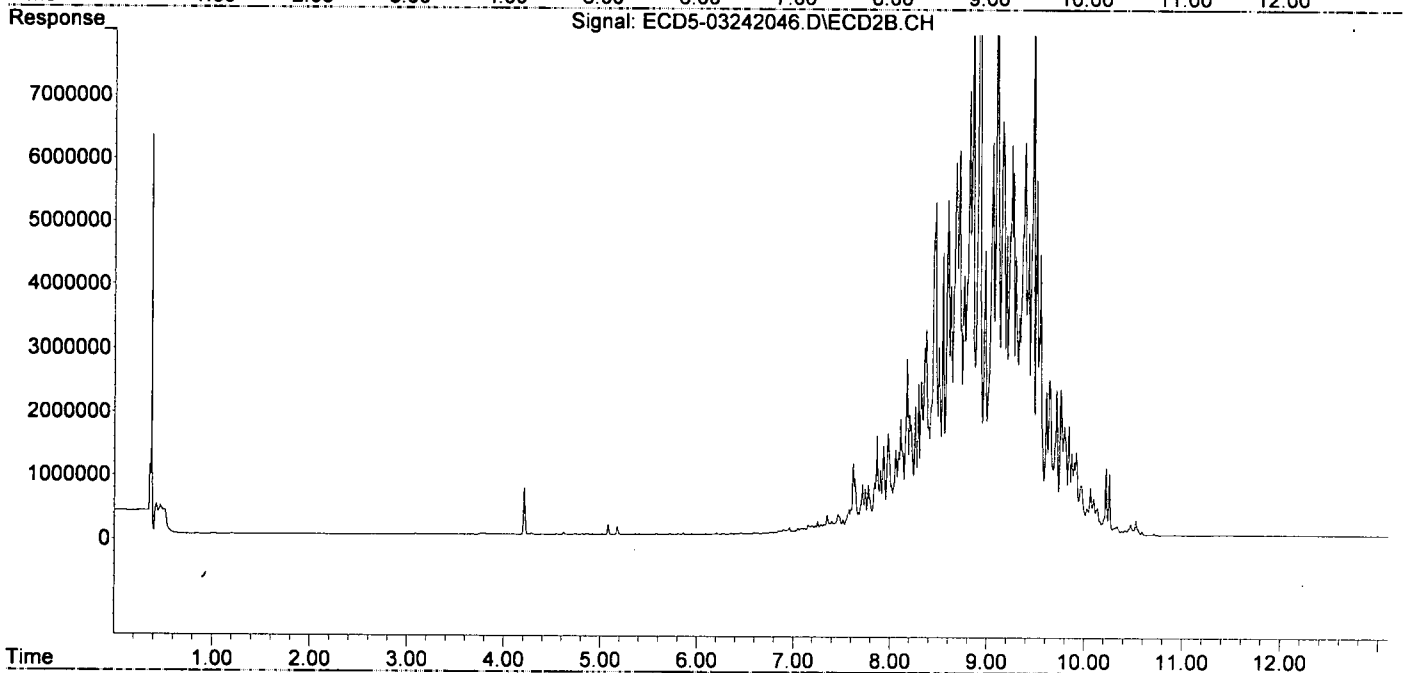
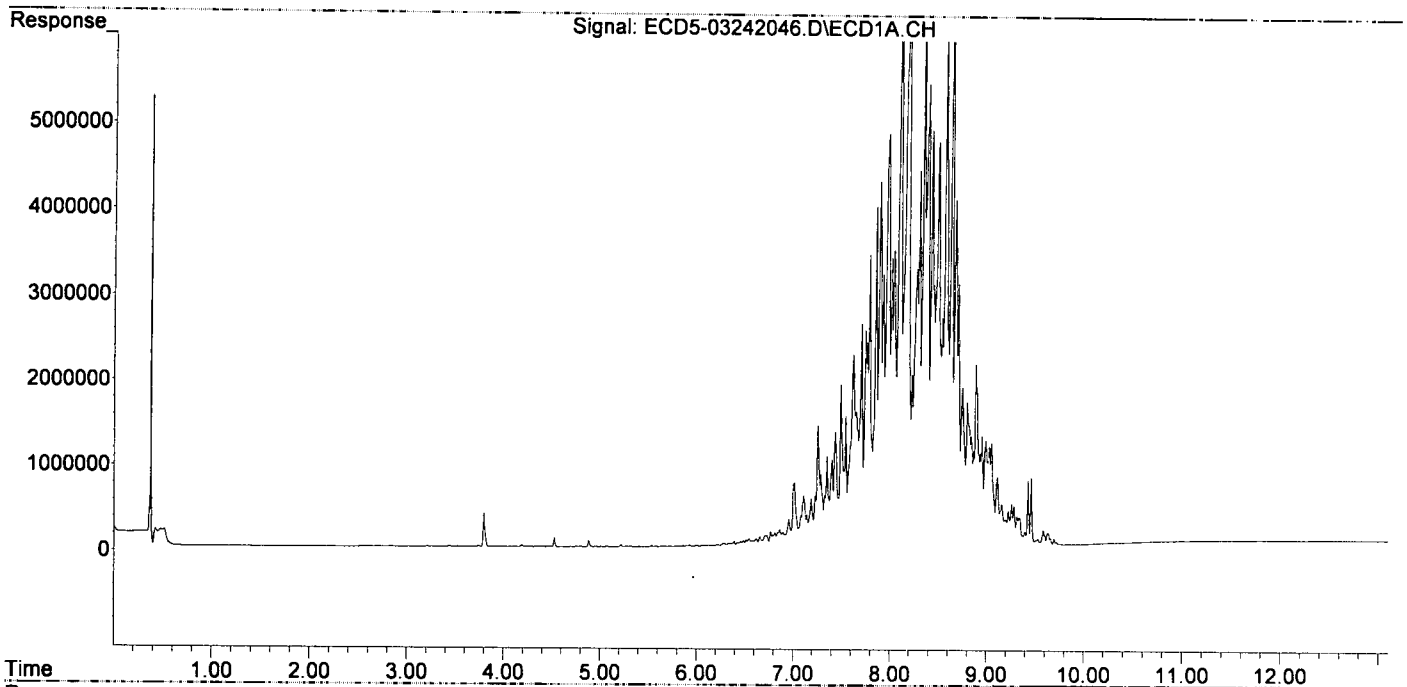
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|--------|---------|---------|----------|-----------|------------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.402 | 5.990 | 4139 | 11232 | 0.021 | 0.039 # |
| 22) S DCBP (S) | 9.584 | 10.529f | 176039 | 231599 | 1.007 | 1.364 # |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.927 | 6.593 | 21218 | 32288 | 0.081 | 0.080 |
| 3) g-BHC | 6.222 | 6.903 | 21859 | 80974 | 0.096 | 0.229 # |
| 4) b-BHC | 6.283 | 6.962 | 38957 | 108819 | 0.407 | 0.725 # |
| 5) Heptachlor | 6.622 | 7.287 | 84300 | 160028 | 0.378 | 0.477 # |
| 6) d-BHC | 6.423 | 7.229 | 43925 | 136785 | 0.225 | 0.419 # |
| 7) Aldrin | 6.862 | 7.578f | 198486 | 404479 | 0.894 | 1.241 # |
| 8) Heptachlo... | 7.350f | 7.983 | 1043975 | 1592051 | 5.094 | 5.349 |
| 9) trans-Chl... | 7.436 | 8.111f | 1330139 | 1822950 | 6.381 | 6.017 |
| 10) cis-Chlor... | 7.493f | 8.262f | 1881314 | 2020786 | 9.187 | 6.964 |
| 11) Endosulfa... | 7.621 | 8.294 | 2241742 | 2382249 | 11.595 | 8.767 |
| 12) 4,4'-DDE | 7.543f | 8.358 | 1507159 | 2938270 | 7.646 | 10.261 # |
| 13) Dieldrin | 7.787 | 8.506 | 3407462 | 2944242 | 16.038 | 9.896 # |
| 14) Endrin | 7.927f | 8.712 | 3168017 | 6054059 | 18.534 | 26.439 # |
| 15) 4,4'-DDD | 8.015 | 8.764 | 3367178 | 4077595 | 20.603 | 16.947 |
| 16) Endosulfa... | 8.099 | 8.850 | 7722060 | 11042450 | 46.089 | 46.029 |
| 17) 4,4'-DDT | 8.180 | 8.980 | 6656550 | 4465929 | 50.193 | 25.760 # |
| 18) Endrin Al... | 8.386 | 9.094 | 5336726 | 10220382 | 36.460 | 49.136 # |
| 19) Endosulfa... | 8.704 | 9.294 | 3061960 | 4382062 | 18.621 | 19.245 |
| 20) Methoxychlor | 8.538 | 9.475 | 2662629 | 11188892 | 39.556 | 107.579 # |
| 21) Endrin Ke... | 8.888 | 9.716f | 2090435 | 2279453 | 10.946 | 9.143 |
| 23) Hexachlor... | 3.212f | 0.000 | 5930 | 0 | 11064.677 | N.D. # |
| 24) Hexachlor... | 5.777 | 6.450 | 4503 | 19873 | BelowCal | BelowCal |
| 25) Oxychlorthane | 7.255 | 7.934 | 1403045 | 1403992 | 8.057 | 5.490 # |
| 26) 2,4'-DDE | 7.350f | 8.111 | 1043975 | 1822950 | 8.442 | 9.769 |
| 27) trans-Non... | 7.493 | 8.204 | 1881314 | 1887538 | 9.763 | 6.679 # |
| 28) 2,4'-DDD | 7.706 | 8.506 | 2600542 | 2944242 | 24.135 | 17.752 # |
| 29) 2,4'-DDT | 7.891 | 8.712 | 4223723 | 6054059 | 40.671 | 39.998 |
| 30) cis-Nonac... | 7.976 | 8.764 | 4822510 | 4077595 | 23.524 | 13.760 # |
| 31) Mirex | 8.634 | 9.716f | 7995315 | 2279453 | 61.331 | 12.946 # |
| 32) Chlordane... | 7.436 | 8.111 | 1330139 | 1822950 | 56.984 | 46.263 |
| 33) Chlordane... | 7.493 | 8.218f | 1881314 | 1737384 | 70.853 | 53.052 # |
| 34) Chlordane... | 8.039f | 8.917 | 3458254 | 18548434 | 475.711 | 1812.567 # |
| 35) Chlordane... | 3.673f | 0.000 | 5120 | 0 | NoCal | N.D. |
| 36) Toxaphene... | 7.493 | 8.467 | 1881314 | 5232351 | 1810.364 | 1860.466 |
| 37) Toxaphene... | 7.787 | 8.815 | 3407462 | 6997810 | 2064.248 | 1957.908 |
| 38) Toxaphene... | 8.099 | 8.850 | 7722060 | 11042450 | 1894.263 | 1977.685 |
| 39) Toxaphene... | 8.339 | 8.917 | 7409380 | 18548434 | 1886.235 | 1996.985 |
| 40) Toxaphene... | 8.568 | 9.094 | 6159134 | 10220382 | 2007.879 | 2068.202 |
| 41) Toxaphene... | 8.634 | 9.475 | 7995315 | 11188892 | 1995.986 | 2070.277 |
| 42) Toxaphene... | 3.673f | 0.000 | 5120 | 0 | NoCal | N.D. |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:04:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Sequence Name: C:\msdchem\1\sequence\0C24036.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\1\DATA\2020-03\0C24036\

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 | ECD5-03242001 |
| Method | ECD5_AQUPEST_160111 |
| 2) Sample | 1 Hexane |
| Datafile | ECD5-03242002 |
| Method | ECD5_AQUPEST_160111 |
| 3) Sample | 2 0C24036-BKD1 - Maintenance performed |
| Datafile | ECD5-03242003 |
| Method | ECD5_AQUPEST_160111 |
| 4) Sample | 1 Hexane |
| Datafile | ECD5-03242004 |
| Method | ECD5_AQUPEST_160111 |
| 5) Sample | 2 0C24036-BKD2 |
| Datafile | ECD5-03242005 |
| Method | ECD5_AQUPEST_160111 |
| 6) Sample | 3 0C24036-ICB1 |
| Datafile | ECD5-03242006 |
| Method | ECD5_AQUPEST_160111 |
| 7) Sample | 4 0C24036-CAL1 |
| Datafile | ECD5-03242007 |
| Method | ECD5_AQUPEST_160111 |
| 8) Sample | 5 0C24036-CAL2 |
| Datafile | ECD5-03242008 |
| Method | ECD5_AQUPEST_160111 |
| 9) Sample | 6 0C24036-CAL3 |
| Datafile | ECD5-03242009 |
| Method | ECD5_AQUPEST_160111 |
| 10) Sample | 7 0C24036-CAL4 |
| Datafile | ECD5-03242010 |
| Method | ECD5_AQUPEST_160111 |
| 11) Sample | 8 0C24036-CAL5 |
| Datafile | ECD5-03242011 |
| Method | ECD5_AQUPEST_160111 |
| 12) Sample | 9 0C24036-CAL6 |
| Datafile | ECD5-03242012 |
| Method | ECD5_AQUPEST_160111 |
| 13) Sample | 10 0C24036-CAL7 |
| Datafile | ECD5-03242013 |
| Method | ECD5_AQUPEST_160111 |
| 14) Sample | 11 0C24036-CAL8 |
| Datafile | ECD5-03242014 |
| Method | ECD5_AQUPEST_160111 |
| 15) Sample | 12 0C24036-CAL9 |
| Datafile | ECD5-03242015 |
| Method | ECD5_AQUPEST_160111 |
| 16) Sample | 1 0C24036-IBL1 |
| Datafile | ECD5-03242016 |
| Method | ECD5_AQUPEST_160111 |
| 17) Sample | 13 0C24036-ICV1 |
| Datafile | ECD5-03242017 |
| Method | ECD5_AQUPEST_160111 |
| 18) Sample | 14 0C24036-CALA |
| Datafile | ECD5-03242018 |
| Method | ECD5_AQUPEST_160111 |
| 19) Sample | 15 0C24036-CALB |
| Datafile | ECD5-03242019 |
| Method | ECD5_AQUPEST_160111 |
| 20) Sample | 16 0C24036-CALC → Run did not complete, point. |

MJB
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| | | | |
|-----|----------|----|---------------------|
| | Datafile | | ECD5-03242020 |
| | Method | | ECD5_AQUPEST_160111 |
| 21) | Sample | 1 | Hexane |
| | Datafile | | ECD5-03242021 |
| | Method | | ECD5_AQUPEST_160111 |
| 22) | Sample | 16 | 0C24036-CALC |
| | Datafile | | ECD5-03242022 |
| | Method | | ECD5_AQUPEST_160111 |
| 23) | Sample | 17 | 0C24036-CALD |
| | Datafile | | ECD5-03242023 |
| | Method | | ECD5_AQUPEST_160111 |
| 24) | Sample | 18 | 0C24036-CALE |
| | Datafile | | ECD5-03242024 |
| | Method | | ECD5_AQUPEST_160111 |
| 25) | Sample | 19 | 0C24036-CALF |
| | Datafile | | ECD5-03242025 |
| | Method | | ECD5_AQUPEST_160111 |
| 26) | Sample | 20 | 0C24036-CALG |
| | Datafile | | ECD5-03242026 |
| | Method | | ECD5_AQUPEST_160111 |
| 27) | Sample | 21 | 0C24036-CALH |
| | Datafile | | ECD5-03242027 |
| | Method | | ECD5_AQUPEST_160111 |
| 28) | Sample | 22 | 0C24036-CALI |
| | Datafile | | ECD5-03242028 |
| | Method | | ECD5_AQUPEST_160111 |
| 29) | Sample | 1 | 0C24036-IBL2 |
| | Datafile | | ECD5-03242029 |
| | Method | | ECD5_AQUPEST_160111 |
| 30) | Sample | 23 | 0C24036-ICV2 |
| | Datafile | | ECD5-03242030 |
| | Method | | ECD5_AQUPEST_160111 |
| 31) | Sample | 24 | 0C24036-CALJ |
| | Datafile | | ECD5-03242031 |
| | Method | | ECD5_AQUPEST_160111 |
| 32) | Sample | 25 | 0C24036-CALK |
| | Datafile | | ECD5-03242032 |
| | Method | | ECD5_AQUPEST_160111 |
| 33) | Sample | 26 | 0C24036-CALL |
| | Datafile | | ECD5-03242033 |
| | Method | | ECD5_AQUPEST_160111 |
| 34) | Sample | 27 | 0C24036-CALM |
| | Datafile | | ECD5-03242034 |
| | Method | | ECD5_AQUPEST_160111 |
| 35) | Sample | 28 | 0C24036-CALN |
| | Datafile | | ECD5-03242035 |
| | Method | | ECD5_AQUPEST_160111 |
| 36) | Sample | 29 | 0C24036-CALO |
| | Datafile | | ECD5-03242036 |
| | Method | | ECD5_AQUPEST_160111 |
| 37) | Sample | 30 | 0C24036-CALP |
| | Datafile | | ECD5-03242037 |
| | Method | | ECD5_AQUPEST_160111 |
| 38) | Sample | 1 | 0C24036-IBL3 |
| | Datafile | | ECD5-03242038 |
| | Method | | ECD5_AQUPEST_160111 |
| 39) | Sample | 31 | 0C24036-ICV3 |
| | Datafile | | ECD5-03242039 |
| | Method | | ECD5_AQUPEST_160111 |
| 40) | Sample | 32 | 0C24036-CALQ |
| | Datafile | | ECD5-03242040 |
| | Method | | ECD5_AQUPEST_160111 |
| 41) | Sample | 33 | 0C24036-CALR |
| | Datafile | | ECD5-03242041 |
| | Method | | ECD5_AQUPEST_160111 |
| 42) | Sample | 34 | 0C24036-CALS |
| | Datafile | | ECD5-03242042 |
| | Method | | ECD5_AQUPEST_160111 |
| 43) | Sample | 35 | 0C24036-CALT |
| | Datafile | | ECD5-03242043 |
| | Method | | ECD5_AQUPEST_160111 |

| Line | Type | Vial | DataFile | Method | Sample Name |
|------|----------|------|---------------------|--------|-------------|
| 44) | Sample | 36 | 0C24036-CALU | | |
| | Datafile | | ECD5-03242044 | | |
| | Method | | ECD5_AQUPEST_160111 | | |
| 45) | Sample | 37 | 0C24036-CALV | | |
| | Datafile | | ECD5-03242045 | | |
| | Method | | ECD5_AQUPEST_160111 | | |
| 46) | Sample | 38 | 0C24036-CALW | | |
| | Datafile | | ECD5-03242046 | | |
| | Method | | ECD5_AQUPEST_160111 | | |
| 47) | Sample | 1 | 0C24036-IBL4 | | |
| | Datafile | | ECD5-03242047 | | |
| | Method | | ECD5_AQUPEST_160111 | | |
| 48) | Sample | 39 | 0C24036-ICV4 | | |
| | Datafile | | ECD5-03242048 | | |
| | Method | | ECD5_AQUPEST_160111 | | |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:15
 Operator : MJB
 Sample : 0C24036-CAL1
 Misc : A20C398, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:33:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|--------|--------|-------|-------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.392 | 5.987 | 110536 | 164456 | 0.514 | 0.478 |
| 22) S DCBP (S) | 9.590 | 10.554 | 98116 | 90290 | 0.373 | 0.466 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.931 | 6.595 | 137171 | 190412 | 0.480 | 0.456 |
| 3) g-BHC | 6.214 | 6.914 | 120065 | 177278 | 0.476 | 0.434 |
| 4) b-BHC | 6.291 | 6.978 | 56206 | 85651 | 0.333 | 0.336 |
| 5) Heptachlor | 6.624 | 7.289 | 125615 | 176454 | 0.539 | 0.474 |
| 6) d-BHC | 6.442 | 7.234 | 93927 | 154610 | 0.374 | 0.353 |
| 7) Aldrin | 6.865 | 7.555 | 116958 | 161744 | 0.487 | 0.426 |
| 8) Heptachlo... | 7.327 | 7.994 | 116602 | 157622 | 0.518 | 0.457 |
| 9) trans-Chl... | 7.422 | 8.134 | 117895 | 159223 | 0.518 | 0.450 |
| 10) cis-Chlor... | 7.519 | 8.242 | 120376 | 155733 | 0.545 | 0.467 |
| 11) Endosulfa... | 7.618 | 8.292 | 109155 | 139375 | 0.530 | 0.449 |
| 12) 4,4'-DDE | 7.581 | 8.348 | 104194 | 137534 | 0.462 | 0.445 |
| 13) Dieldrin | 7.789 | 8.493 | 115621 | 146999 | 0.502 | 0.424 |
| 14) Endrin | 7.954 | 8.721 | 94731 | 117807 | 0.572 | 0.507 |
| 15) 4,4'-DDD | 8.003 | 8.765 | 89339 | 121353 | 0.479 | 0.458 |
| 16) Endosulfa... | 8.112 | 8.868 | 94859 | 127427 | 0.534 | 0.338 |
| 17) 4,4'-DDT | 8.199 | 8.990 | 64160 | 75283 | 0.449 | 0.497 |
| 18) Endrin Al... | 8.402 | 9.105 | 134379 | 174071 | 0.446 | 0.411 |
| 19) Endosulfa... | 8.704 | 9.296 | 96545 | 122422 | 0.199 | 0.178 |
| 20) Methoxychlor | 8.534 | 9.470 | 42088 | 48420 | 0.423 | 0.492 |
| 21) Endrin Ke... | 8.898 | 9.696 | 113093 | 132508 | 0.349 | 0.339 |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. | d |

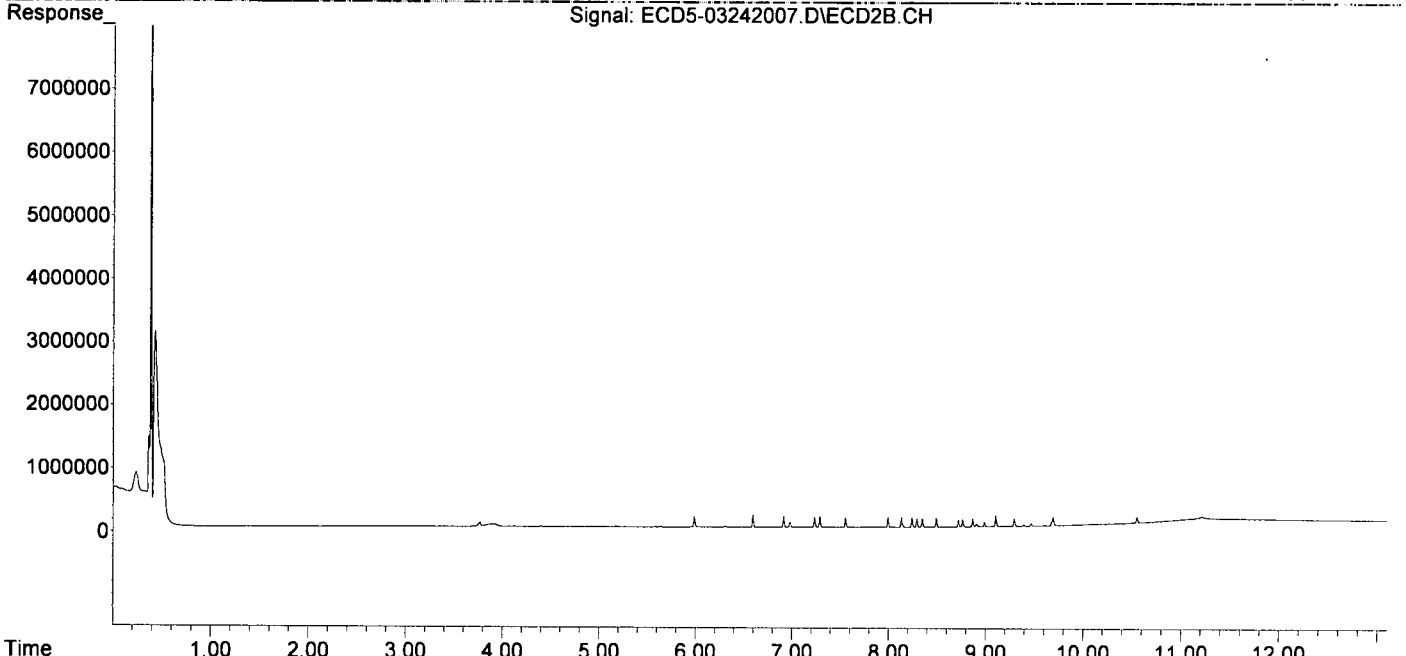
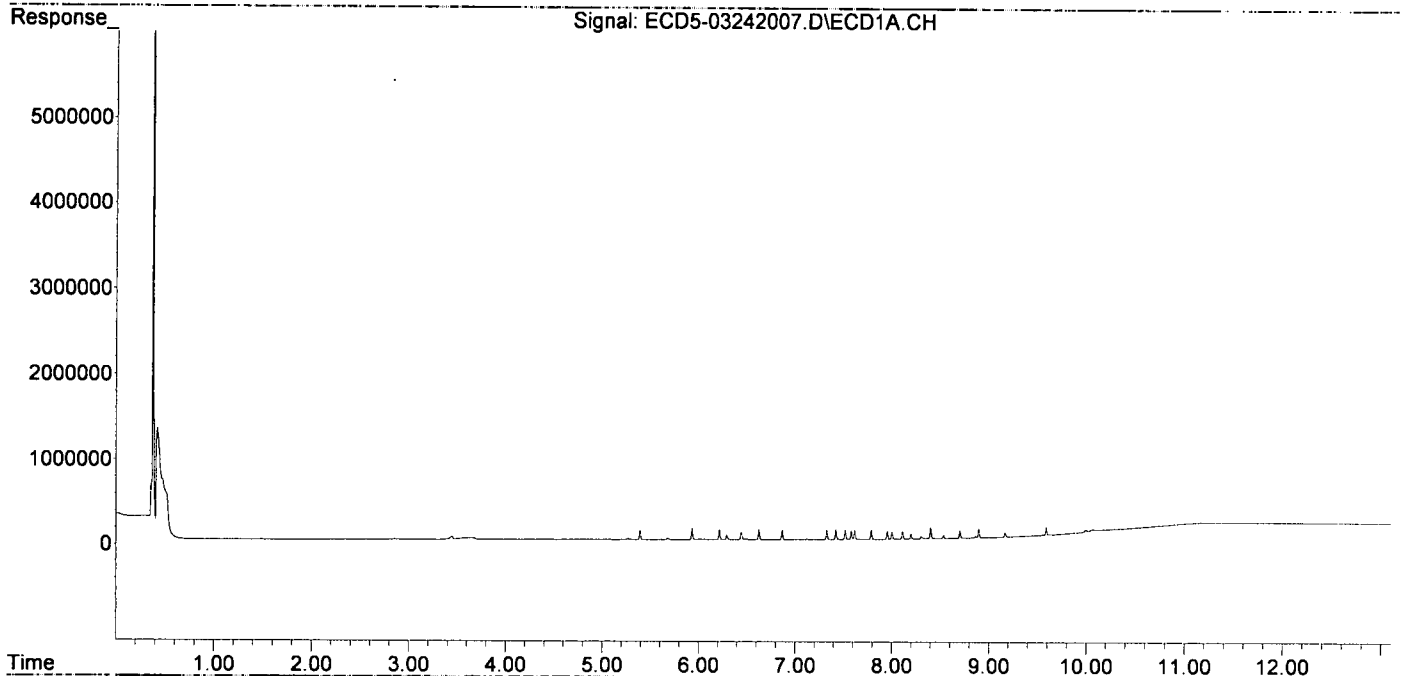
Not used
in cal.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:33:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:33
 Operator : MJB
 Sample : 0C24036-CAL2
 Misc : A20C178, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:33:53 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

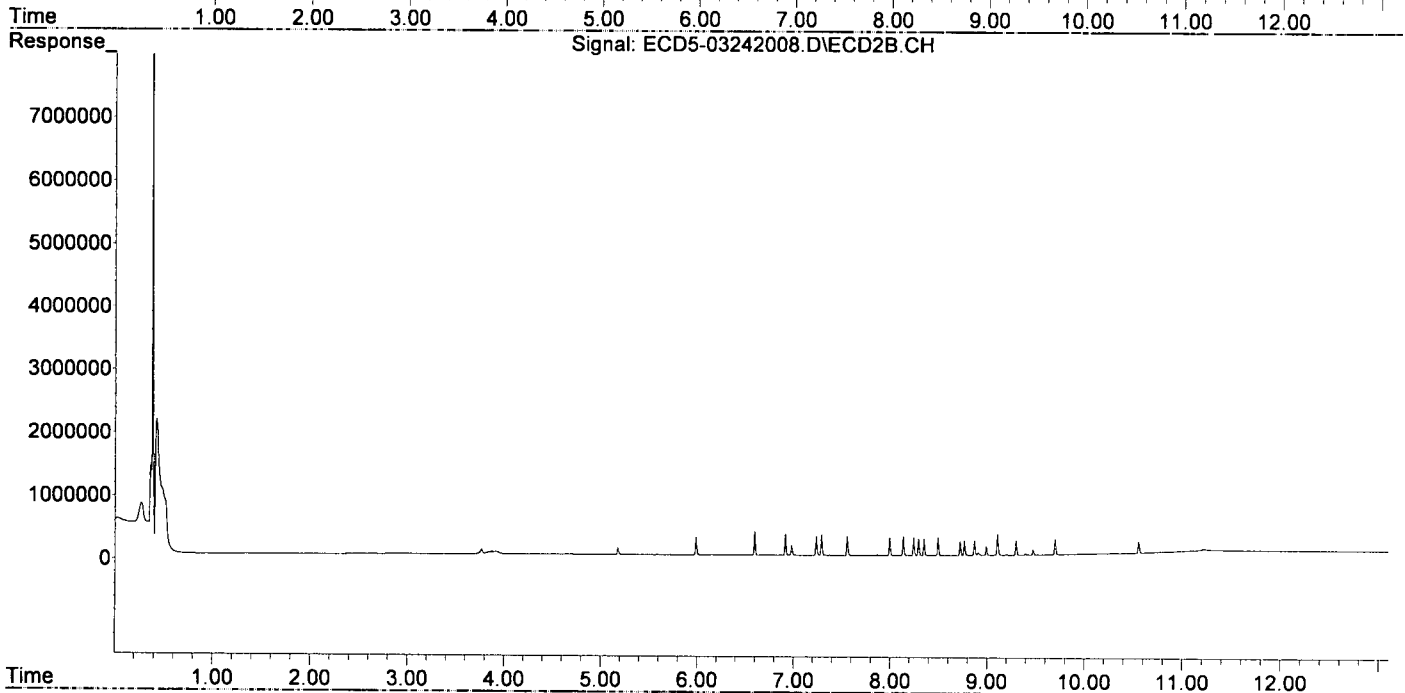
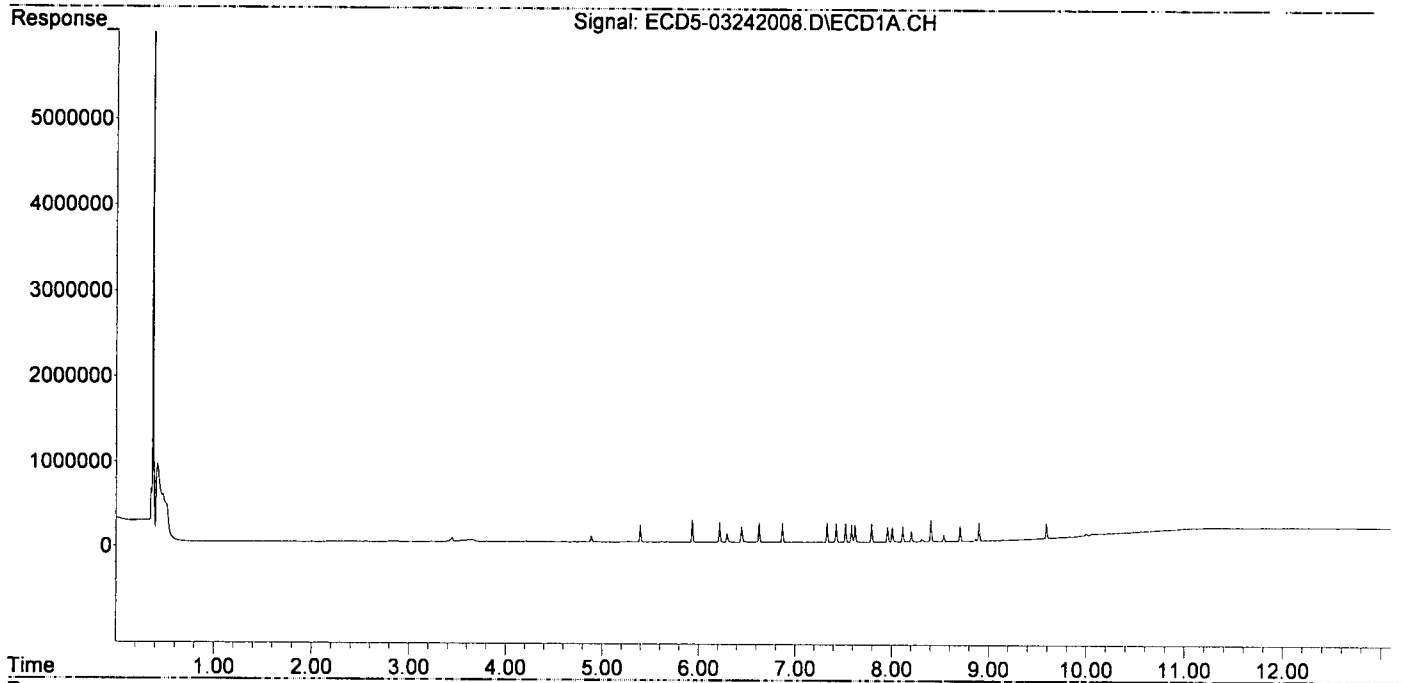
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.392 | 5.988 | 207645 | 286301 | 0.966 | 0.831 |
| 22) S DCBP (S) | 9.591 | 10.555 | 181183 | 178563 | 0.902 | 0.921 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.932 | 6.596 | 265596 | 377299 | 0.929 | 0.881 |
| 3) g-BHC | 6.215 | 6.914 | 235537 | 342671 | 0.933 | 0.839 |
| 4) b-BHC | 6.291 | 6.979 | 105215 | 160782 | 0.792 | 0.788 |
| 5) Heptachlor | 6.624 | 7.290 | 230067 | 329837 | 0.987 | 0.886 |
| 6) d-BHC | 6.442 | 7.235 | 184376 | 305632 | 0.733 | 0.771 |
| 7) Aldrin | 6.866 | 7.556 | 228121 | 307770 | 0.949 | 0.811 |
| 8) Heptachlo... | 7.328 | 7.995 | 224847 | 298486 | 0.999 | 0.865 |
| 9) trans-Chl... | 7.423 | 8.135 | 218460 | 299115 | 0.960 | 0.846 |
| 10) cis-Chlor... | 7.520 | 8.243 | 222249 | 292209 | 1.006 | 0.876 |
| 11) Endosulfa... | 7.618 | 8.293 | 202673 | 271030 | 0.984 | 0.873 |
| 12) 4,4'-DDE | 7.582 | 8.349 | 200955 | 269052 | 0.891 | 0.840 |
| 13) Dieldrin | 7.790 | 8.494 | 219208 | 291990 | 0.951 | 0.843 |
| 14) Endrin | 7.955 | 8.722 | 176915 | 222568 | 1.067 | 0.985 |
| 15) 4,4'-DDD | 8.003 | 8.765 | 171895 | 235370 | 0.923 | 0.891 |
| 16) Endosulfa... | 8.112 | 8.869 | 179623 | 236237 | 0.842 | 0.793 |
| 17) 4,4'-DDT | 8.200 | 8.992 | 121352 | 143366 | 0.857 | 0.871 |
| 18) Endrin Al... | 8.402 | 9.106 | 255838 | 337369 | 1.261 | 1.178 |
| 19) Endosulfa... | 8.703 | 9.297 | 181494 | 232214 | 0.744 | 0.687 |
| 20) Methoxychlor | 8.535 | 9.471 | 79126 | 89258 | 0.954 | 0.940 |
| 21) Endrin Ke... | 8.898 | 9.698 | 212548 | 246568 | 0.877 | 0.798 |
| 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) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Not used in cal

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:33
 Operator : MJB
 Sample : 0C24036-CAL2
 Misc : A20C178, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:33:53 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 14:50
 Operator : MJB
 Sample : 0C24036-CAL3
 Misc : A20C179, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:34:27 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

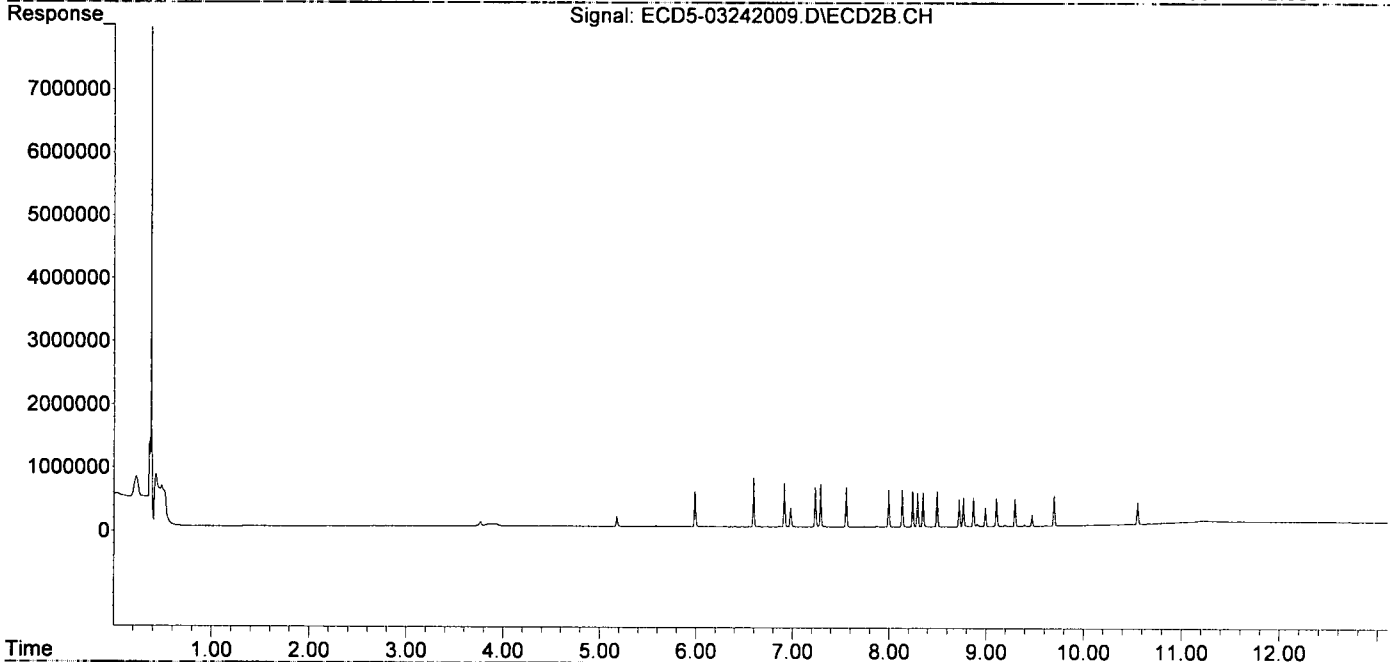
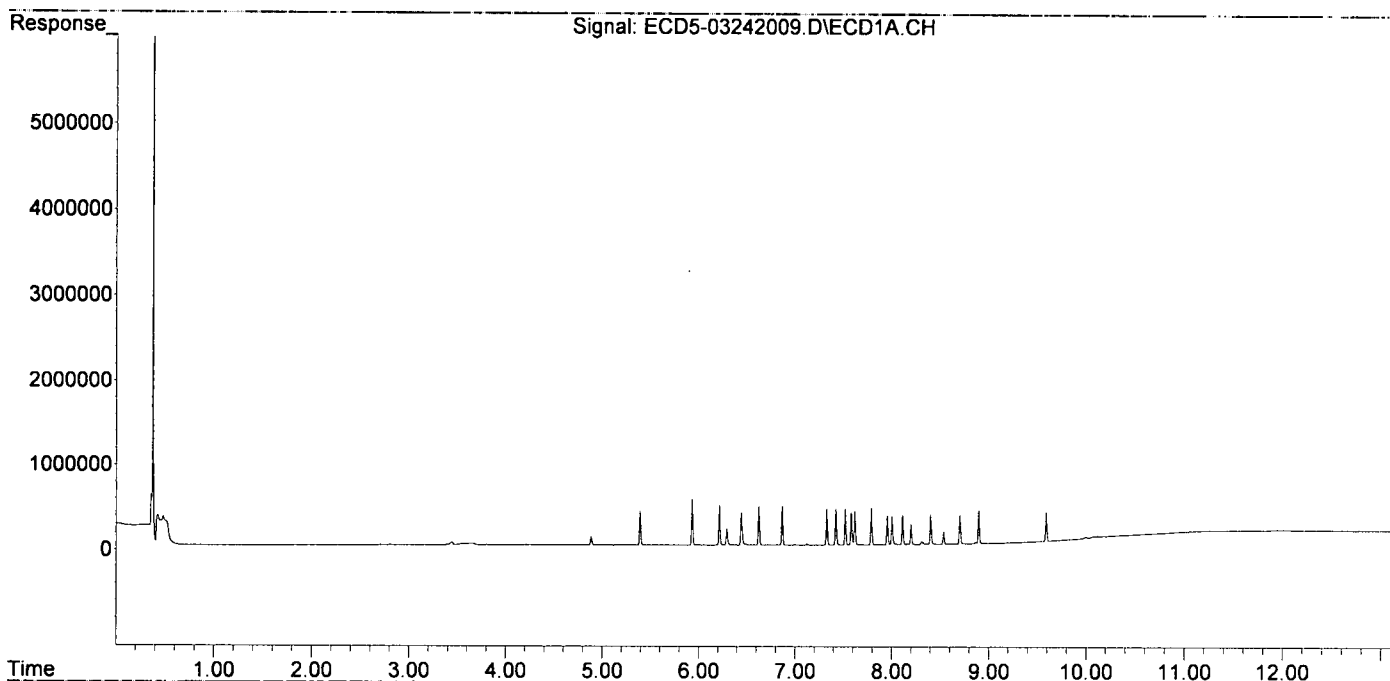
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 389246 | 549729 | 1.811 | 1.596 |
| 22) S DCBP (S) | 9.589 | 10.552 | 338359 | 341403 | 1.905 | 1.760 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 533325 | 769730 | 1.866 | 1.771 |
| 3) g-BHC | 6.213 | 6.913 | 461944 | 680129 | 1.830 | 1.664 |
| 4) b-BHC | 6.289 | 6.977 | 193610 | 302962 | 1.619 | 1.642 |
| 5) Heptachlor | 6.622 | 7.287 | 451051 | 669996 | 1.935 | 1.799 |
| 6) d-BHC | 6.440 | 7.233 | 371970 | 619769 | 1.479 | 1.640 |
| 7) Aldrin | 6.863 | 7.554 | 446847 | 627199 | 1.860 | 1.653 |
| 8) Heptachlo... | 7.326 | 7.994 | 421620 | 587296 | 1.873 | 1.702 |
| 9) trans-Chl... | 7.421 | 8.133 | 420963 | 584049 | 1.850 | 1.652 |
| 10) cis-Chlor... | 7.518 | 8.241 | 418487 | 563394 | 1.894 | 1.690 |
| 11) Endosulfa... | 7.616 | 8.292 | 394005 | 531137 | 1.913 | 1.711 |
| 12) 4,4'-DDE | 7.579 | 8.347 | 377407 | 535383 | 1.674 | 1.637 |
| 13) Dieldrin | 7.788 | 8.493 | 423831 | 559484 | 1.839 | 1.615 |
| 14) Endrin | 7.953 | 8.720 | 337729 | 427288 | 2.038 | 1.918 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 324983 | 459481 | 1.744 | 1.741 |
| 16) Endosulfa... | 8.110 | 8.868 | 336277 | 458827 | 1.782 | 1.720 |
| 17) 4,4'-DDT | 8.198 | 8.990 | 239428 | 293276 | 1.697 | 1.691 |
| 18) Endrin Al... | 8.400 | 9.105 | 339697 | 448662 | 1.823 | 1.701 |
| 19) Endosulfa... | 8.702 | 9.295 | 331487 | 442393 | 1.708 | 1.659 |
| 20) Methoxychlor | 8.534 | 9.469 | 141470 | 178580 | 1.846 | 1.918 |
| 21) Endrin Ke... | 8.896 | 9.696 | 384343 | 474690 | 1.787 | 1.714 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:34:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:07
 Operator : MJB
 Sample : 0C24036-CAL4
 Misc : A20C180, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:35:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

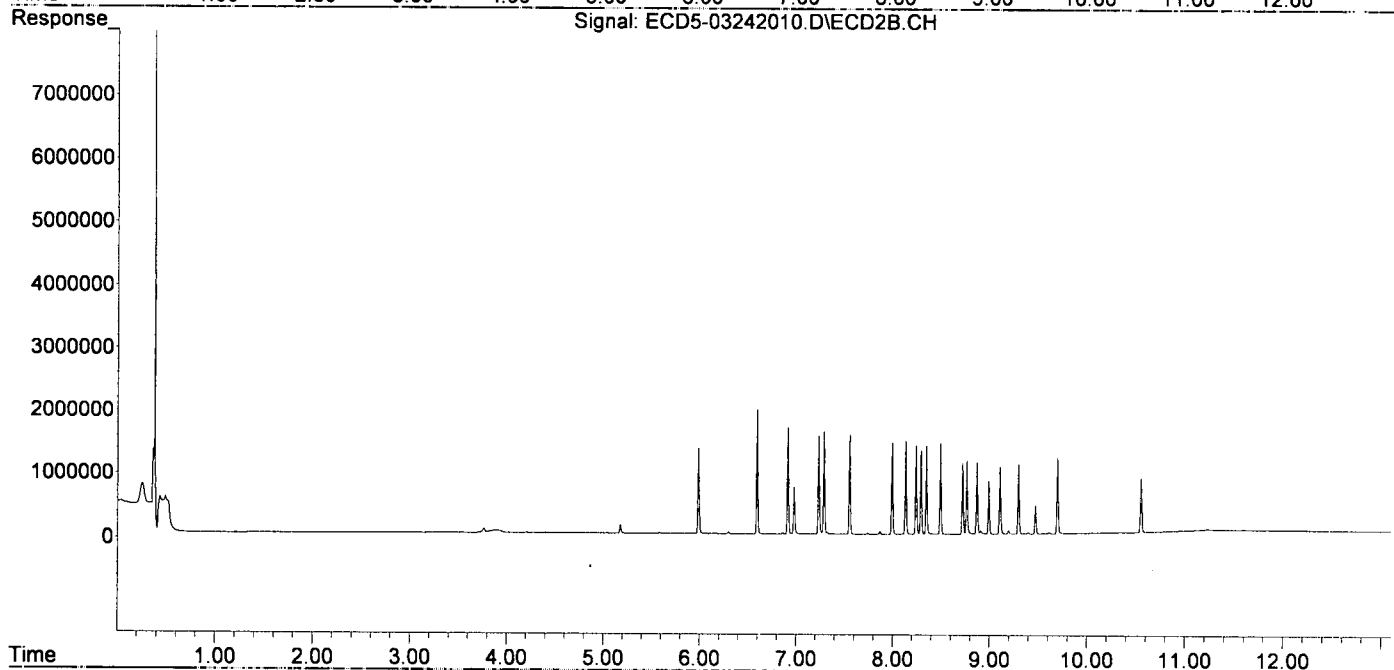
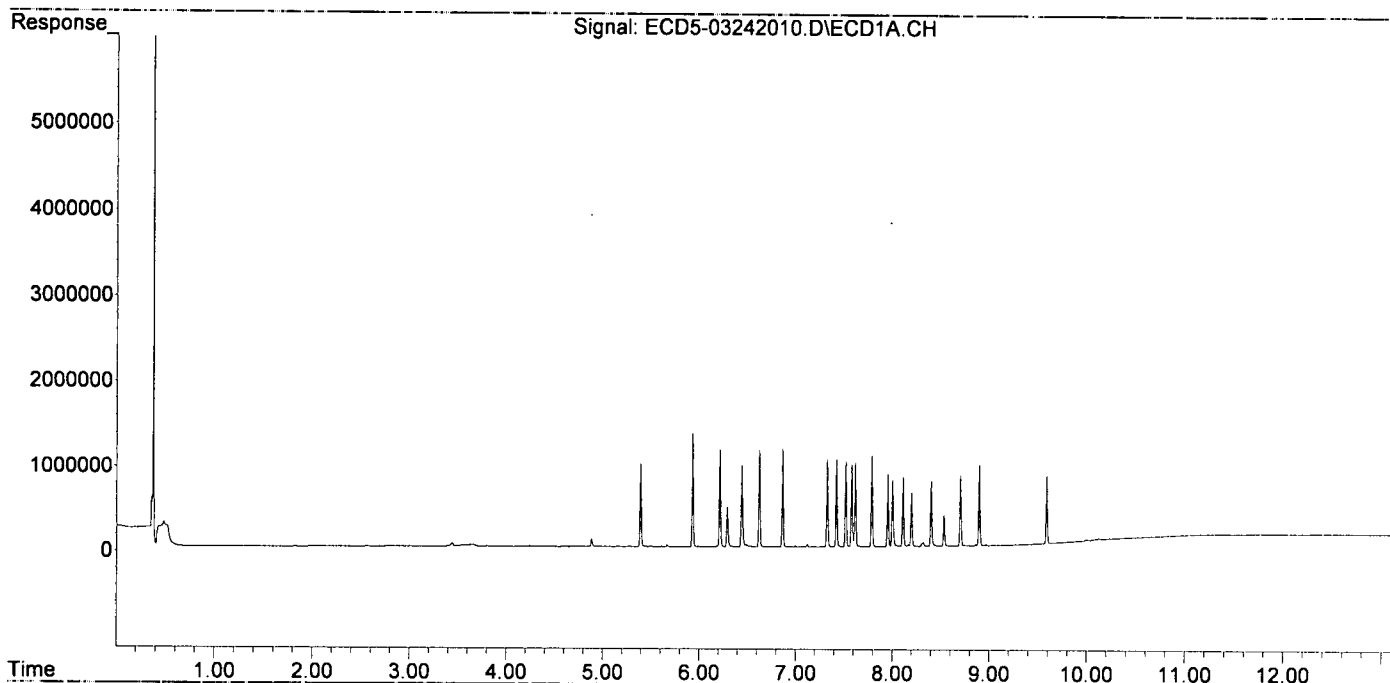
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 964743 | 1335959 | 4.489 | 3.879 |
| 22) S DCBP (S) | 9.588 | 10.553 | 799034 | 836468 | 4.842 | 4.313 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 1329593 | 1962158 | 4.652 | 4.464 |
| 3) g-BHC | 6.213 | 6.913 | 1144128 | 1681533 | 4.533 | 4.115 |
| 4) b-BHC | 6.289 | 6.977 | 468025 | 728404 | 4.187 | 4.192 |
| 5) Heptachlor | 6.622 | 7.288 | 1139576 | 1622489 | 4.888 | 4.358 |
| 6) d-BHC | 6.439 | 7.233 | 956714 | 1544609 | 3.805 | 4.185 |
| 7) Aldrin | 6.863 | 7.554 | 1150626 | 1571627 | 4.789 | 4.143 |
| 8) Heptachlo... | 7.325 | 7.993 | 1022828 | 1429908 | 4.544 | 4.145 |
| 9) trans-Chl... | 7.420 | 8.133 | 1026948 | 1462256 | 4.513 | 4.137 |
| 10) cis-Chlor... | 7.518 | 8.241 | 1009258 | 1388464 | 4.567 | 4.164 |
| 11) Endosulfa... | 7.616 | 8.291 | 985546 | 1319107 | 4.785 | 4.250 |
| 12) 4,4'-DDE | 7.579 | 8.347 | 966330 | 1383430 | 4.287 | 4.168 |
| 13) Dieldrin | 7.787 | 8.493 | 1062097 | 1421532 | 4.608 | 4.104 |
| 14) Endrin | 7.952 | 8.720 | 846370 | 1113227 | 5.106 | 5.022 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 779676 | 1150449 | 4.184 | 4.350 |
| 16) Endosulfa... | 8.109 | 8.868 | 815737 | 1121325 | 4.657 | 4.468 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 628966 | 826552 | 4.458 | 4.579 |
| 18) Endrin Al... | 8.400 | 9.104 | 757621 | 1046598 | 4.623 | 4.497 |
| 19) Endosulfa... | 8.702 | 9.295 | 818686 | 1094098 | 4.836 | 4.659 |
| 20) Methoxychlor | 8.533 | 9.469 | 355516 | 445546 | 4.896 | 4.817 |
| 21) Endrin Ke... | 8.896 | 9.695 | 944342 | 1186676 | 4.752 | 4.558 |
| 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 |
| 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 |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:35:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:24
 Operator : MJB
 Sample : 0C24036-CAL5
 Misc : A20C181, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:35:36 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

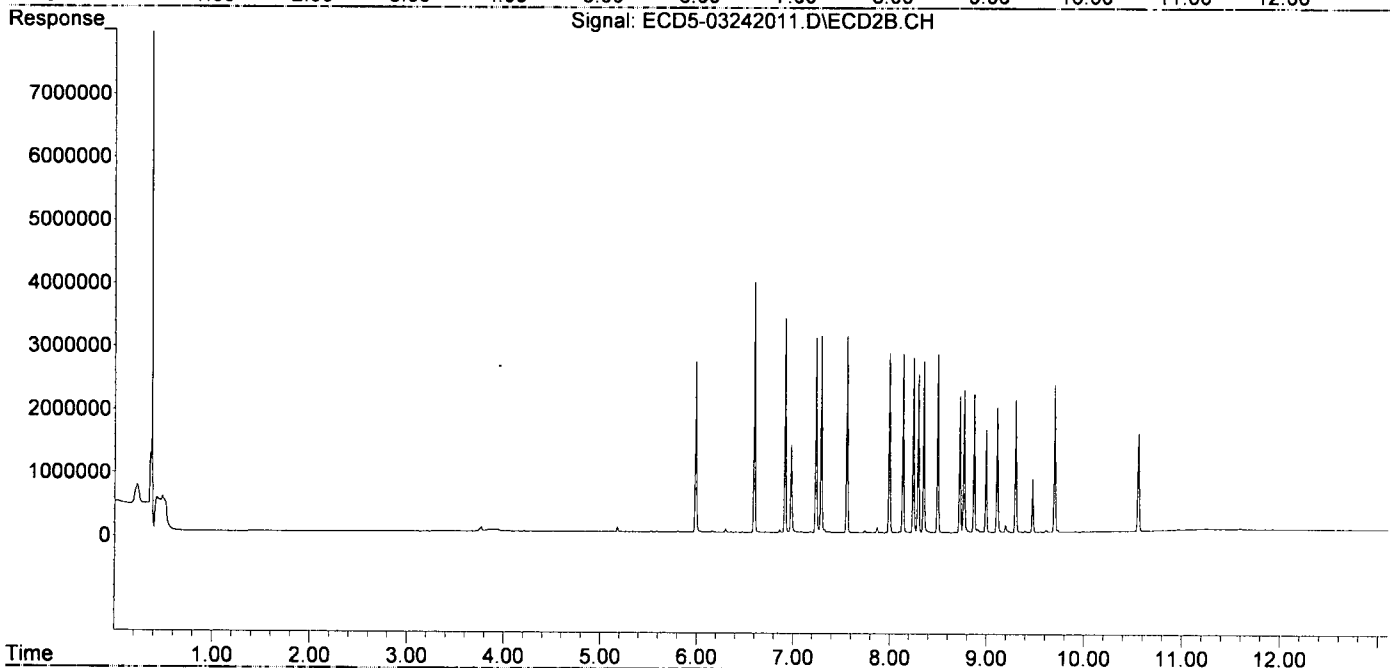
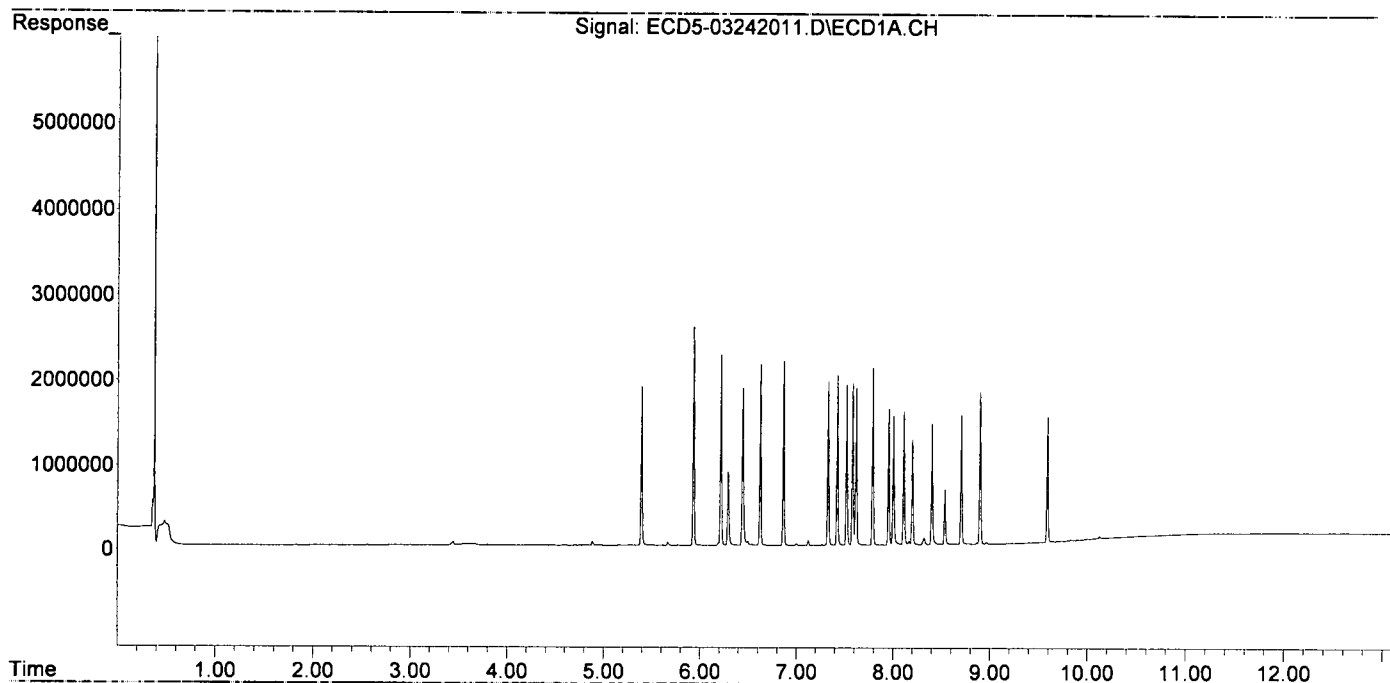
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.391 | 5.987 | 1871440 | 2672852 | 8.707 | 7.761 |
| 22) S DCBP (S) | 9.589 | 10.554 | 1476751 | 1539567 | 9.161 | 7.938 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.595 | 2560403 | 3940249 | 8.959 | 8.891 |
| 3) g-BHC | 6.213 | 6.913 | 2232104 | 3375199 | 8.843 | 8.259 |
| 4) b-BHC | 6.289 | 6.977 | 872767 | 1376406 | 7.977 | 8.063 |
| 5) Heptachlor | 6.623 | 7.288 | 2121785 | 3095659 | 9.101 | 8.314 |
| 6) d-BHC | 6.439 | 7.233 | 1855154 | 3066052 | 7.377 | 8.331 |
| 7) Aldrin | 6.864 | 7.555 | 2164338 | 3095998 | 9.008 | 8.161 |
| 8) Heptachlo... | 7.326 | 7.994 | 1918192 | 2823127 | 8.521 | 8.183 |
| 9) trans-Chl... | 7.421 | 8.134 | 1997780 | 2808234 | 8.780 | 7.945 |
| 10) cis-Chlor... | 7.518 | 8.242 | 1892390 | 2750743 | 8.563 | 8.249 |
| 11) Endosulfa... | 7.616 | 8.292 | 1839301 | 2496249 | 8.930 | 8.043 |
| 12) 4,4'-DDE | 7.579 | 8.348 | 1899226 | 2682066 | 8.425 | 8.018 |
| 13) Dieldrin | 7.787 | 8.493 | 2075053 | 2800716 | 9.003 | 8.085 |
| 14) Endrin | 7.952 | 8.720 | 1604775 | 2149089 | 9.682 | 9.652 |
| 15) 4,4'-DDD | 8.001 | 8.764 | 1528268 | 2247089 | 8.202 | 8.455 |
| 16) Endosulfa... | 8.109 | 8.868 | 1565837 | 2179899 | 9.146 | 8.817 |
| 17) 4,4'-DDT | 8.198 | 8.990 | 1240165 | 1621620 | 8.755 | 8.800 |
| 18) Endrin Al... | 8.400 | 9.105 | 1418667 | 1961779 | 9.051 | 8.742 |
| 19) Endosulfa... | 8.702 | 9.295 | 1519791 | 2092636 | 9.330 | 9.215 |
| 20) Methoxychlor | 8.534 | 9.470 | 649462 | 846036 | 9.056 | 9.099 |
| 21) Endrin Ke... | 8.896 | 9.696 | 1786134 | 2307847 | 9.195 | 8.992 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:24
 Operator : MJB
 Sample : 0C24036-CAL5
 Misc : A20C181, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:35:36 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:41
 Operator : MJB
 Sample : 0C24036-CAL6
 Misc : A20C182, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:36:06 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

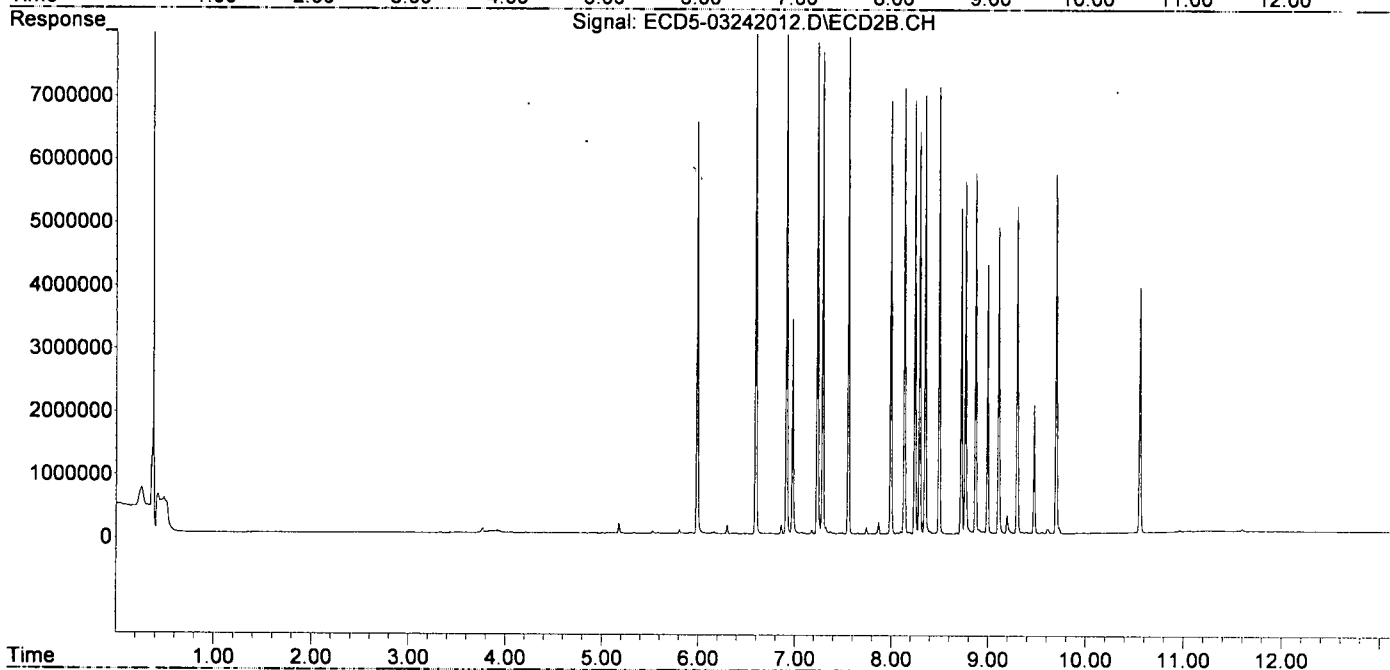
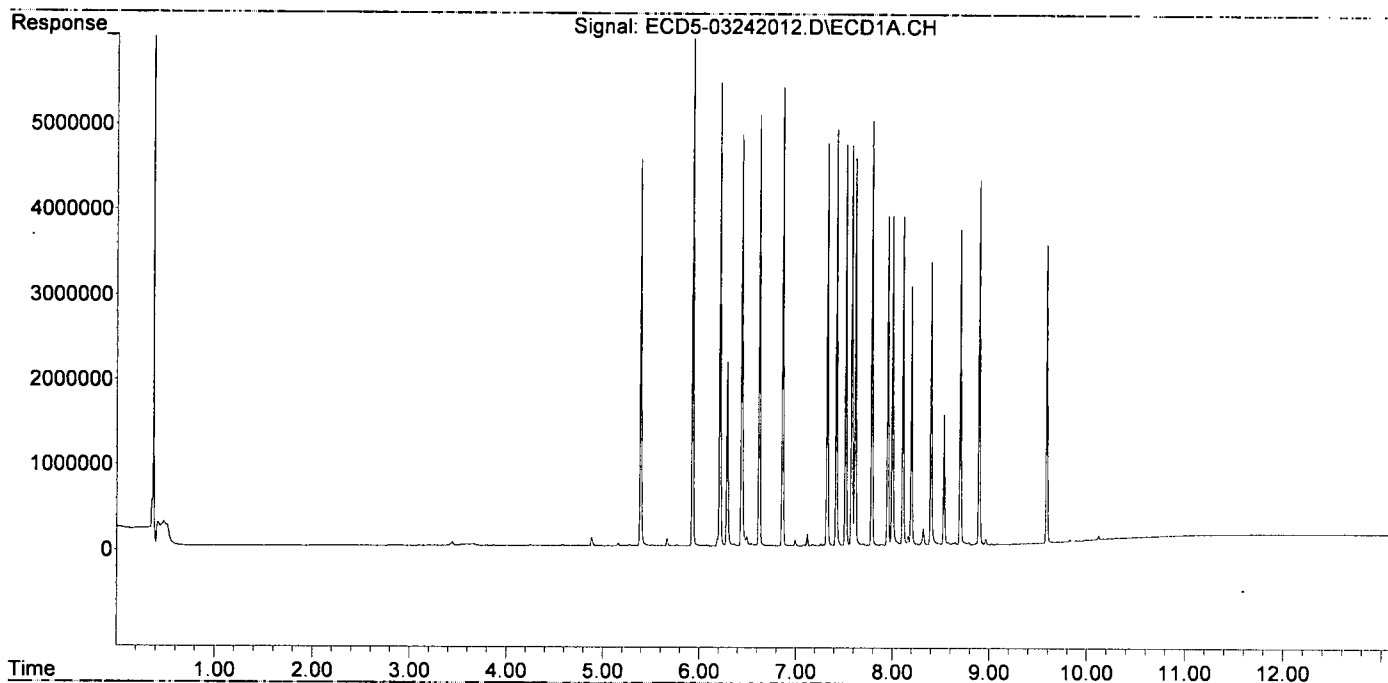
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 4512622 | 6520954 | 20.996 | 18.934 |
| 22) S DCBP (S) | 9.588 | 10.552 | 3497021 | 3867029 | 22.014 | 19.938 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.929 | 6.594 | 6300836 | 9620617 | 22.046 | 21.339 |
| 3) g-BHC | 6.212 | 6.912 | 5406502 | 8241389 | 21.419 | 20.167 |
| 4) b-BHC | 6.288 | 6.976 | 2161452 | 3404701 | 20.058 | 20.081 |
| 5) Heptachlor | 6.621 | 7.287 | 5053266 | 7620334 | 21.676 | 20.466 |
| 6) d-BHC | 6.438 | 7.232 | 4815486 | 7763079 | 19.149 | 20.843 |
| 7) Aldrin | 6.863 | 7.554 | 5344381 | 7846063 | 22.242 | 20.681 |
| 8) Heptachlo... | 7.325 | 7.992 | 4717307 | 6834808 | 20.955 | 19.811 |
| 9) trans-Chl... | 7.419 | 8.132 | 4840892 | 7038270 | 21.274 | 19.913 |
| 10) cis-Chlor... | 7.517 | 8.240 | 4673568 | 6834773 | 21.149 | 20.497 |
| 11) Endosulfa... | 7.615 | 8.291 | 4539125 | 6355160 | 22.039 | 20.477 |
| 12) 4,4'-DDE | 7.578 | 8.346 | 4679040 | 6917688 | 20.756 | 20.371 |
| 13) Dieldrin | 7.787 | 8.492 | 4973639 | 7072067 | 21.580 | 20.417 |
| 14) Endrin | 7.951 | 8.720 | 3854623 | 5127876 | 23.256 | 22.602 |
| 15) 4,4'-DDD | 8.000 | 8.762 | 3831772 | 5545997 | 20.564 | 20.541 |
| 16) Endosulfa... | 8.108 | 8.867 | 3858748 | 5692155 | 22.812 | 22.901 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 3040414 | 4248274 | 21.173 | 22.104 |
| 18) Endrin Al... | 8.399 | 9.104 | 3315527 | 4831046 | 21.749 | 21.798 |
| 19) Endosulfa... | 8.701 | 9.295 | 3693603 | 5149242 | 23.215 | 22.873 |
| 20) Methoxychlor | 8.532 | 9.468 | 1519078 | 2040469 | 21.178 | 21.440 |
| 21) Endrin Ke... | 8.895 | 9.695 | 4268654 | 5671298 | 22.207 | 21.985 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 15:59
 Operator : MJB
 Sample : 0C24036-CAL7
 Misc : A20C183, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:31:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Wed Feb 26 15:13:42 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

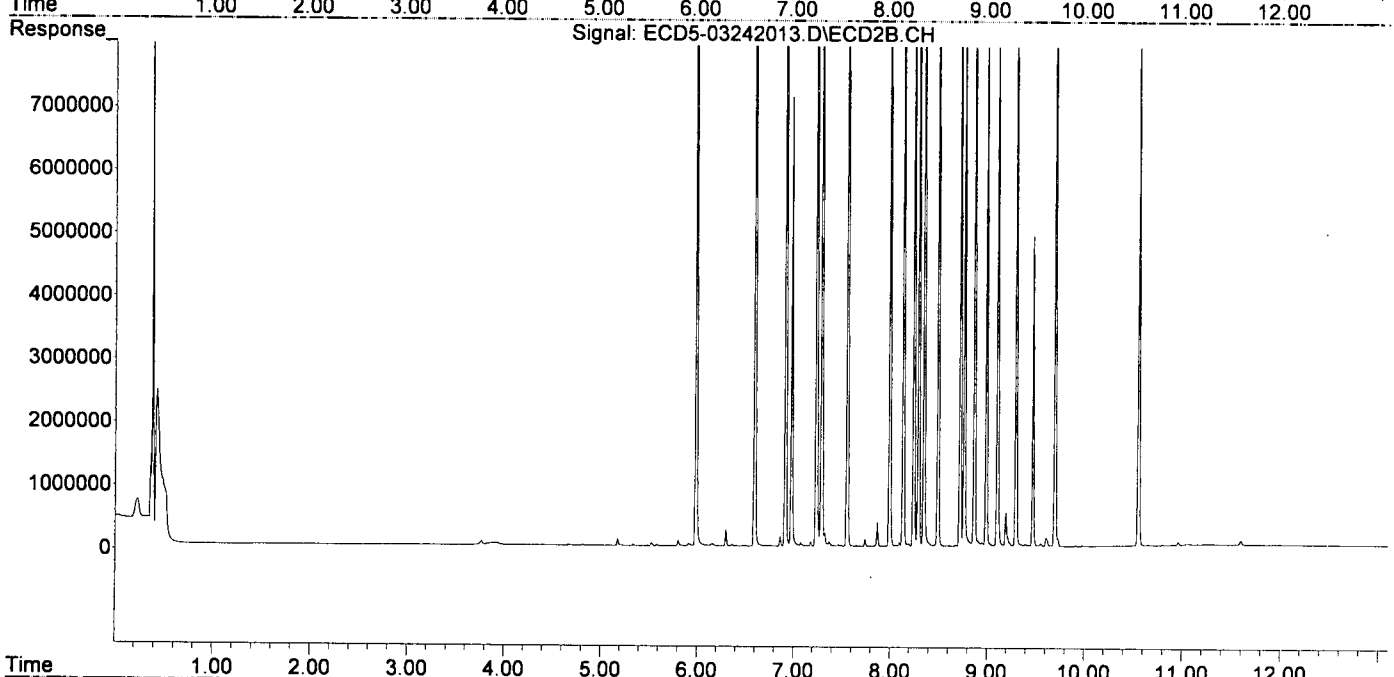
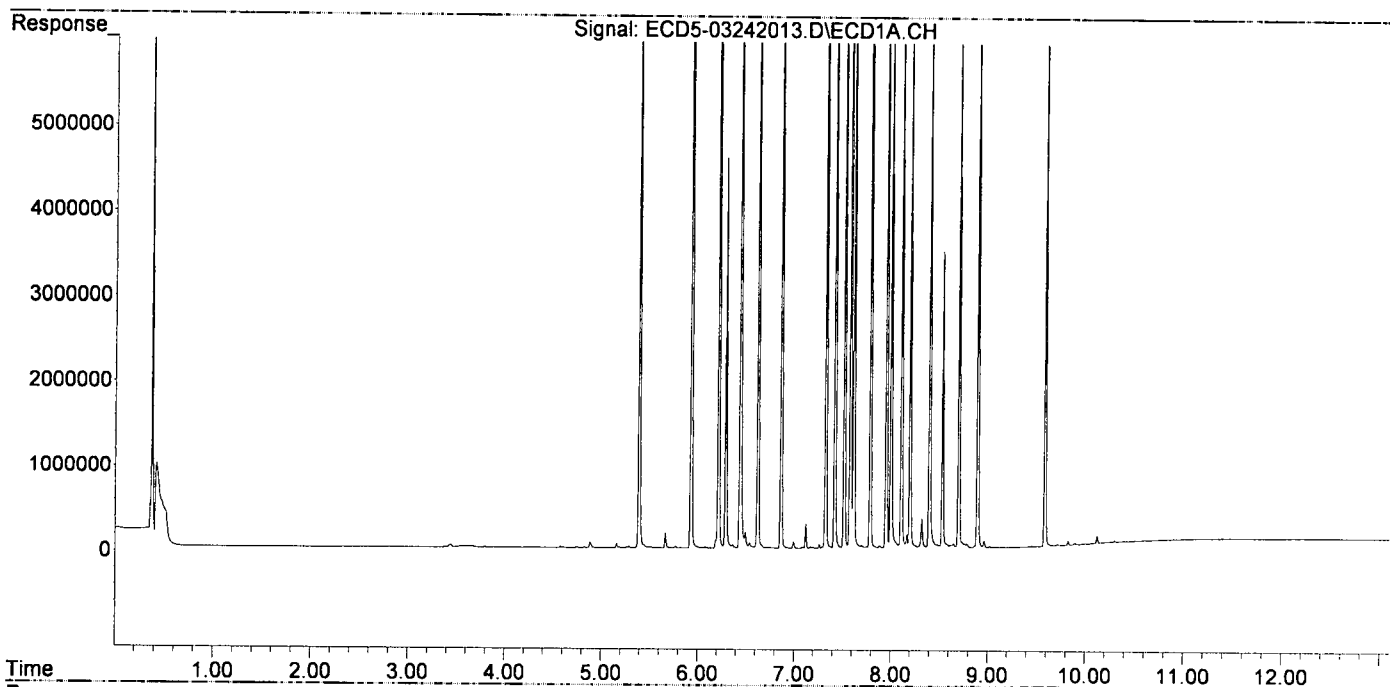
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 9241615 | 14017788 | 42.999 | 40.701 |
| 22) S DCBP (S) | 9.588 | 10.552 | 7476041 | 8231591 | 47.242 | 42.442 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 13114161 | 20918784 | 45.886 | 45.040 |
| 3) g-BHC | 6.213 | 6.913 | 11377125 | 18216369 | 45.074 | 44.577 |
| 4) b-BHC | 6.288 | 6.976 | 4558073 | 7084389 | 42.583 | 41.510 |
| 5) Heptachlor | 6.622 | 7.288 | 10846684 | 16951882 | 46.526 | 45.528 |
| 6) d-BHC | 6.438 | 7.232 | 9993782 | 16615642 | 39.742 | 43.347 |
| 7) Aldrin | 6.863 | 7.554 | 10890711 | 16771407 | 45.325 | 44.208 |
| 8) Heptachlo... | 7.325 | 7.992 | 9785678 | 14878805 | 43.470 | 43.128 |
| 9) trans-Chl... | 7.419 | 8.132 | 10175152 | 15299535 | 44.717 | 43.286 |
| 10) cis-Chlor... | 7.516 | 8.241 | 9884511 | 14093207 | 44.729 | 42.265 |
| 11) Endosulfa... | 7.614 | 8.291 | 9377081 | 13891933 | 45.529 | 44.760 |
| 12) 4,4'-DDE | 7.577 | 8.346 | 9875598 | 14809734 | 43.808 | 42.607 |
| 13) Dieldrin | 7.786 | 8.492 | 10681004 | 15366274 | 46.344 | 44.361 |
| 14) Endrin | 7.951 | 8.719 | 8540081 | 11711561 | 51.525 | 49.544 |
| 15) 4,4'-DDD | 7.999 | 8.762 | 7886558 | 12274757 | 42.325 | 44.099 |
| 16) Endosulfa... | 8.108 | 8.866 | 8018318 | 11889800 | 47.391 | 46.588 |
| 17) 4,4'-DDT | 8.197 | 8.990 | 7151642 | 10176781 | 48.322 | 49.247 |
| 18) Endrin Al... | 8.399 | 9.104 | 7114178 | 10138175 | 47.136 | 45.017 |
| 19) Endosulfa... | 8.701 | 9.294 | 7962851 | 11454958 | 50.271 | 49.803 |
| 20) Methoxychlor | 8.532 | 9.468 | 3473614 | 4887200 | 47.481 | 48.658 |
| 21) Endrin Ke... | 8.895 | 9.695 | 9095515 | 12547342 | 47.133 | 47.255 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:31:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Feb 26 15:13:42 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 16:16
 Operator : MJB
 Sample : 0C24036-CAL8
 Misc : A20C184, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:36:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

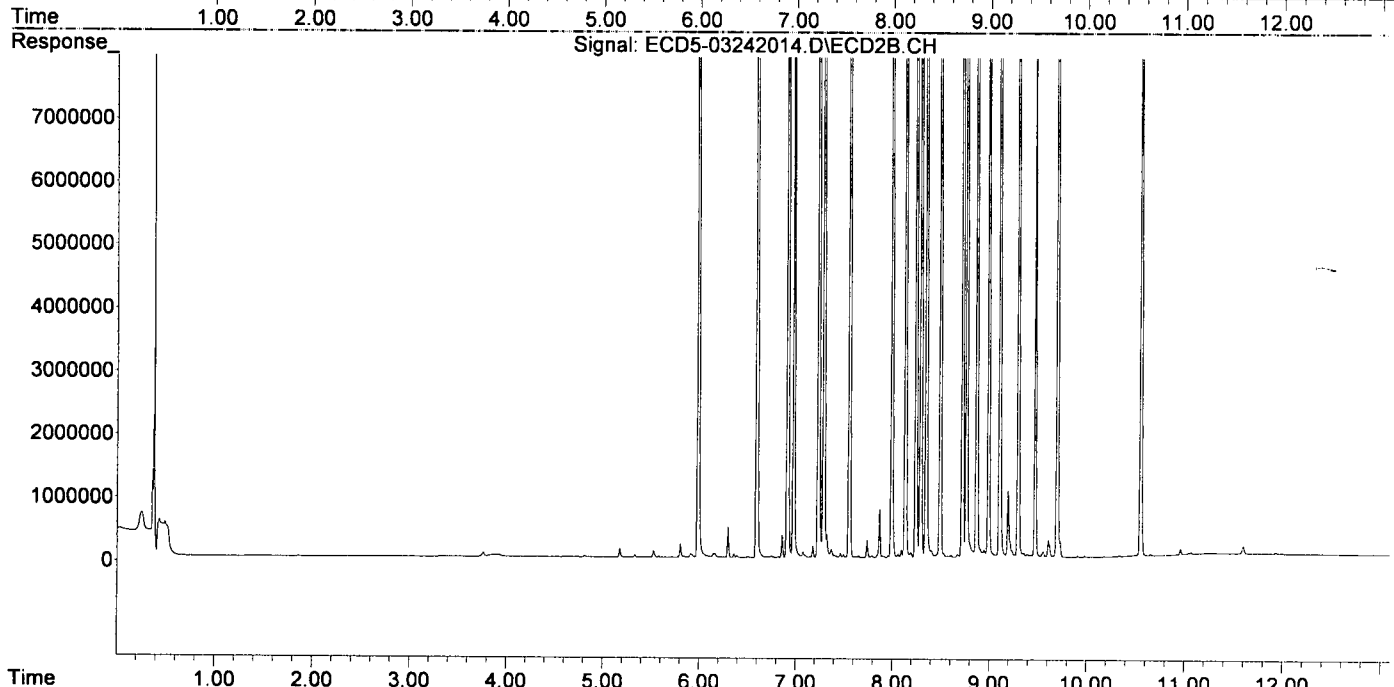
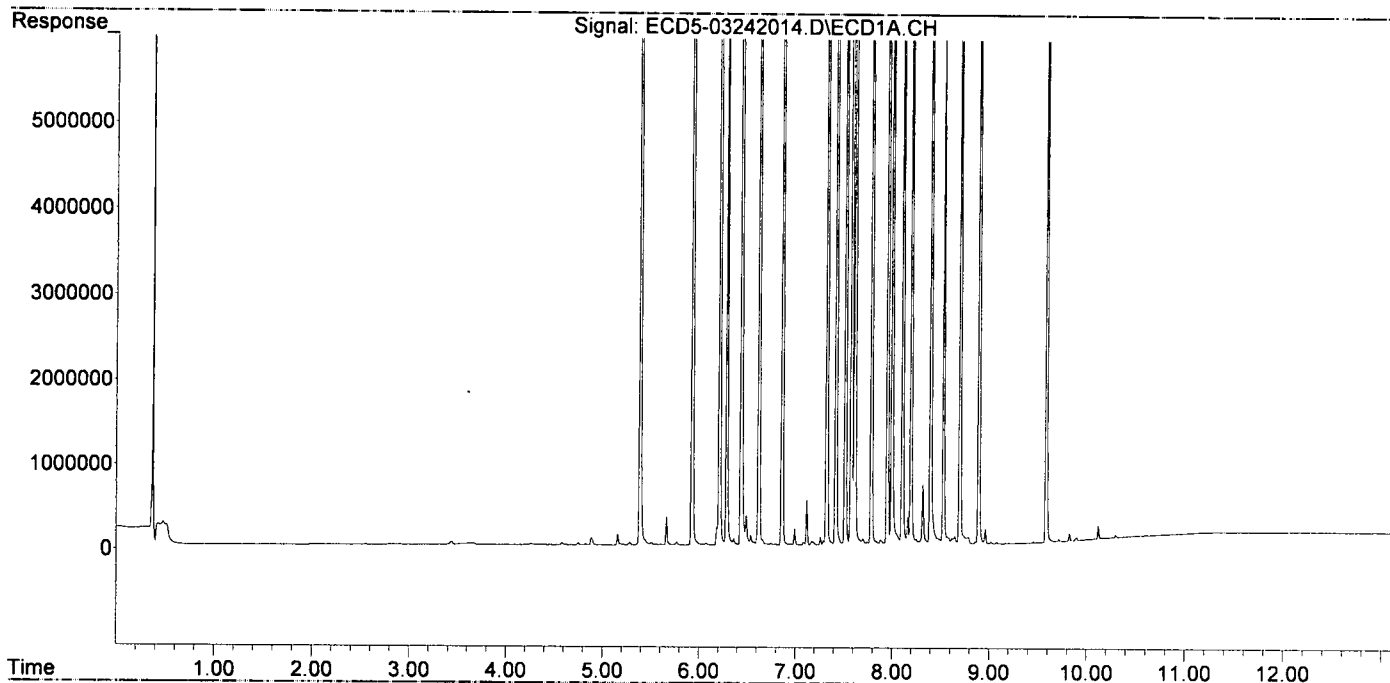
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|--------|----------|----------|---------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 18354469 | 29363025 | 85.399 | 85.256 |
| 22) S DCBP (S) | 9.589 | 10.552 | 14317616 | 16982193 | 90.358 | 87.559 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.594 | 25791911 | 43878049 | 90.245 | 89.607 |
| 3) g-BHC | 6.213 | 6.913 | 22728601 | 37817395 | 90.045 | 92.542 |
| 4) b-BHC | 6.287 | 6.976 | 9186029 | 14734350 | 86.298 | 84.634 |
| 5) Heptachlor | 6.621 | 7.287 | 21522215 | 34641316 | 92.318 | 93.038 |
| 6) d-BHC | 6.436 | 7.232 | 20816304 | 36321392 | 82.779 | 89.336 |
| 7) Aldrin | 6.862 | 7.554 | 21764216 | 34947753 | 90.578 | 92.119 |
| 8) Heptachlo... | 7.324 | 7.993 | 19379985 | 30454129 | 86.090 | 88.274 |
| 9) trans-Chl... | 7.419 | 8.132 | 20337337 | 31903979 | 89.377 | 90.263 |
| 10) cis-Chlor... | 7.516 | 8.241 | 19434367 | 30047171 | 87.944 | 90.111 |
| 11) Endosulfa... | 7.614 | 8.291 | 18202863 | 28261213 | 88.380 | 91.059 |
| 12) 4,4'-DDE | 7.577 | 8.347 | 19819998 | 31108086 | 87.921 | 85.766 |
| 13) Dieldrin | 7.786 | 8.492 | 20834509 | 31817724 | 90.399 | 91.856 |
| 14) Endrin | 7.951 | 8.720 | 16932423 | 24210638 | 102.159 | 95.732 |
| 15) 4,4'-DDD | 7.998 | 8.763 | 16376482 | 25268850 | 87.887 | 86.159 |
| 16) Endosulfa... | 8.108 | 8.867 | 16370864 | 25393438 | 95.951 | 94.012 |
| 17) 4,4'-DDT | 8.196 | 8.989 | 14142106 | 21320006 | 91.241 | 92.923 |
| 18) Endrin Al... | 8.398 | 9.104 | 13795821 | 20401144 | 91.659 | 87.010 |
| 19) Endosulfa... | 8.700 | 9.295 | 15427222 | 22833485 | 96.920 | 94.860 |
| 20) Methoxychlor | 8.531 | 9.468 | 6822606 | 9955852 | 89.927 | 91.470 |
| 21) Endrin Ke... | 8.895 | 9.695 | 17693391 | 25794308 | 90.383 | 91.961 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 16:33
 Operator : MJB
 Sample : 0C24036-CAL9
 Misc : A20C177, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 24 17:37:30 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:31:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

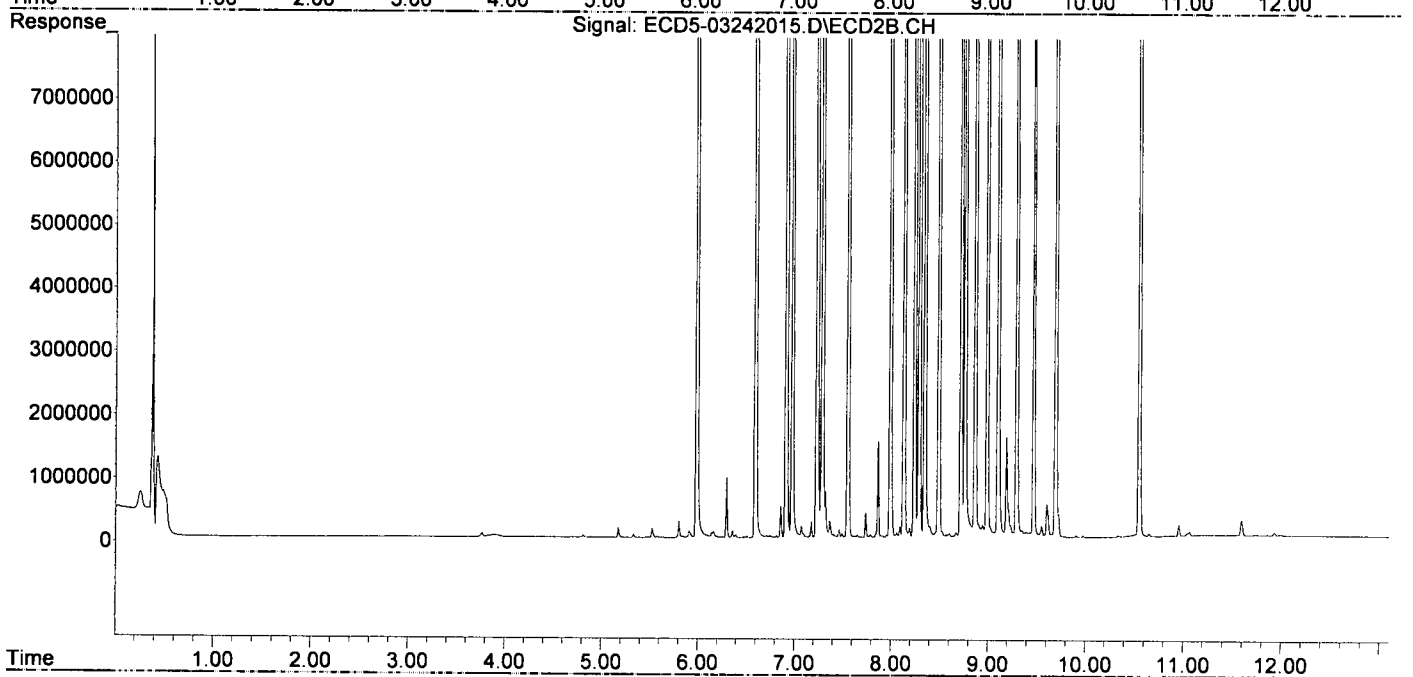
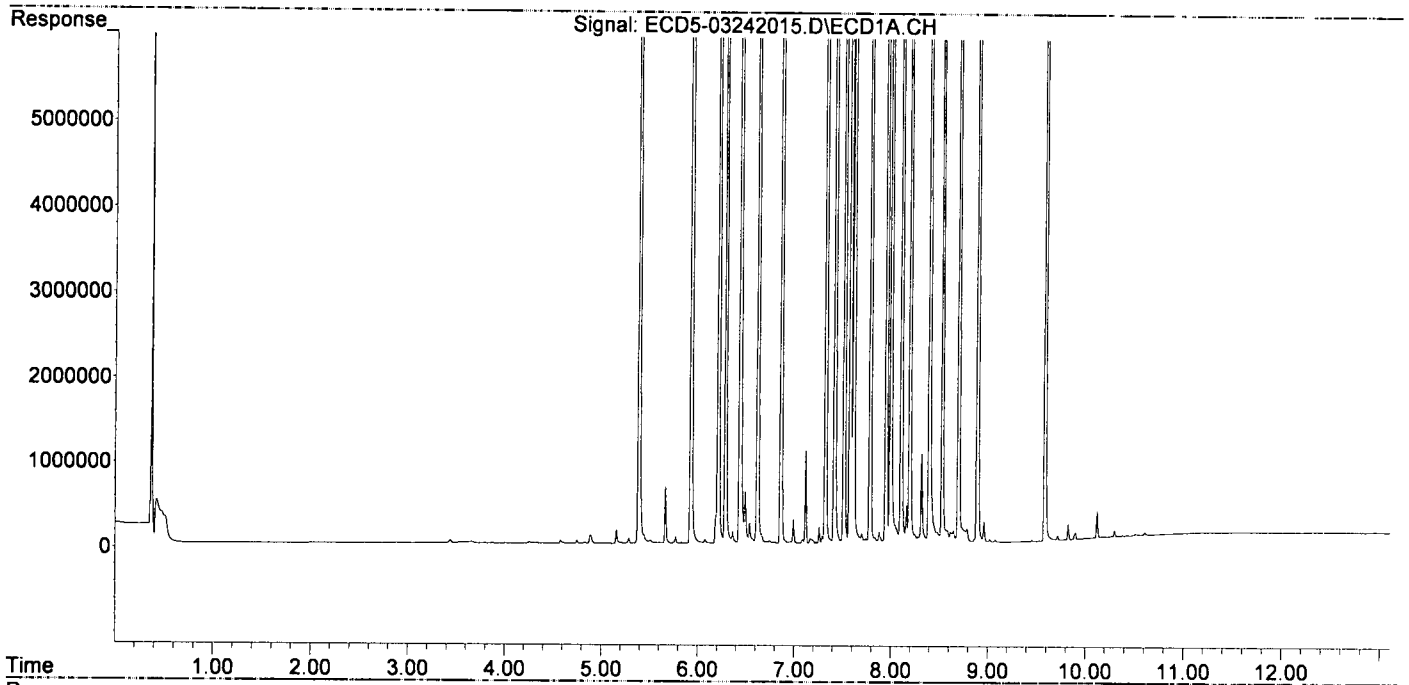
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|--------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 5.390 | 5.986 | 37287793 | 62652252 | 173.492 | 181.912 |
| 22) S DCBP (S) | 9.588 | 10.552 | 30603888 | 37646124 | 191.695 | 194.102 |
| Target Compounds | | | | | | |
| 2) a-BHC | 5.930 | 6.595 | 53574714 | 95080996 | 187.456 | 176.500 |
| 3) g-BHC | 6.213 | 6.913 | 45788993 | 80123150 | 181.405 | 196.068 |
| 4) b-BHC | 6.287 | 6.976 | 19246743 | 31639561 | 182.339 | 174.059 |
| 5) Heptachlor | 6.622 | 7.288 | 44770359 | 74849628 | 192.039 | 201.027 |
| 6) d-BHC | 6.437 | 7.232 | 44077896 | 78530101 | 175.282 | 174.484 |
| 7) Aldrin | 6.863 | 7.554 | 43391772 | 73074265 | 180.587 | 192.616 |
| 8) Heptachlo... | 7.324 | 7.993 | 40218545 | 65529406 | 178.660 | 189.943 |
| 9) trans-Chl... | 7.418 | 8.132 | 41148096 | 67423876 | 180.834 | 190.757 |
| 10) cis-Chlor... | 7.516 | 8.241 | 40151651 | 63539129 | 181.692 | 190.553 |
| 11) Endosulfa... | 7.614 | 8.291 | 37977688 | 60399349 | 184.393 | 194.609 |
| 12) 4,4'-DDE | 7.577 | 8.347 | 41977826 | 67276188 | 186.212 | 171.401 |
| 13) Dieldrin | 7.786 | 8.492 | 41790341 | 67824542 | 181.325 | 195.805 |
| 14) Endrin | 7.951 | 8.720 | 35813409 | 54001572 | 216.074 | 188.665 |
| 15) 4,4'-DDD | 7.998 | 8.763 | 34856254 | 56579001 | 187.062 | 174.301 |
| 16) Endosulfa... | 8.107 | 8.867 | 34456245 | 55386082 | 197.722 | 184.985 |
| 17) 4,4'-DDT | 8.196 | 8.989 | 32760341 | 51243602 | 191.220 | 184.865 |
| 18) Endrin Al... | 8.398 | 9.103 | 29700843 | 45235475 | 196.977 | 176.860 |
| 19) Endosulfa... | 8.700 | 9.294 | 32519969 | 51902037 | 200.794 | 195.219 |
| 20) Methoxychlor | 8.531 | 9.468 | 16176865 | 24593885 | 195.297 | 191.374 |
| 21) Endrin Ke... | 8.895 | 9.695 | 38148403 | 58217622 | 188.052 | 186.117 |
| 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 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:37:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:24
 Operator : MJB
 Sample : 0C24036-CALA
 Misc : A20C399, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:28:15 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

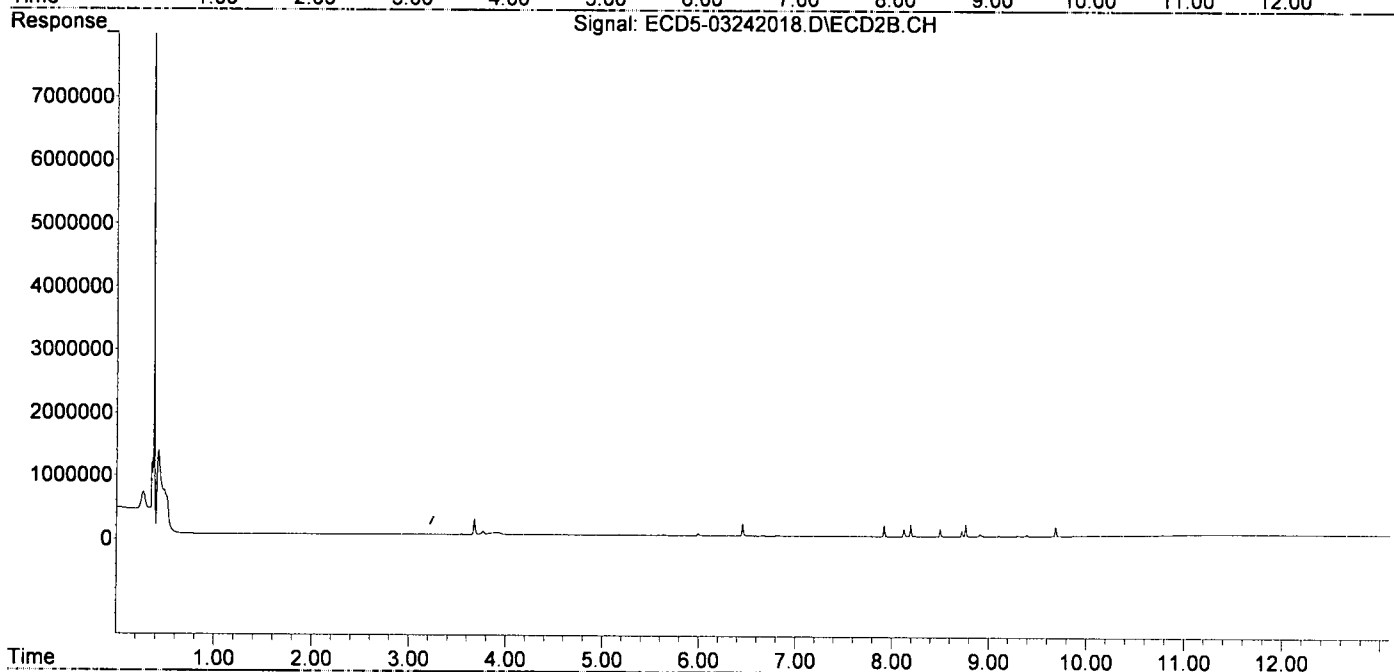
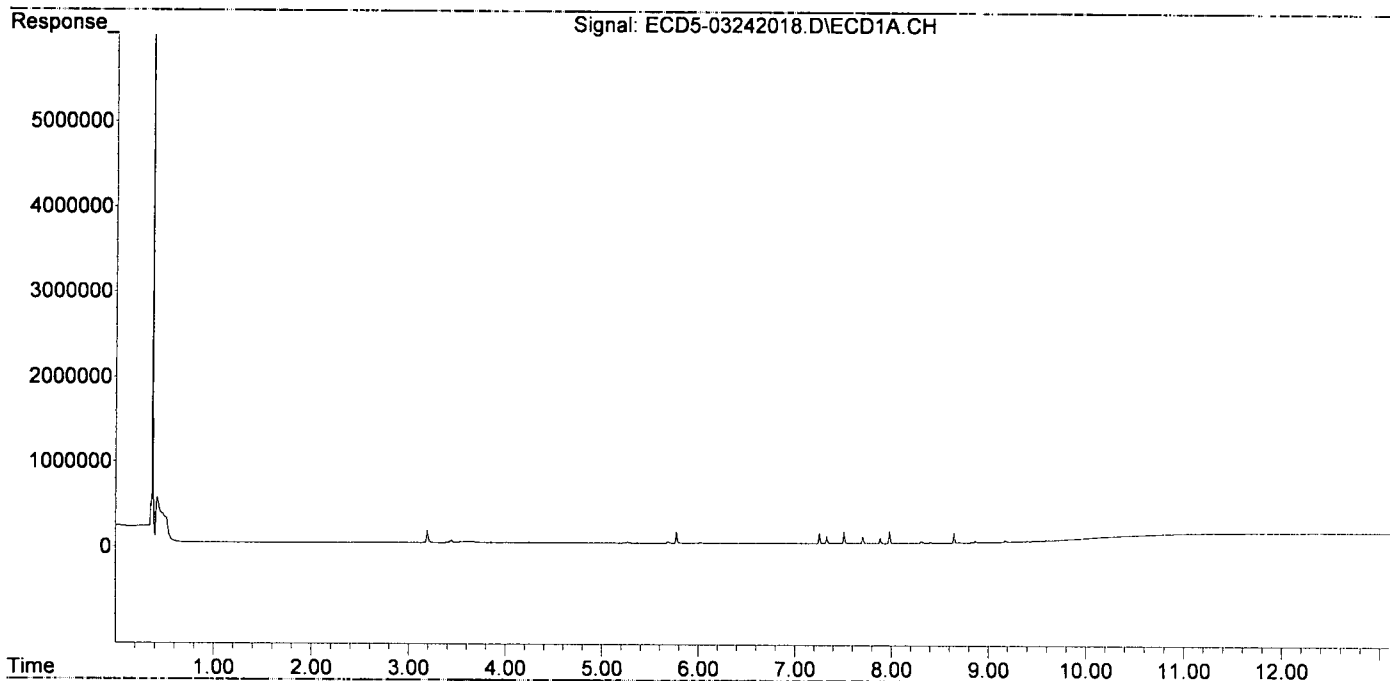
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.192 | 3.675 | 138995 | 251522 | 0.626 | 0.578 |
| 24) Hexachlor... | 5.773 | 6.455 | 135442 | 201955 | 0.602 | 0.553 |
| 25) Oxychlorthane | 7.254 | 7.923 | 123441 | 180540 | 0.616 | 0.588 |
| 26) 2,4'-DDE | 7.330 | 8.127 | 83210 | 124973 | 0.545 | 0.531 |
| 27) trans-Non... | 7.510 | 8.197 | 138714 | 194733 | 0.619 | 0.572 |
| 28) 2,4'-DDD | 7.704 | 8.500 | 79625 | 121076 | 0.581 | 0.580 |
| 29) 2,4'-DDT | 7.885 | 8.725 | 67791 | 93729 | 0.524 | 0.596 |
| 30) cis-Nonac... | 7.981 | 8.764 | 143310 | 200734 | 0.573 | 0.535 |
| 31) Mirex | 8.647 | 9.688 | 112691 | 155731 | 0.573 | 0.660 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 17:42
 Operator : MJB
 Sample : 0C24036-CALB
 Misc : A20C353, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:28:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
3/25/20*

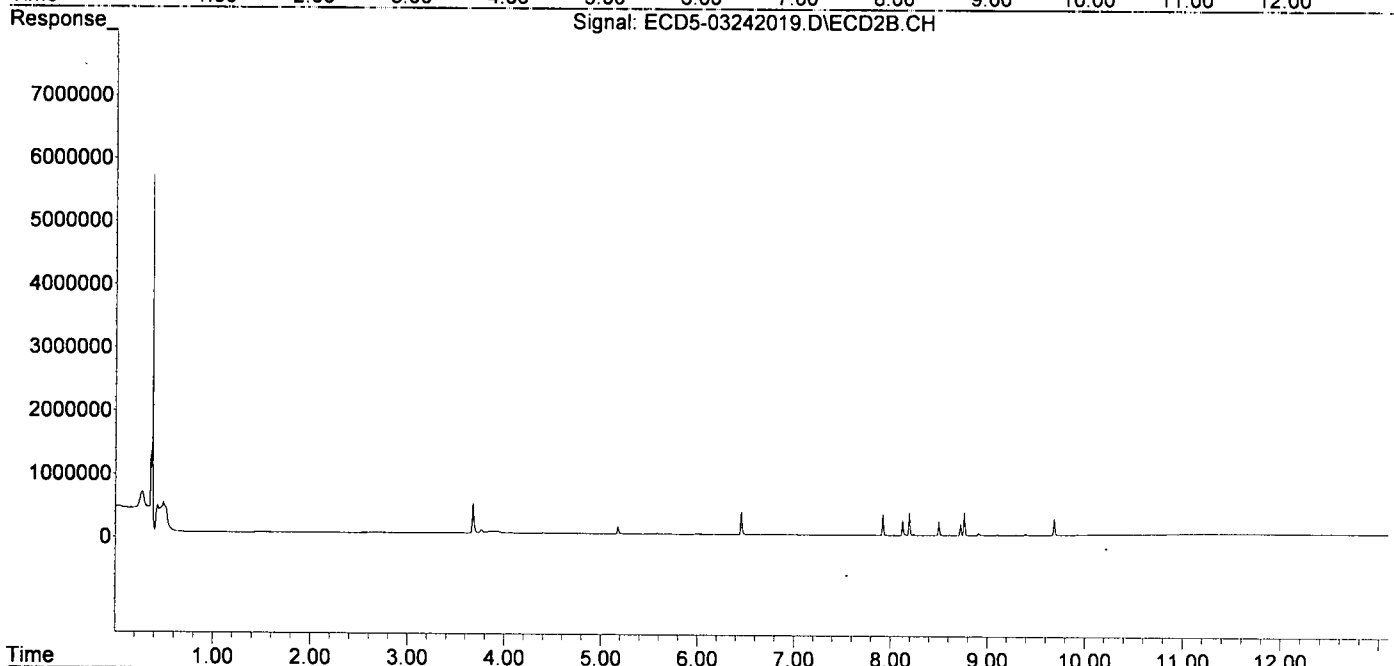
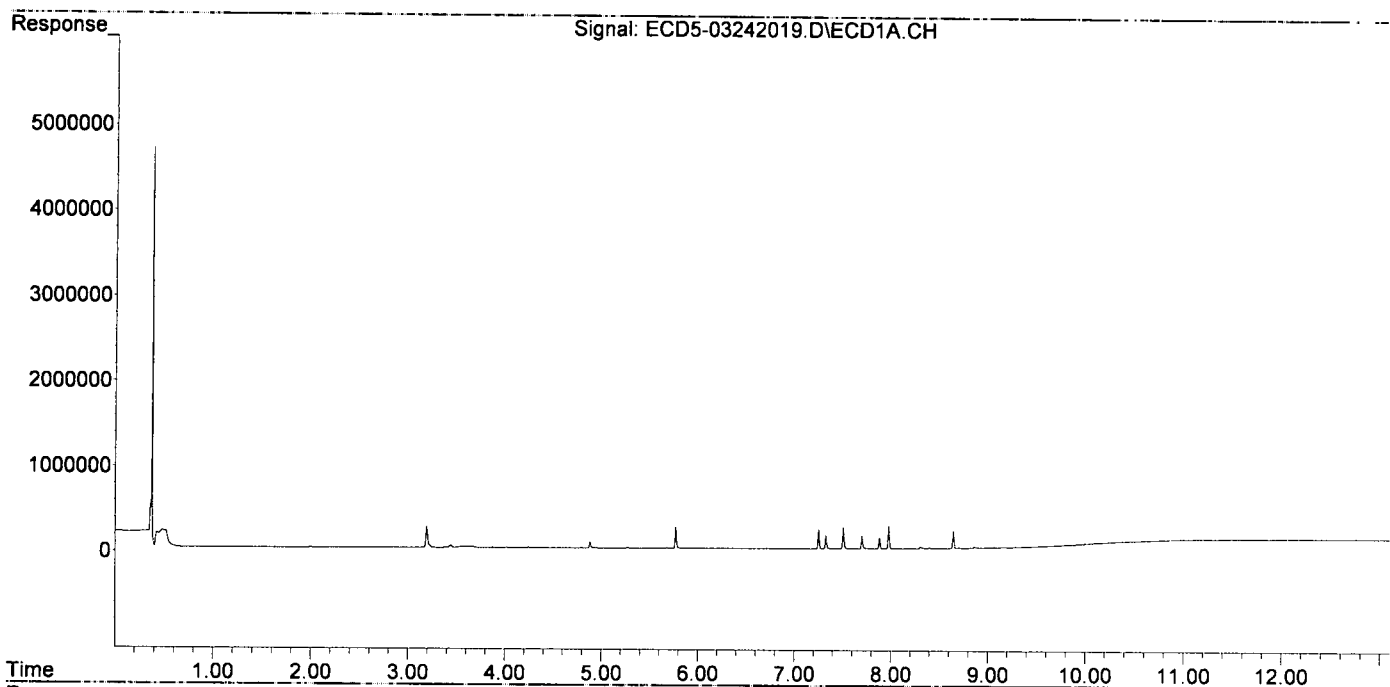
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.191 | 3.673 | 252963 | 464249 | 1.139 | 1.067 |
| 24) Hexachlor... | 5.771 | 6.453 | 248838 | 360738 | 1.106 | 0.987 |
| 25) Oxychlorane | 7.252 | 7.920 | 228603 | 334034 | 1.141 | 1.087 |
| 26) 2,4'-DDE | 7.328 | 8.124 | 156744 | 238501 | 1.028 | 1.013 |
| 27) trans-Non... | 7.508 | 8.194 | 250677 | 360386 | 1.119 | 1.059 |
| 28) 2,4'-DDD | 7.701 | 8.498 | 148717 | 222099 | 1.085 | 1.063 |
| 29) 2,4'-DDT | 7.883 | 8.723 | 129911 | 174701 | 1.005 | 1.083 |
| 30) cis-Nonac... | 7.978 | 8.761 | 268101 | 371890 | 1.071 | 0.990 |
| 31) Mirex | 8.645 | 9.686 | 203027 | 260806 | 1.213 | 1.209 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:31
 Operator : MJB
 Sample : 0C24036-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:29:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

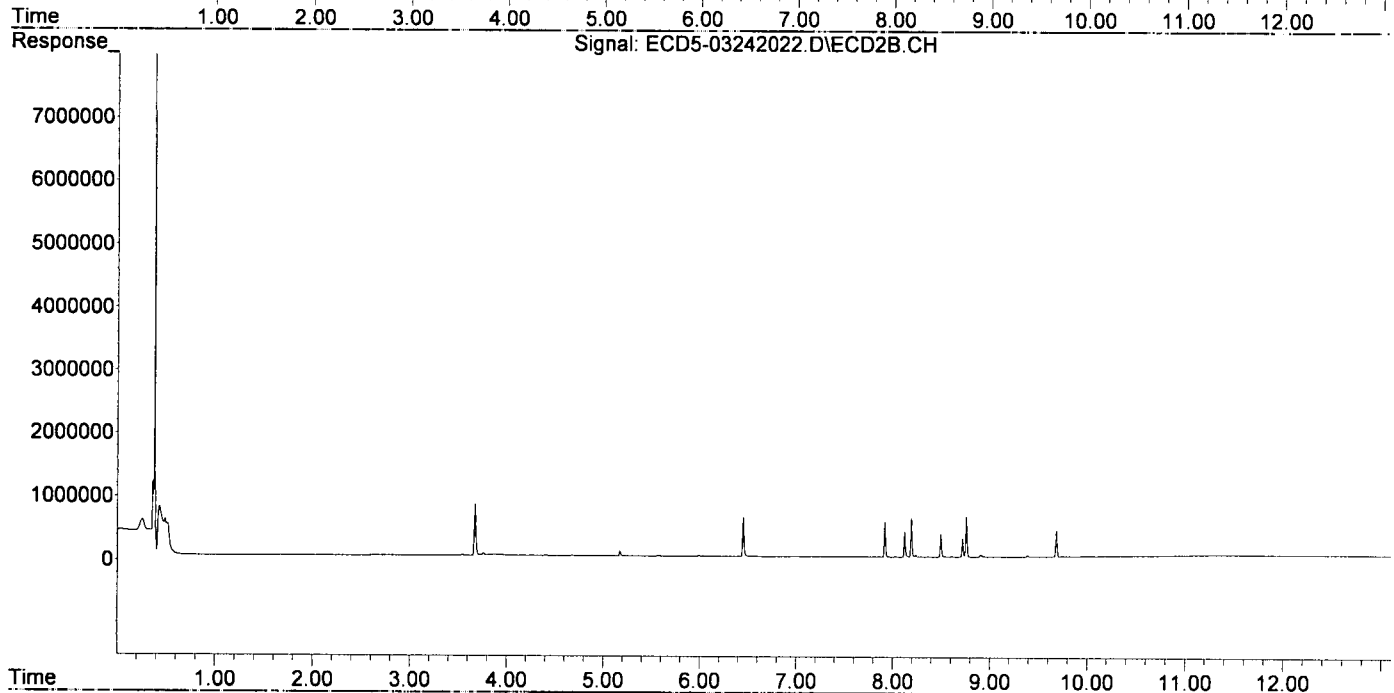
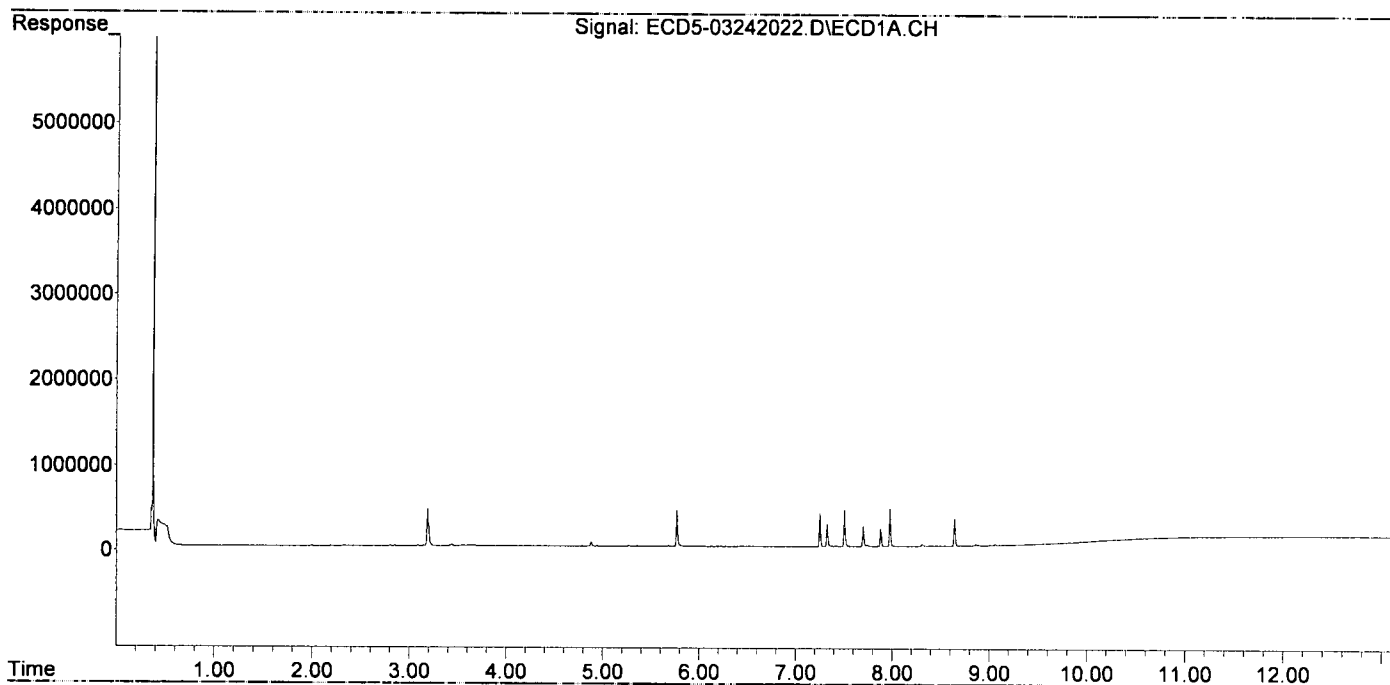
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.191 | 3.673 | 439567 | 807666 | 1.978 | 1.856 |
| 24) Hexachlor... | 5.771 | 6.452 | 419155 | 612934 | 1.863 | 1.677 |
| 25) Oxychlorthane | 7.253 | 7.920 | 386790 | 549047 | 1.931 | 1.787 |
| 26) 2,4'-DDE | 7.329 | 8.125 | 267207 | 397498 | 1.752 | 1.689 |
| 27) trans-Non... | 7.508 | 8.194 | 423056 | 615457 | 1.889 | 1.809 |
| 28) 2,4'-DDD | 7.702 | 8.498 | 239865 | 366090 | 1.751 | 1.752 |
| 29) 2,4'-DDT | 7.882 | 8.723 | 208673 | 293188 | 1.614 | 1.792 |
| 30) cis-Nonac... | 7.979 | 8.761 | 442808 | 633230 | 1.769 | 1.686 |
| 31) Mirex | 8.646 | 9.686 | 323334 | 416537 | 2.066 | 2.023 |
| 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 |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:31
 Operator : MJB
 Sample : 0C24036-CALC
 Misc : A20C354, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:29:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 18:48
 Operator : MJB
 Sample : 0C24036-CALD
 Misc : A20C355, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:30:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

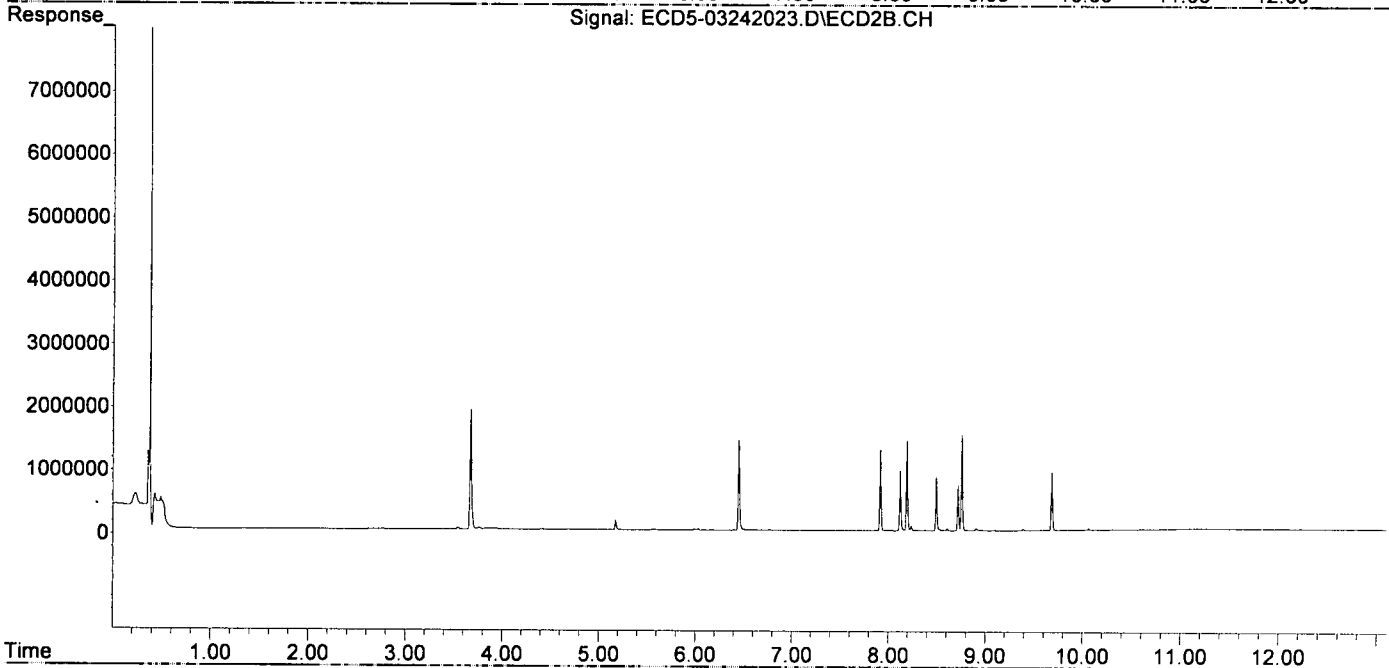
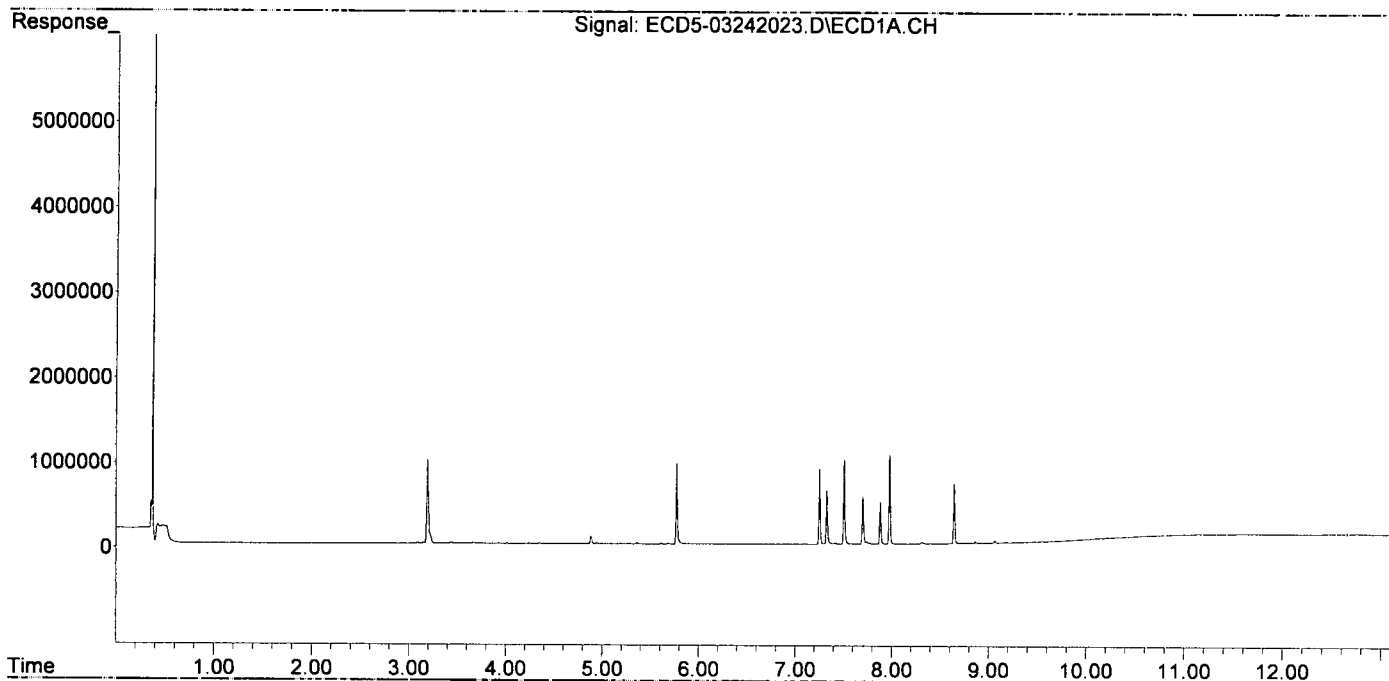
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.191 | 3.674 | 985296 | 1888911 | 4.435 | 4.340 |
| 24) Hexachlor... | 5.771 | 6.453 | 941551 | 1416782 | 4.185 | 3.876 |
| 25) Oxychlorthane | 7.253 | 7.920 | 875331 | 1273733 | 4.370 | 4.145 |
| 26) 2,4'-DDE | 7.328 | 8.124 | 627099 | 936012 | 4.111 | 3.976 |
| 27) trans-Non... | 7.508 | 8.195 | 981829 | 1410113 | 4.383 | 4.144 |
| 28) 2,4'-DDD | 7.701 | 8.498 | 556778 | 847949 | 4.064 | 4.059 |
| 29) 2,4'-DDT | 7.883 | 8.722 | 500416 | 709957 | 3.870 | 4.266 |
| 30) cis-Nonac... | 7.978 | 8.761 | 1044308 | 1501113 | 4.172 | 3.997 |
| 31) Mirex | 8.645 | 9.686 | 702511 | 917688 | 4.753 | 4.633 |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 37) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 38) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 39) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 40) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 41) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:48
Operator : MJB
Sample : 0C24036-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:05
 Operator : MJB
 Sample : 0C24036-CALE
 Misc : A20C356, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:30:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

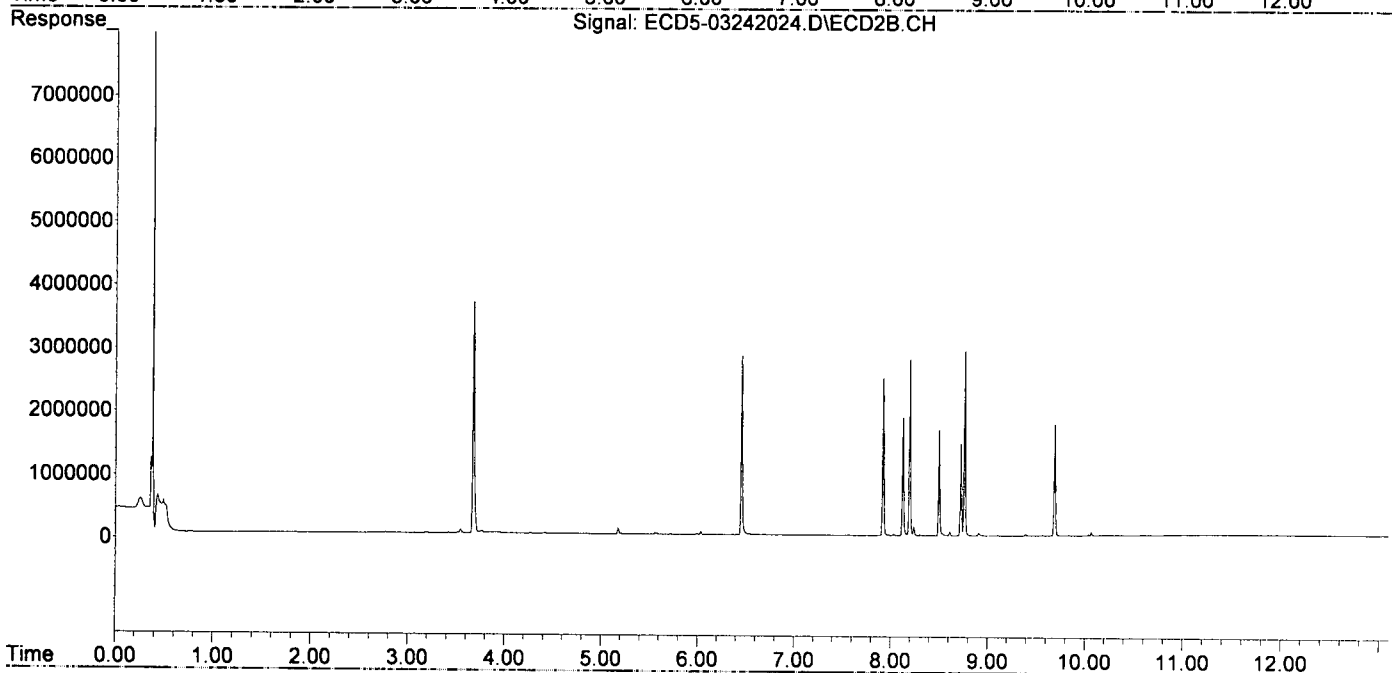
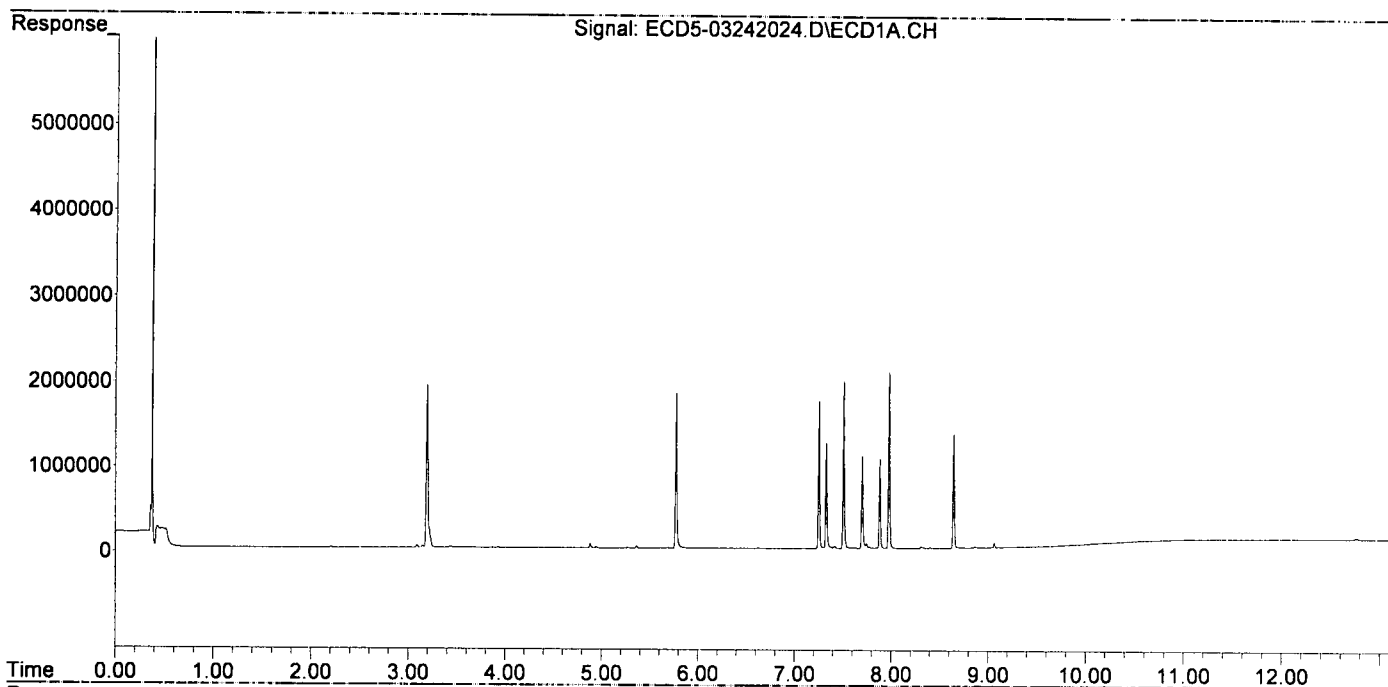
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.191 | 3.673 | 1913685 | 3659331 | 8.613 | 8.409 |
| 24) Hexachlor... | 5.771 | 6.453 | 1821184 | 2829027 | 8.094 | 7.740 |
| 25) Oxychlordane | 7.252 | 7.921 | 1728237 | 2482080 | 8.629 | 8.078 |
| 26) 2,4'-DDE | 7.328 | 8.125 | 1237758 | 1859258 | 8.114 | 7.899 |
| 27) trans-Non... | 7.508 | 8.195 | 1958355 | 2785866 | 8.743 | 8.187 |
| 28) 2,4'-DDD | 7.701 | 8.498 | 1077430 | 1664096 | 7.863 | 7.966 |
| 29) 2,4'-DDT | 7.883 | 8.723 | 1038872 | 1455490 | 8.034 | 8.616 |
| 30) cis-Nonac... | 7.979 | 8.762 | 2056686 | 2912480 | 8.216 | 7.755 |
| 31) Mirex | 8.645 | 9.687 | 1334200 | 1755471 | 9.221 | 8.968 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:22
 Operator : MJB
 Sample : 0C24036-CALF
 Misc : A20C357, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:31:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

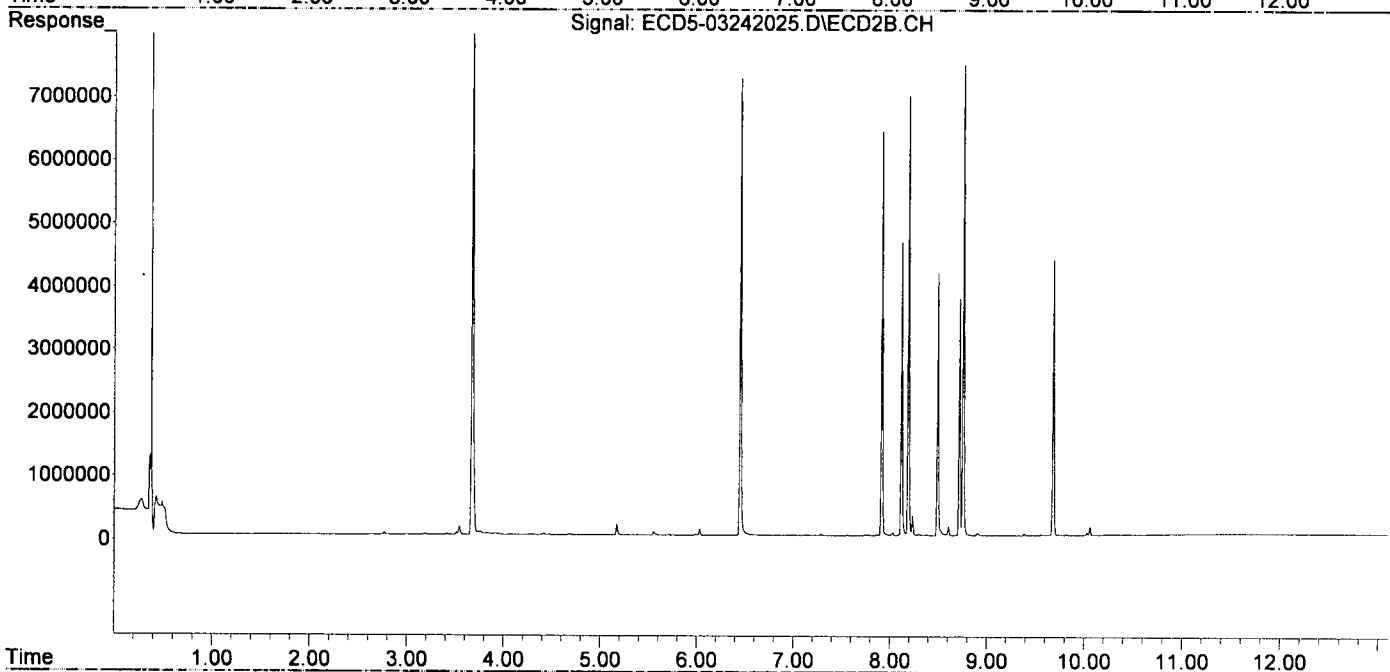
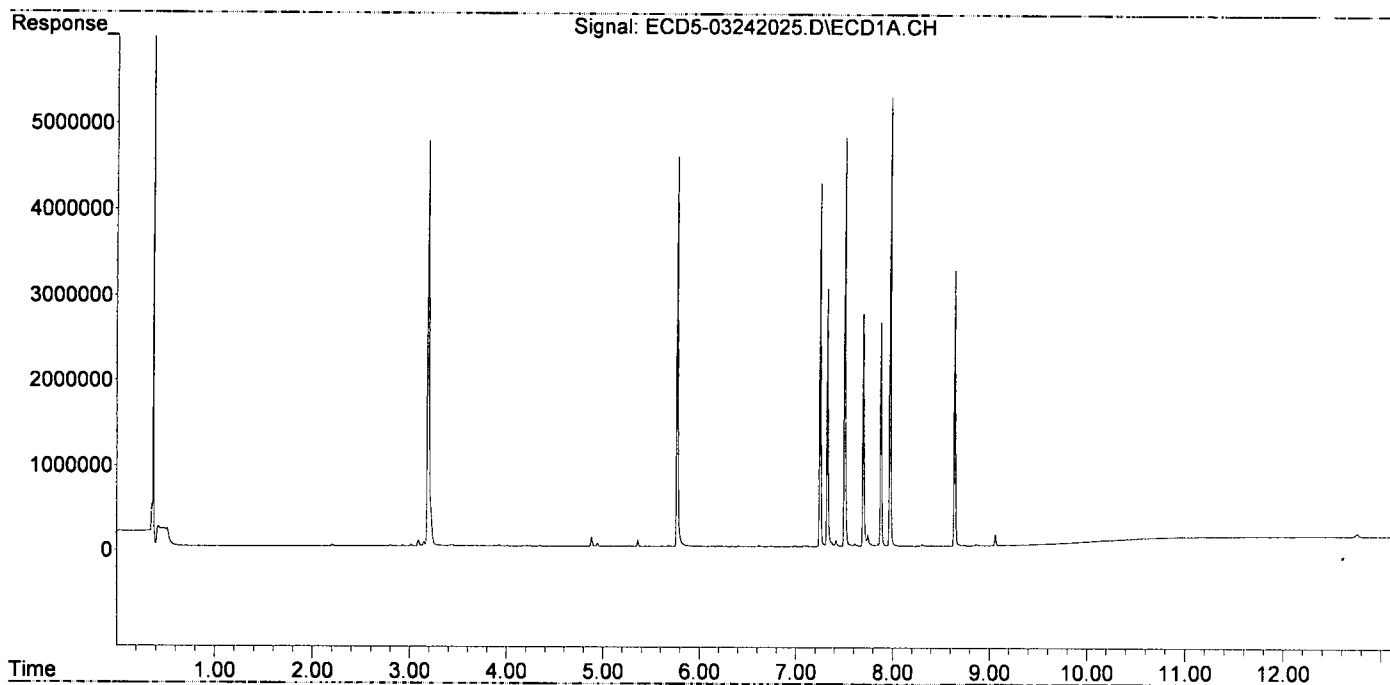
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.192 | 3.674 | 4744416 | 9164447 | 21.353 | 21.059 |
| 24) Hexachlor... | 5.771 | 6.453 | 4553836 | 7208518 | 20.239 | 19.722 |
| 25) Oxychlorthane | 7.252 | 7.920 | 4237766 | 6370353 | 21.159 | 20.733 |
| 26) 2,4'-DDE | 7.327 | 8.124 | 3019471 | 4614869 | 19.795 | 19.605 |
| 27) trans-Non... | 7.508 | 8.195 | 4770432 | 6929319 | 21.297 | 20.363 |
| 28) 2,4'-DDD | 7.700 | 8.498 | 2695196 | 4129897 | 19.670 | 19.769 |
| 29) 2,4'-DDT | 7.882 | 8.722 | 2624036 | 3726920 | 20.292 | 21.322 |
| 30) cis-Nonac... | 7.978 | 8.761 | 5255936 | 7435646 | 20.097 | 19.799 |
| 31) Mirex | 8.645 | 9.686 | 3230934 | 4337194 | 22.587 | 22.109 |
| 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 |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:40
 Operator : MJB
 Sample : 0C24036-CALG
 Misc : A20C358, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:27:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Tue Mar 24 17:40:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

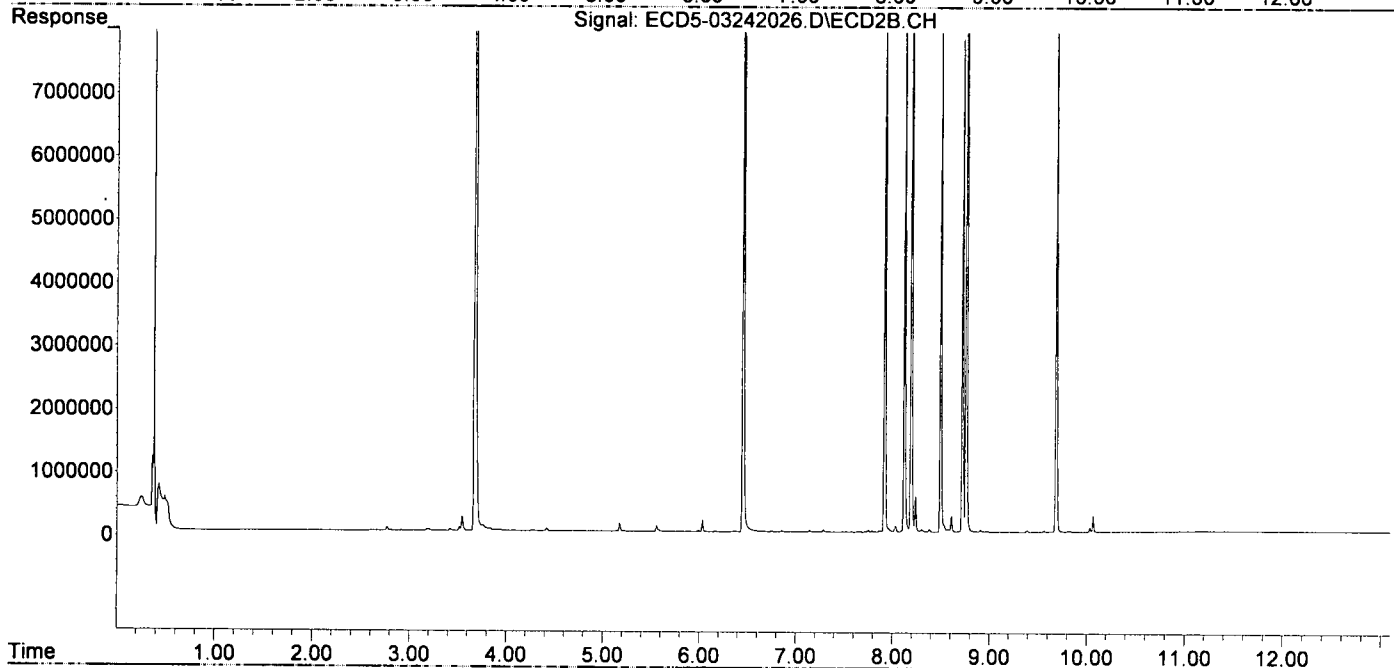
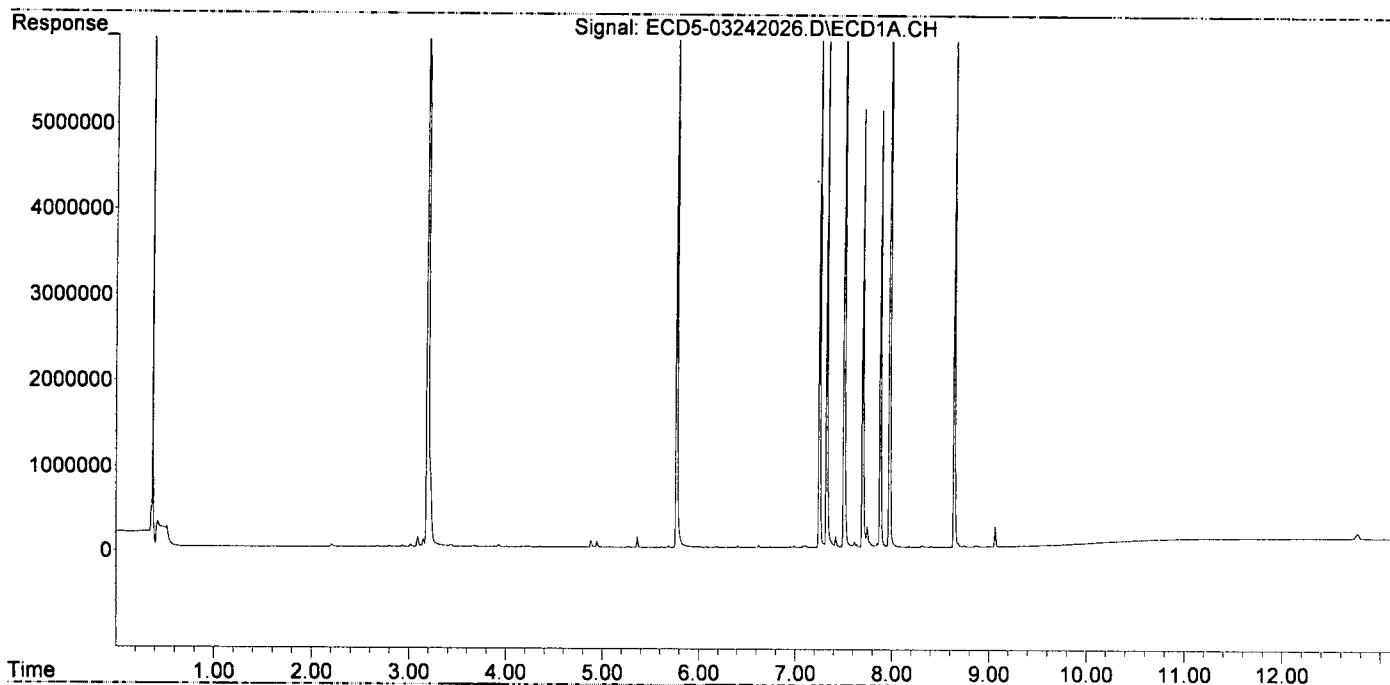
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.192 | 3.674 | 8717391 | 17439815 | 39.235 | 40.075 |
| 24) Hexachlor... | 5.771 | 6.452 | 8762097 | 14203483 | 38.942 | 38.859 |
| 25) Oxychlorthane | 7.251 | 7.920 | 8147960 | 12143579 | 40.682 | 39.522 |
| 26) 2,4'-DDE | 7.327 | 8.124 | 5911849 | 9372906 | 38.756 | 39.819 |
| 27) trans-Non... | 7.507 | 8.194 | 8939479 | 13836076 | 39.910 | 40.660 |
| 28) 2,4'-DDD | 7.700 | 8.497 | 5120535 | 8137483 | 37.371 | 38.952 |
| 29) 2,4'-DDT | 7.882 | 8.722 | 5109282 | 7779036 | 39.512 | 42.282 |
| 30) cis-Nonac... | 7.978 | 8.761 | 9928726 | 14832084 | 39.665 | 39.494 |
| 31) Mirex | 8.645 | 9.687 | 6214207 | 8504353 | 43.454 | 42.678 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:27:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 19:57
 Operator : MJB
 Sample : 0C24036-CALH
 Misc : A20C359, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:31:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

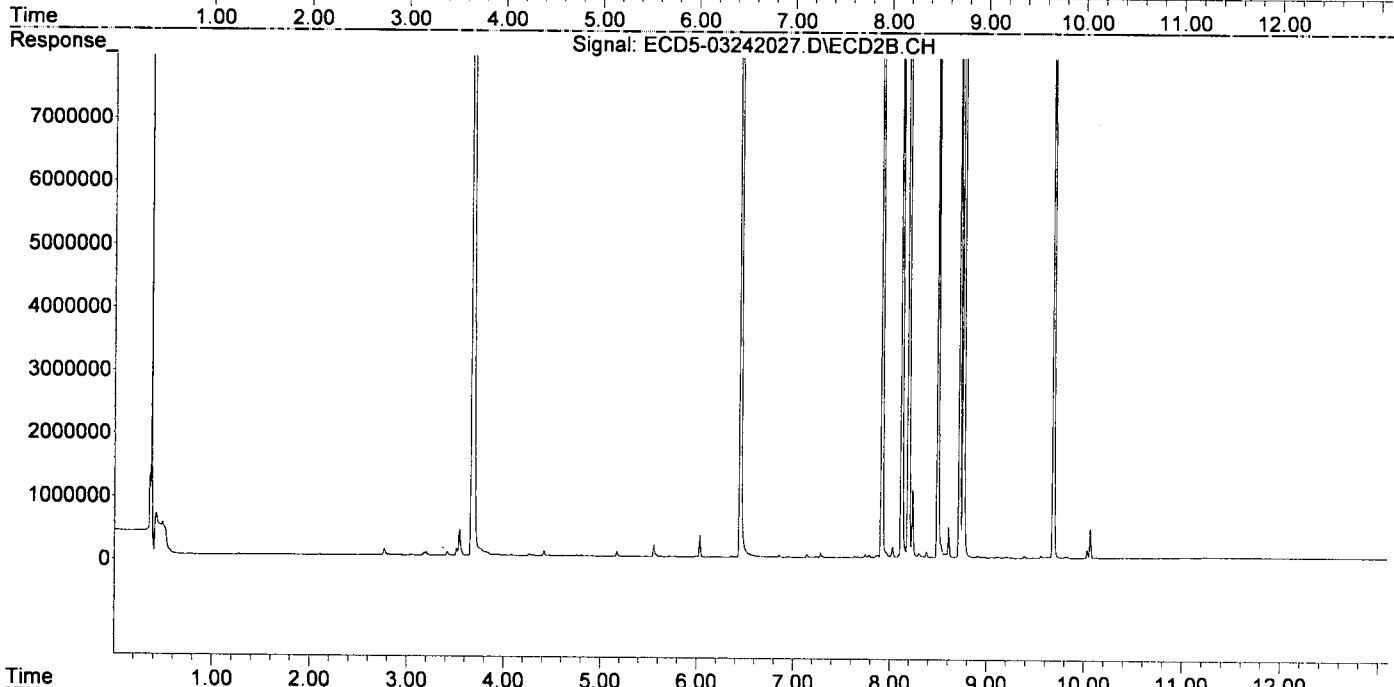
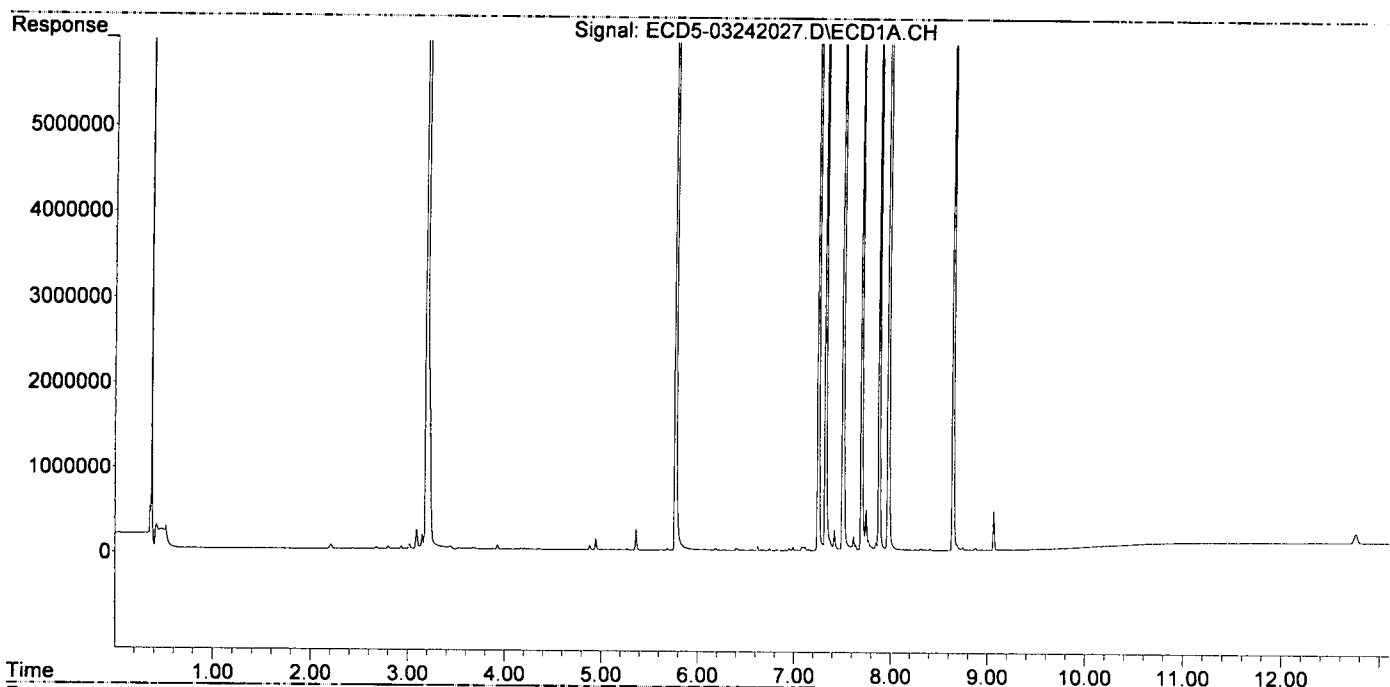
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.192 | 3.675 | 18064617 | 36344688 | 81.304 | 83.516 |
| 24) Hexachlor... | 5.771 | 6.453 | 18187492 | 30307668 | 80.833 | 82.918 |
| 25) Oxychlorthane | 7.251 | 7.920 | 16565674 | 26490641 | 82.712 | 86.216 |
| 26) 2,4'-DDE | 7.325 | 8.124 | 12225211 | 19878326 | 80.145 | 84.449 |
| 27) trans-Non... | 7.506 | 8.194 | 18723508 | 29872500 | 83.590 | 87.787 |
| 28) 2,4'-DDD | 7.698 | 8.497 | 10853795 | 17265269 | 79.214 | 82.645 |
| 29) 2,4'-DDT | 7.881 | 8.722 | 10947370 | 16635506 | 84.659 | 82.573 |
| 30) cis-Nonac... | 7.977 | 8.761 | 20132492 | 32441279 | 80.429 | 86.383 |
| 31) Mirex | 8.644 | 9.685 | 12396853 | 17899644 | 86.117 | 86.518 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 20:14
 Operator : MJB
 Sample : 0C24036-CALI
 Misc : A20C352, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:32:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
3/25/20*

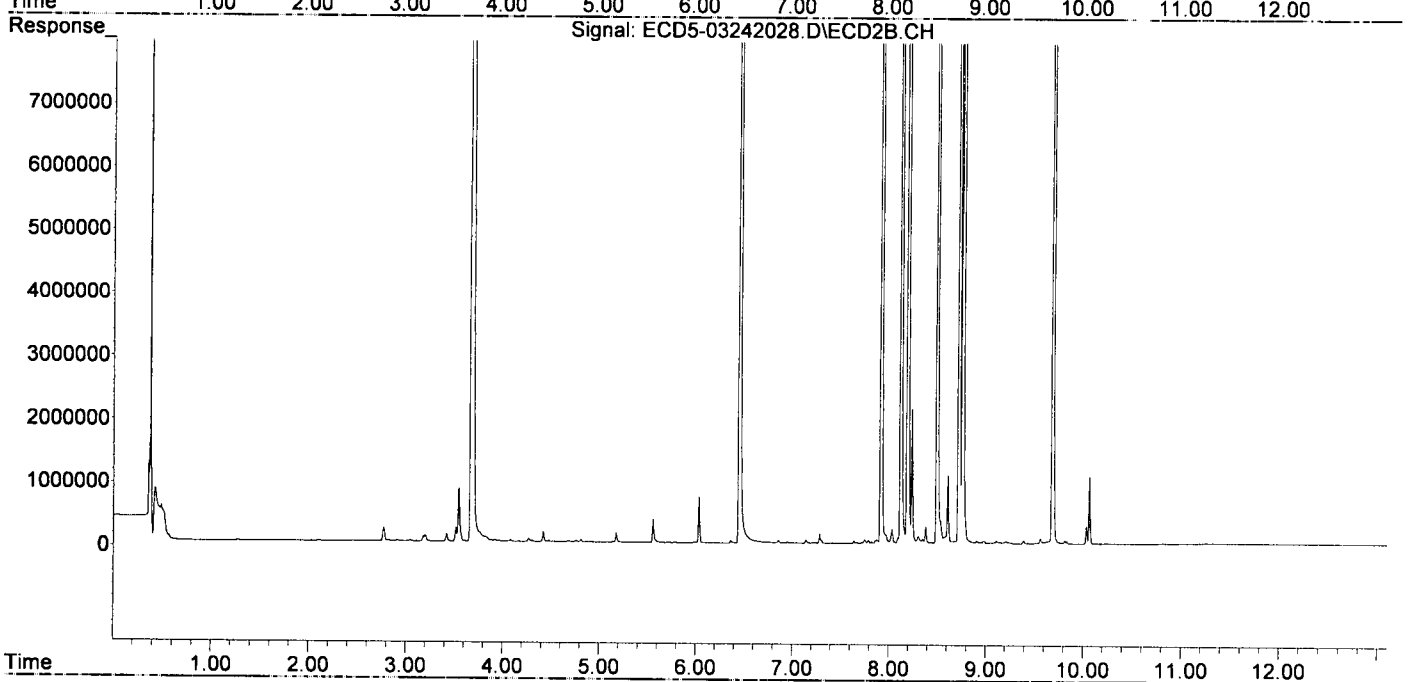
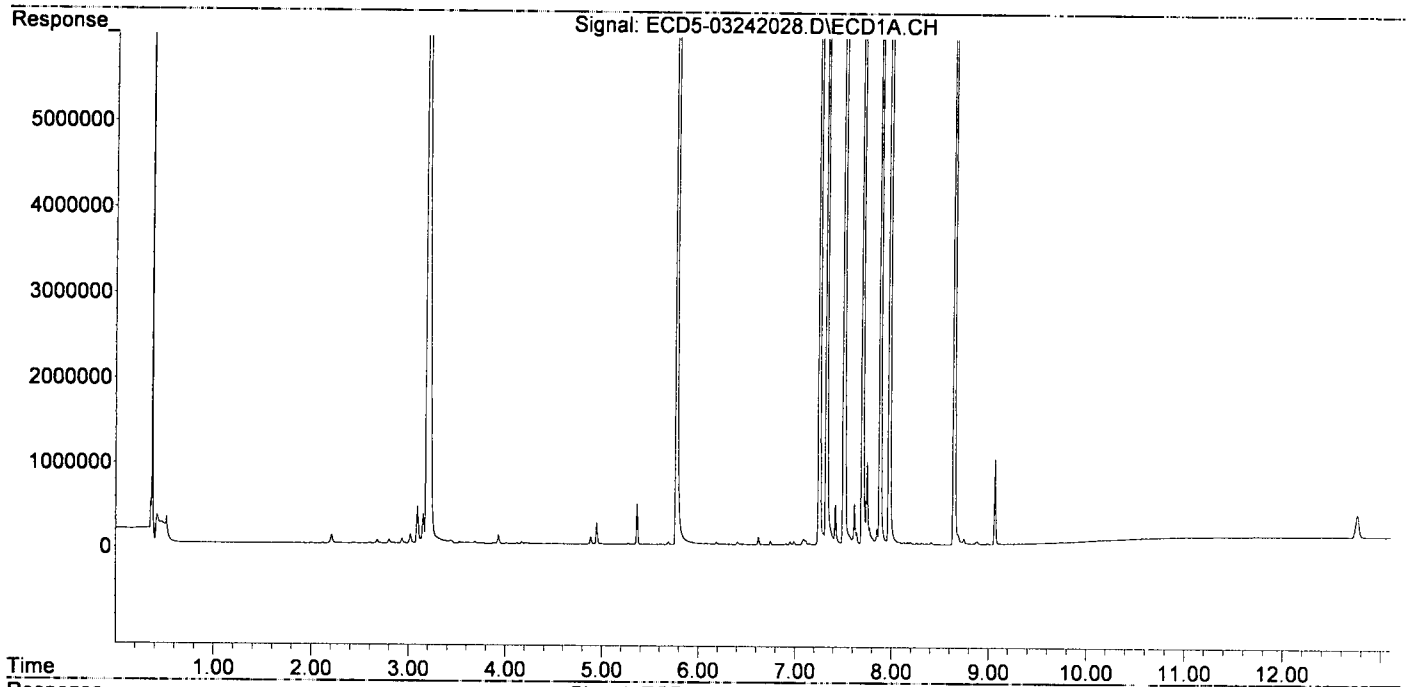
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 3.194 | 3.677 | 38064732 | 79746950 | 171.320 | 183.249 |
| 24) Hexachlor... | 5.773 | 6.456 | 37823227 | 63963904 | 168.102 | 174.998 |
| 25) Oxychlorthane | 7.253 | 7.922 | 34818494 | 58878835 | 173.848 | 191.627 |
| 26) 2,4'-DDE | 7.327 | 8.126 | 26192823 | 44139561 | 171.712 | 187.518 |
| 27) trans-Non... | 7.508 | 8.197 | 39413197 | 65896047 | 175.957 | 193.650 |
| 28) 2,4'-DDD | 7.700 | 8.499 | 22566425 | 38695112 | 164.606 | 185.224 |
| 29) 2,4'-DDT | 7.883 | 8.724 | 24102499 | 39877306 | 186.392 | 167.420 |
| 30) cis-Nonac... | 7.979 | 8.764 | 43205725 | 69542726 | 172.606 | 185.176 |
| 31) Mirex | 8.647 | 9.689 | 26254813 | 39265298 | 179.067 | 176.071 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:32:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:05
 Operator : MJB
 Sample : 0C24036-CALJ
 Misc : A20C400, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:36:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

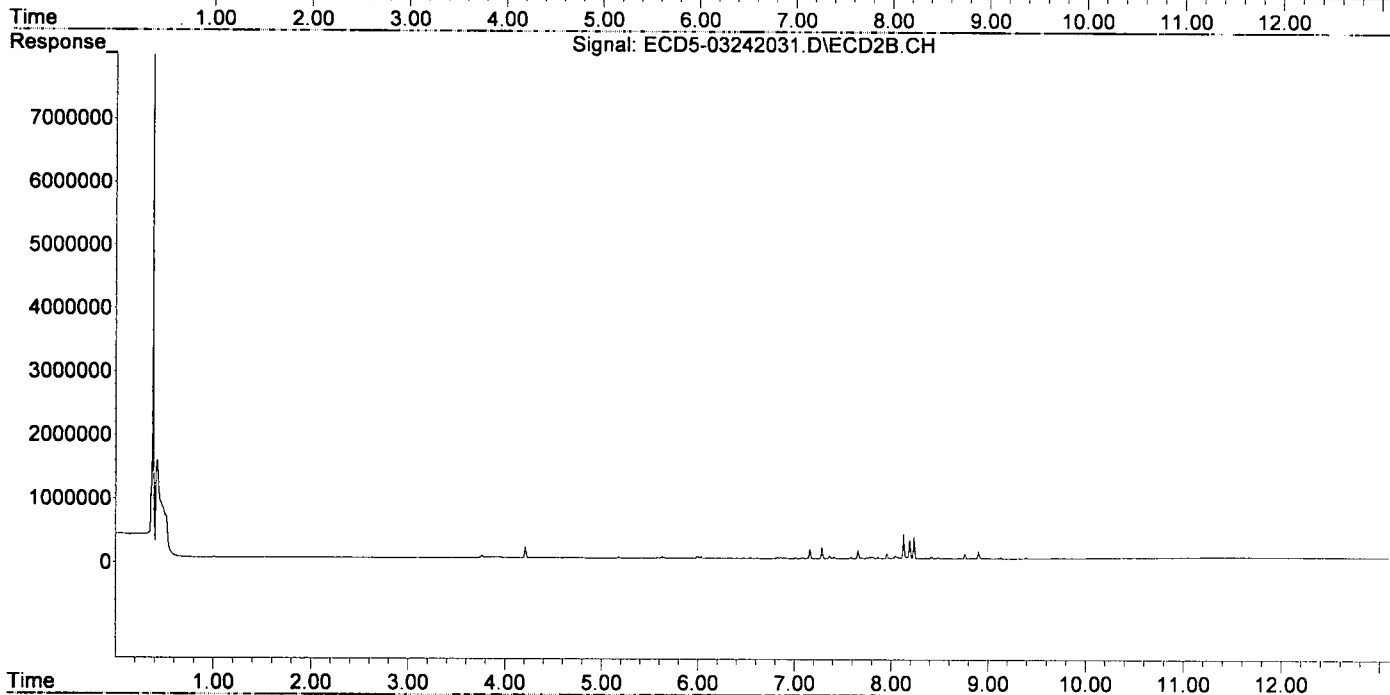
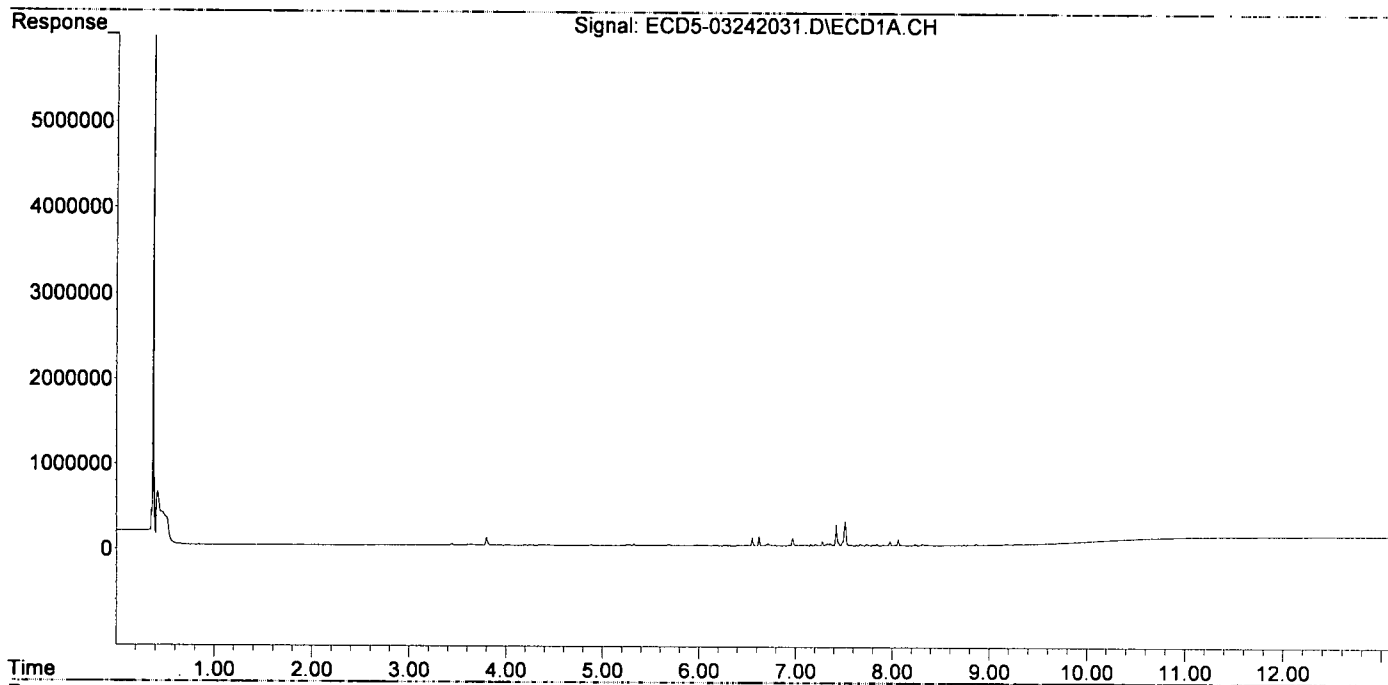
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 7.420 | 8.130 | 246826 | 385659 | 9.948 | 9.087 |
| 33) Chlordane... | 7.513 | 8.238 | 282652 | 341698 | 10.264 | 9.730 |
| 34) Chlordane... | 8.063 | 8.902 | 75022 | 111290 | 10.011 | 10.336 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:22
 Operator : MJB
 Sample : 0C24036-CALK
 Misc : A19K307, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:36:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

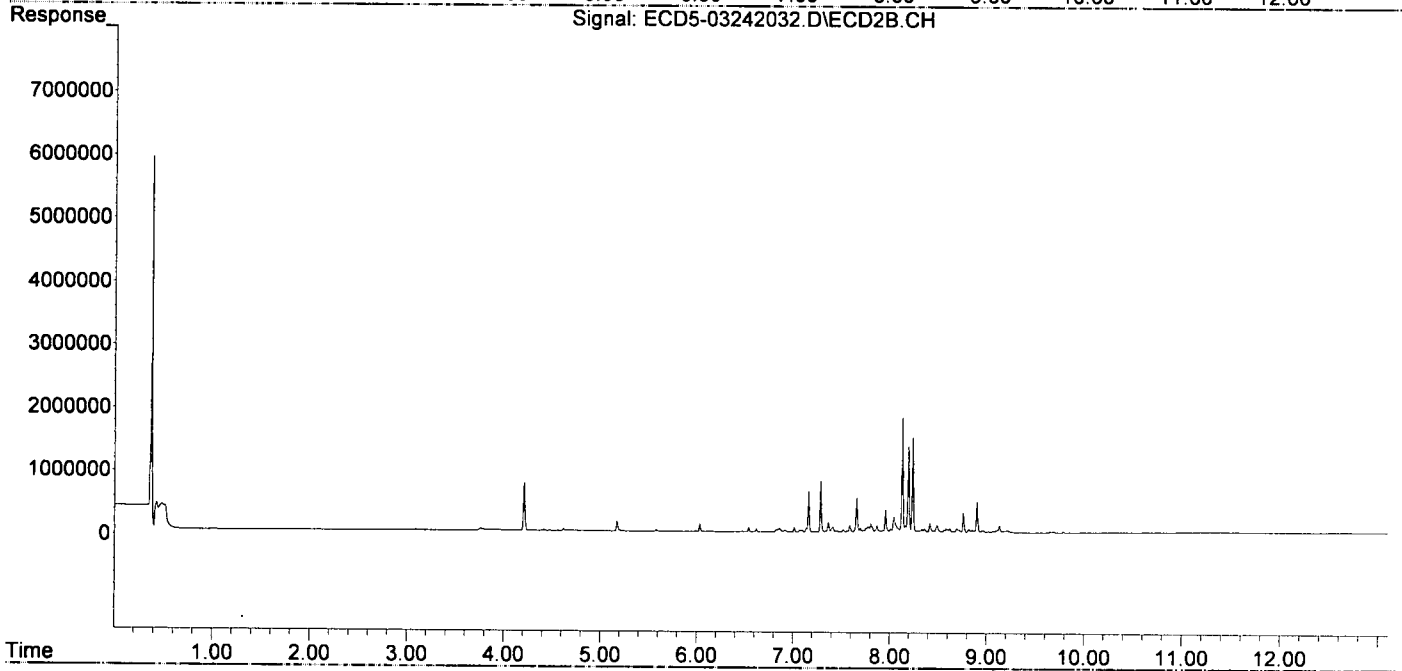
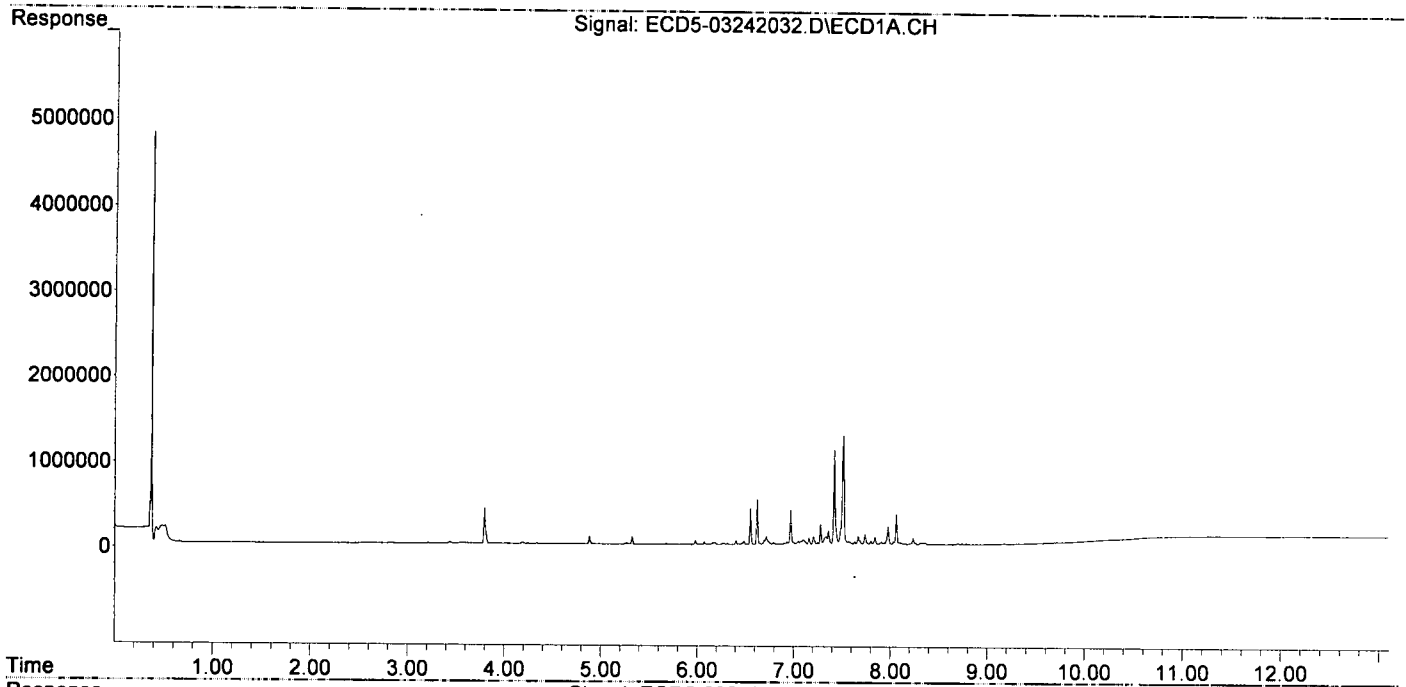
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 7.420 | 8.131 | 1102563 | 1787615 | 44.436 | 42.122 |
| 33) Chlordane... | 7.513 | 8.238 | 1304898 | 1475380 | 47.385 | 42.013 |
| 34) Chlordane... | 8.063 | 8.902 | 352851 | 474158 | 47.085 | 44.039 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:39
 Operator : MJB
 Sample : 0C24036-CALL
 Misc : A19K308, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:37:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
3/25/20*

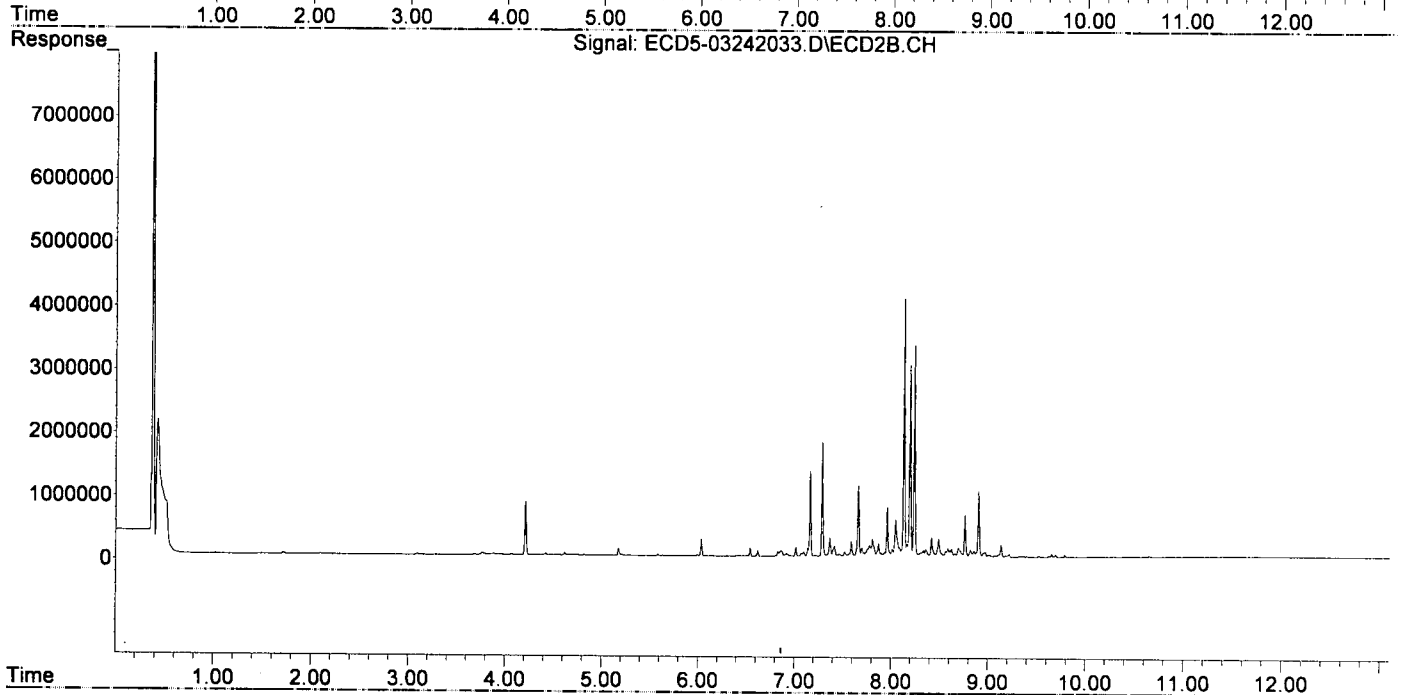
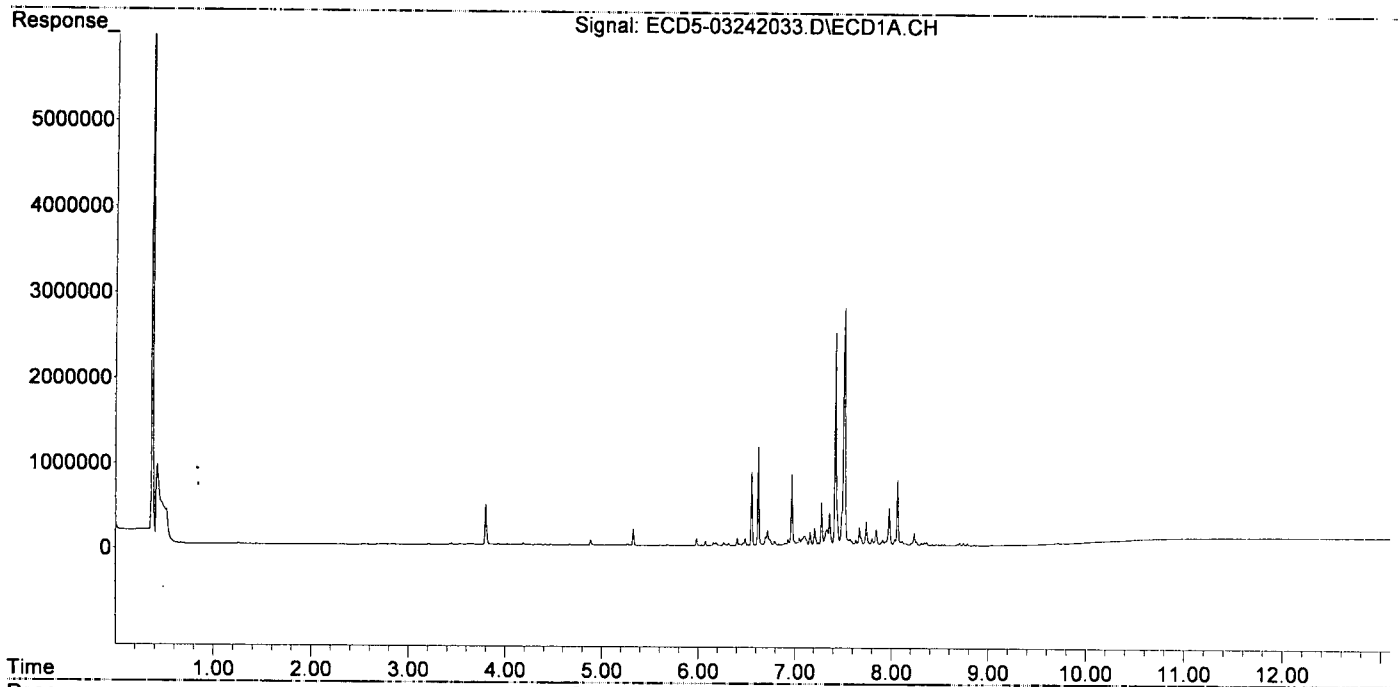
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlordan | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 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... | 7.419 | 8.131 | 2486496 | 4070319 | 100.211 | 95.909 |
| 33) Chlordane... | 7.513 | 8.239 | 2775023 | 3328222 | 100.770 | 94.774 |
| 34) Chlordane... | 8.063 | 8.902 | 770343 | 1039600 | 102.796 | 96.557 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:37:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:56
 Operator : MJB
 Sample : 0C24036-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:37:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

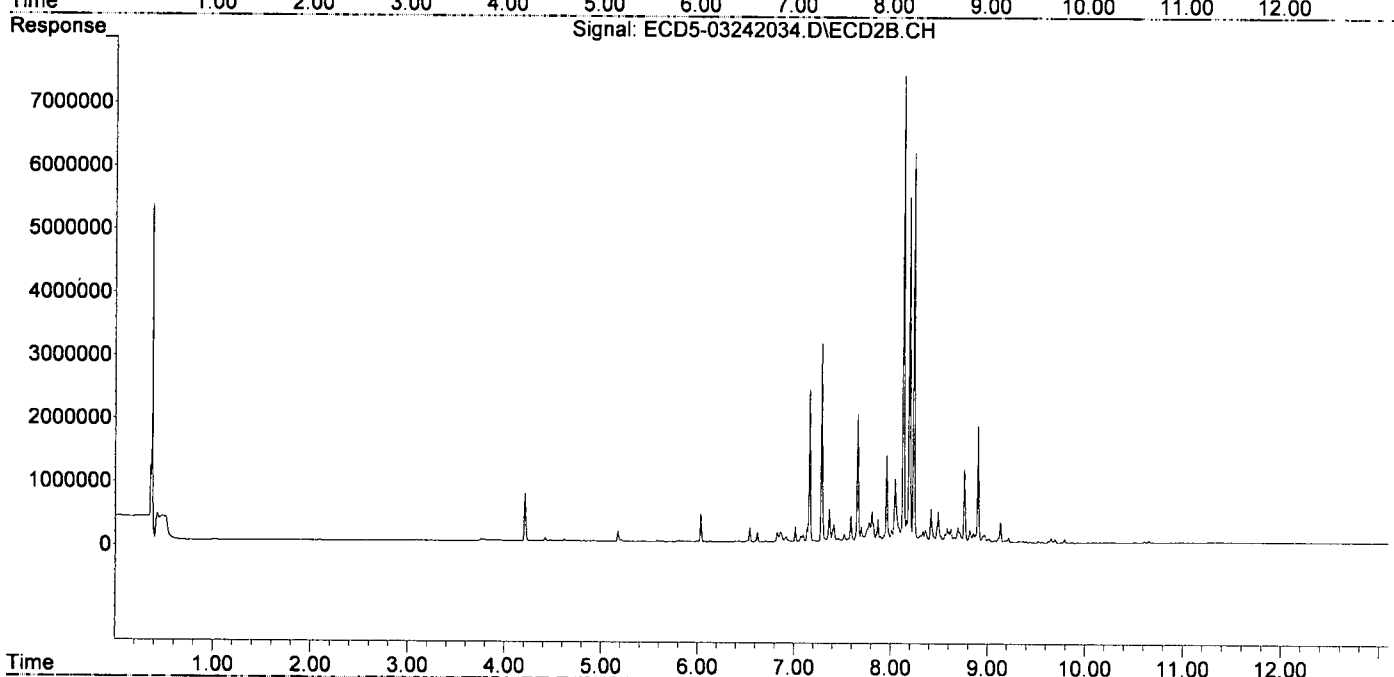
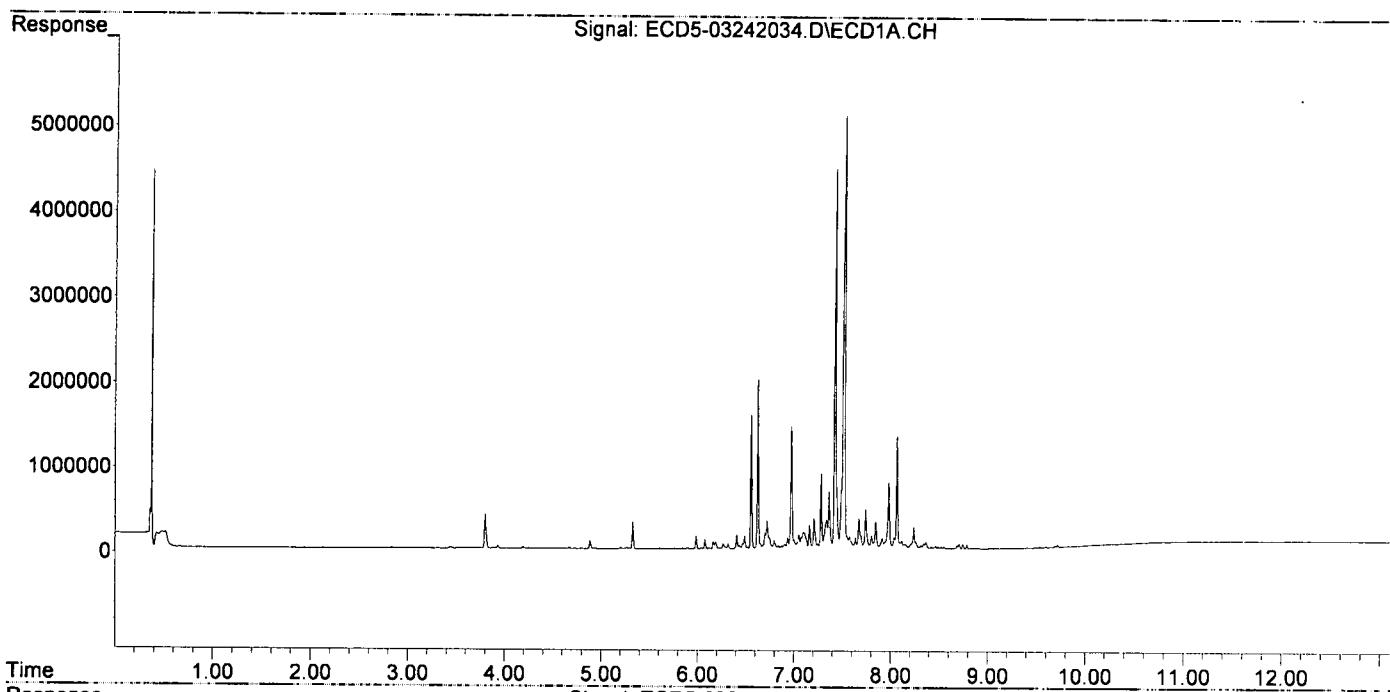
MJP
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 7.421 | 8.132 | 4452138 | 7358273 | 179.431 | 173.384 |
| 33) Chlordane... | 7.514 | 8.241 | 5100975 | 6135095 | 185.233 | 174.702 |
| 34) Chlordane... | 8.065 | 8.904 | 1329346 | 1823031 | 177.391 | 169.321 |
| 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 |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 21:56
 Operator : MJB
 Sample : 0C24036-CALM
 Misc : A19K309, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:37:49 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:14
 Operator : MJB
 Sample : 0C24036-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:35:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

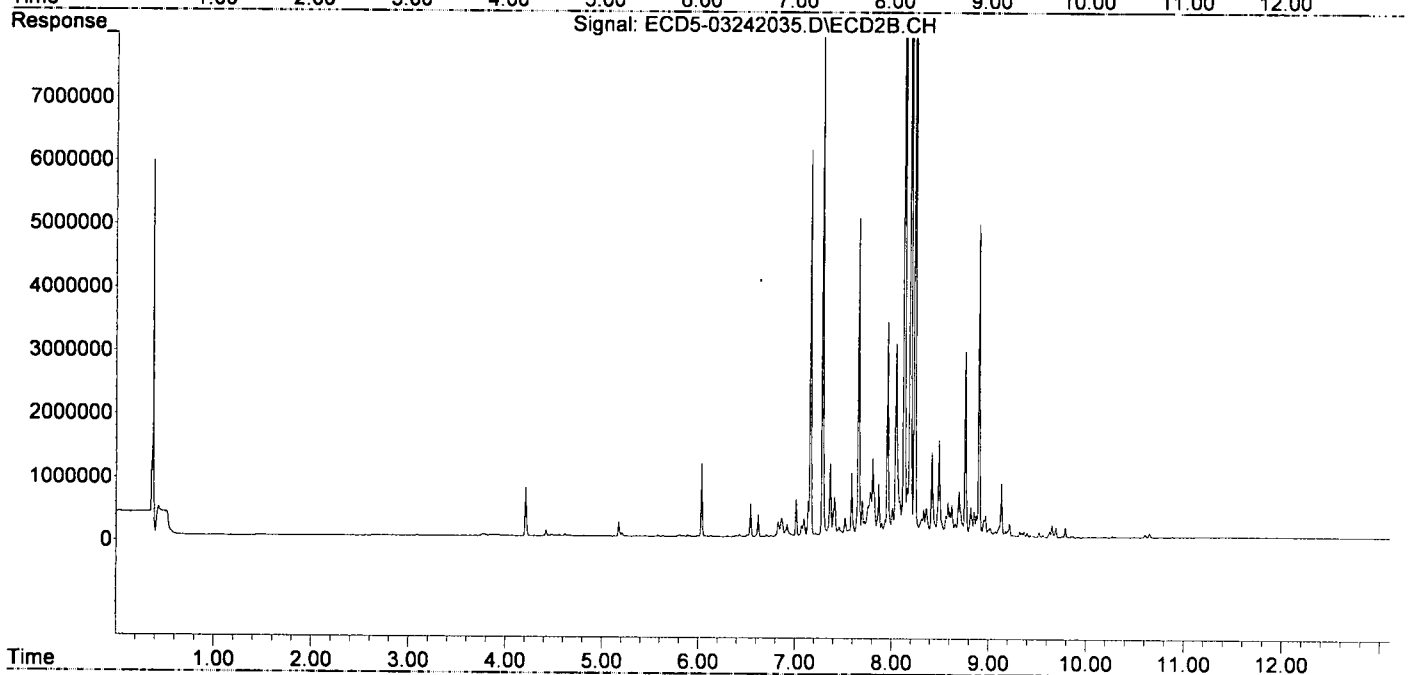
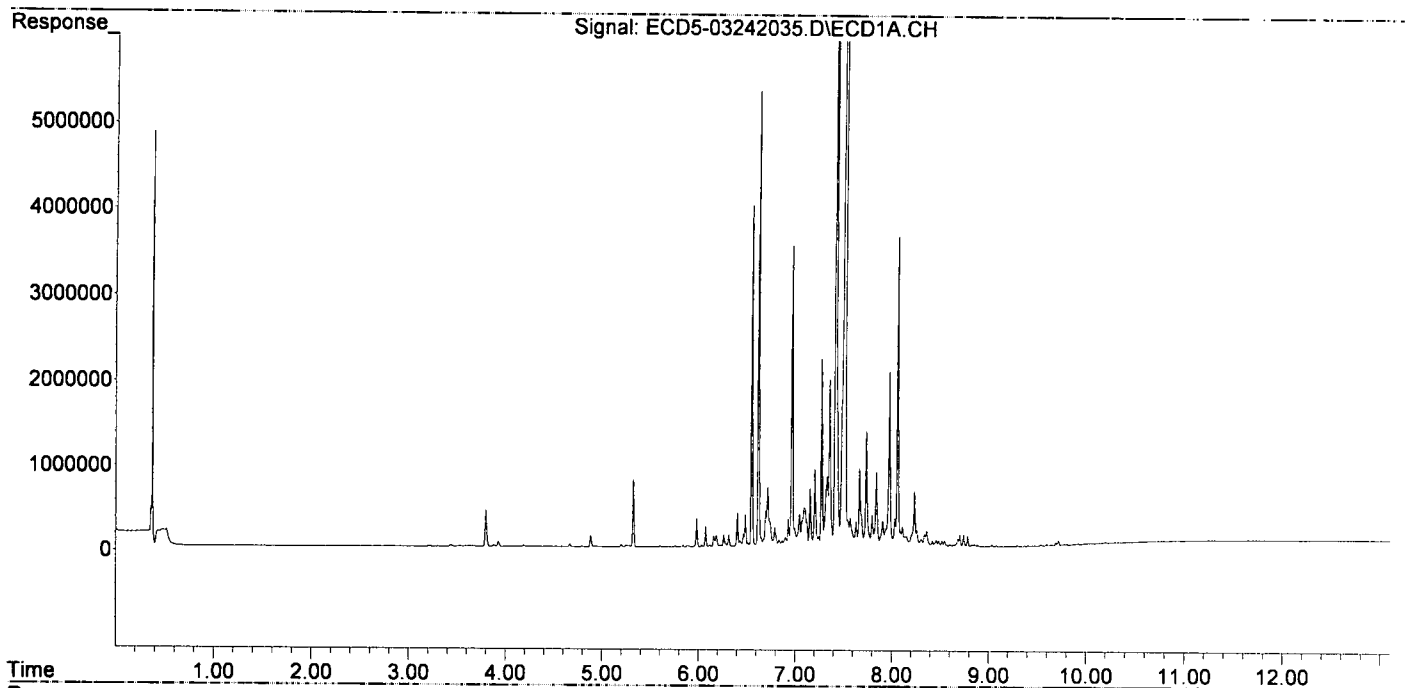
MJB
3/25/20

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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 |
| 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... | 7.419 | 8.131 | 11350035 | 19167147 | 457.431 | 451.638 |
| 33) Chlordane... | 7.513 | 8.239 | 12743783 | 16083461 | 462.768 | 457.990 |
| 34) Chlordane... | 8.063 | 8.902 | 3611630 | 4941415 | 481.943 | 458.953 |
| 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 |

Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:14
 Operator : MJB
 Sample : 0C24036-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:35:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:27:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:31
 Operator : MJB
 Sample : 0C24036-CALO
 Misc : A19K311, CHLOR 1000 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:38:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*MJB
3/25/20*

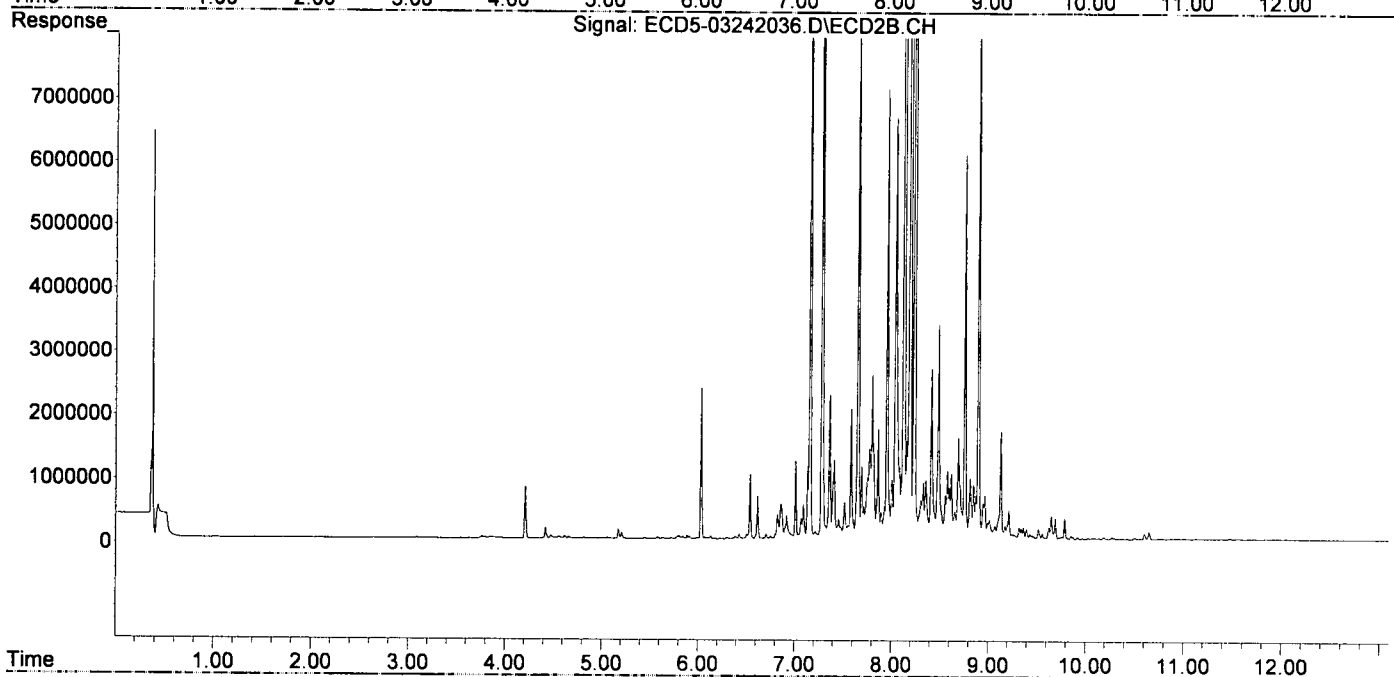
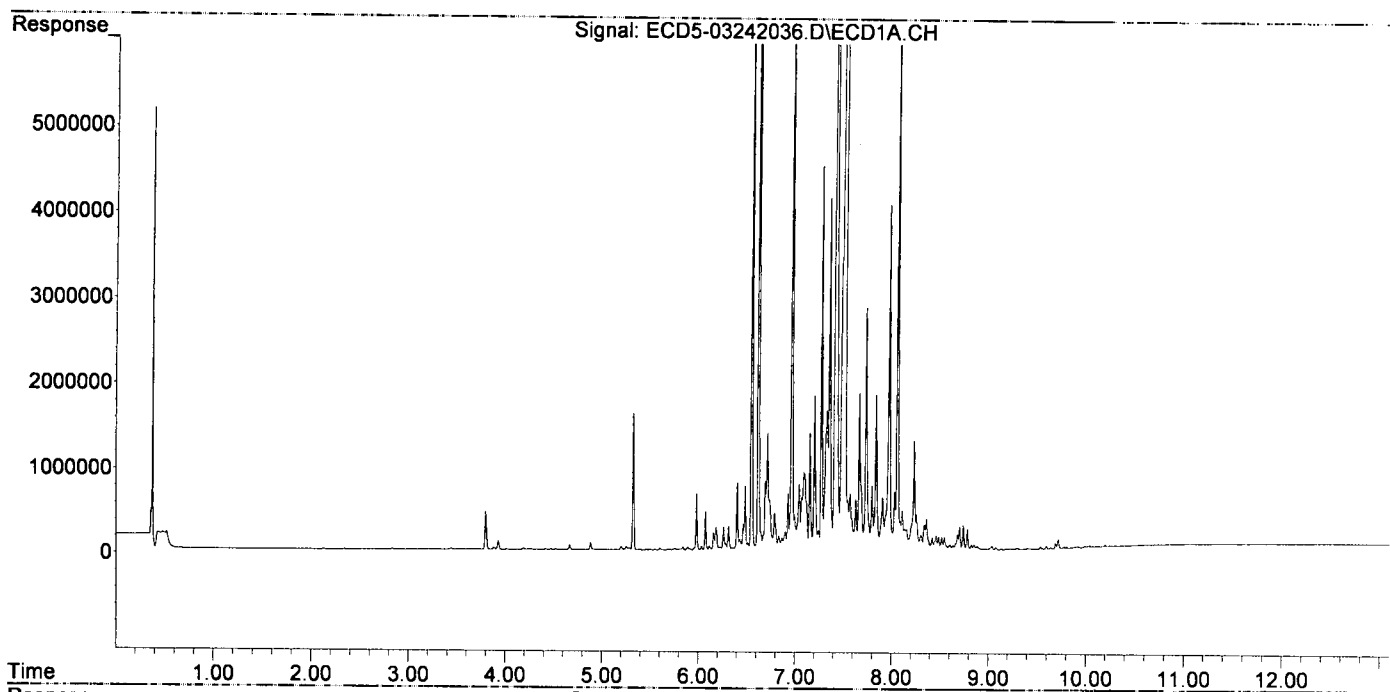
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 7.419 | 8.132 | 23335625 | 41978790 | 940.476 | 989.152 |
| 33) Chlordane... | 7.512 | 8.239 | 26067771 | 33852266 | 946.604 | 963.972 |
| 34) Chlordane... | 8.063 | 8.902 | 7301807 | 10417487 | 974.368 | 967.565 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 22:48
 Operator : MJB
 Sample : 0C24036-CALP
 Misc : A19K306, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:38:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

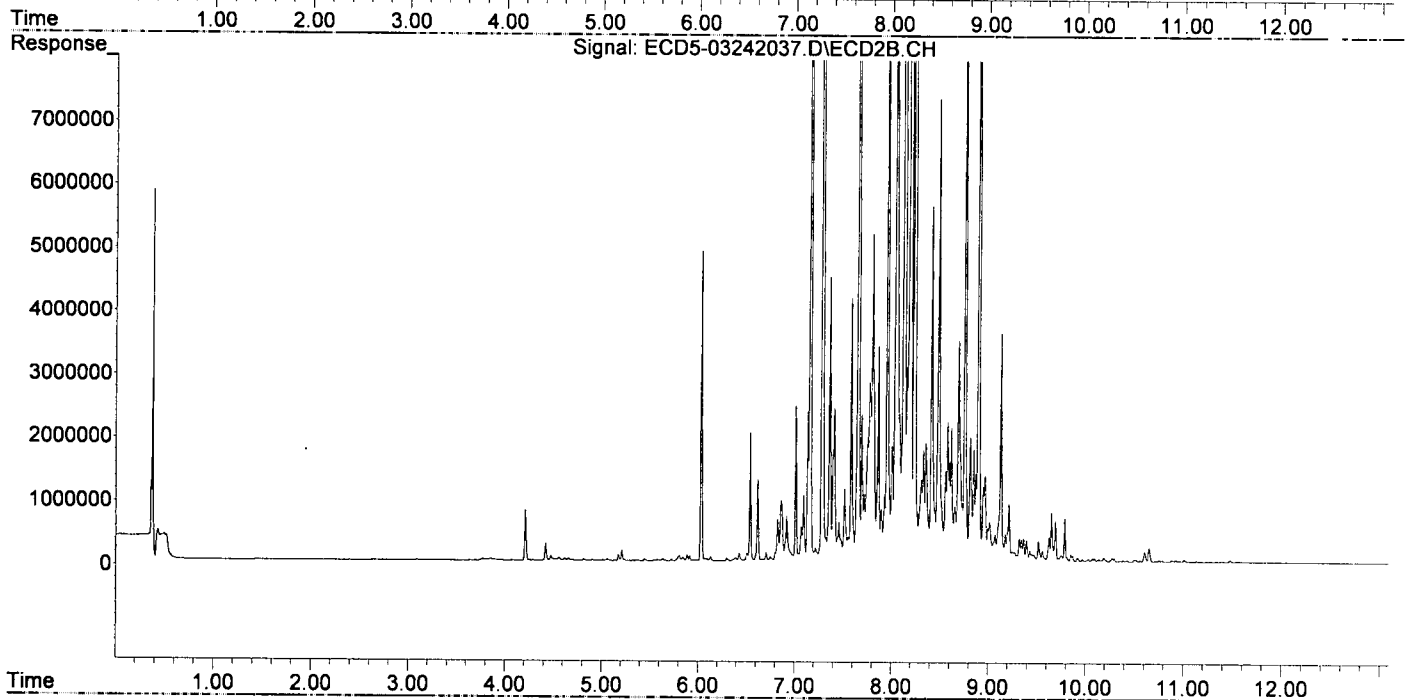
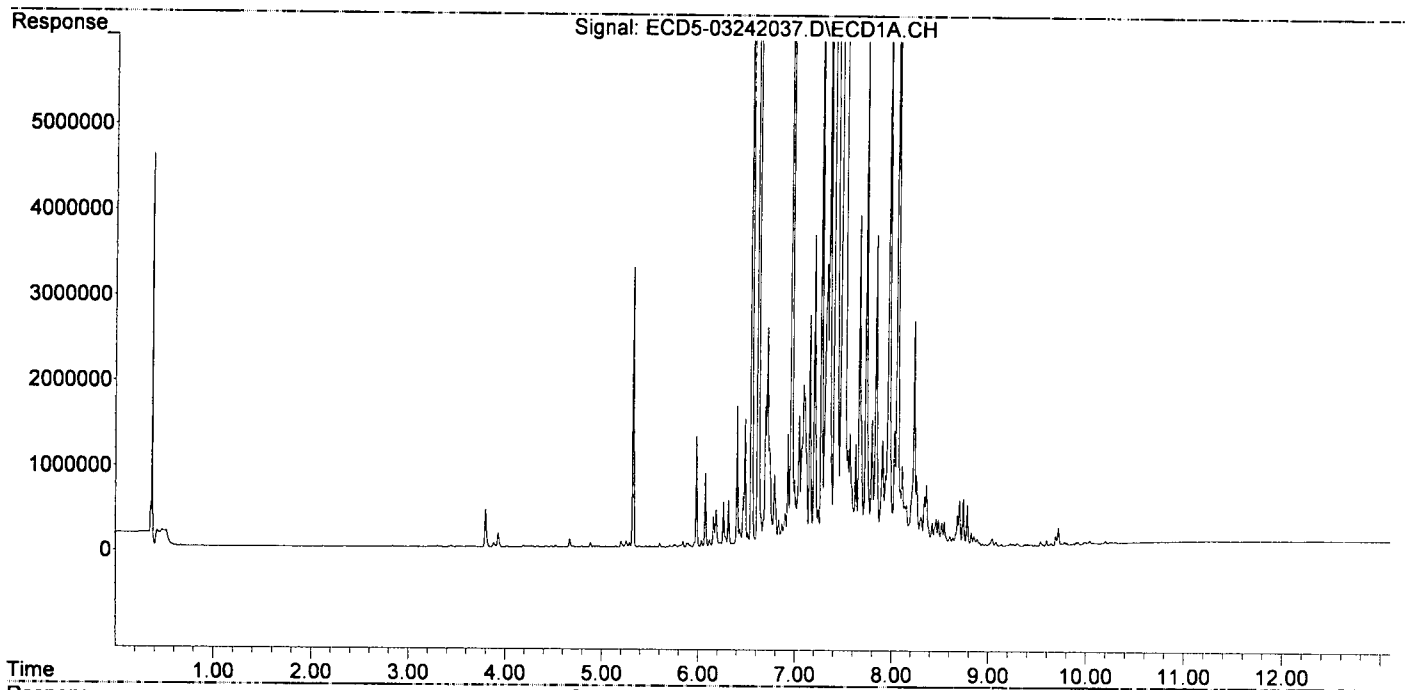
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|----------|----------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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 |
| 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 | 8.132 | 46999488 | 87406745 | 1894.180 | 2059.577 |
| 33) Chlordane... | 7.513 | 8.239 | 53385654 | 71173749 | 1938.605 | 2026.732 |
| 34) Chlordane... | 8.062 | 8.901 | 14906306 | 22418158 | 1989.128 | 2082.175 |
| 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 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:39
 Operator : MJB
 Sample : 0C24036-CALQ
 Misc : A20B334, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

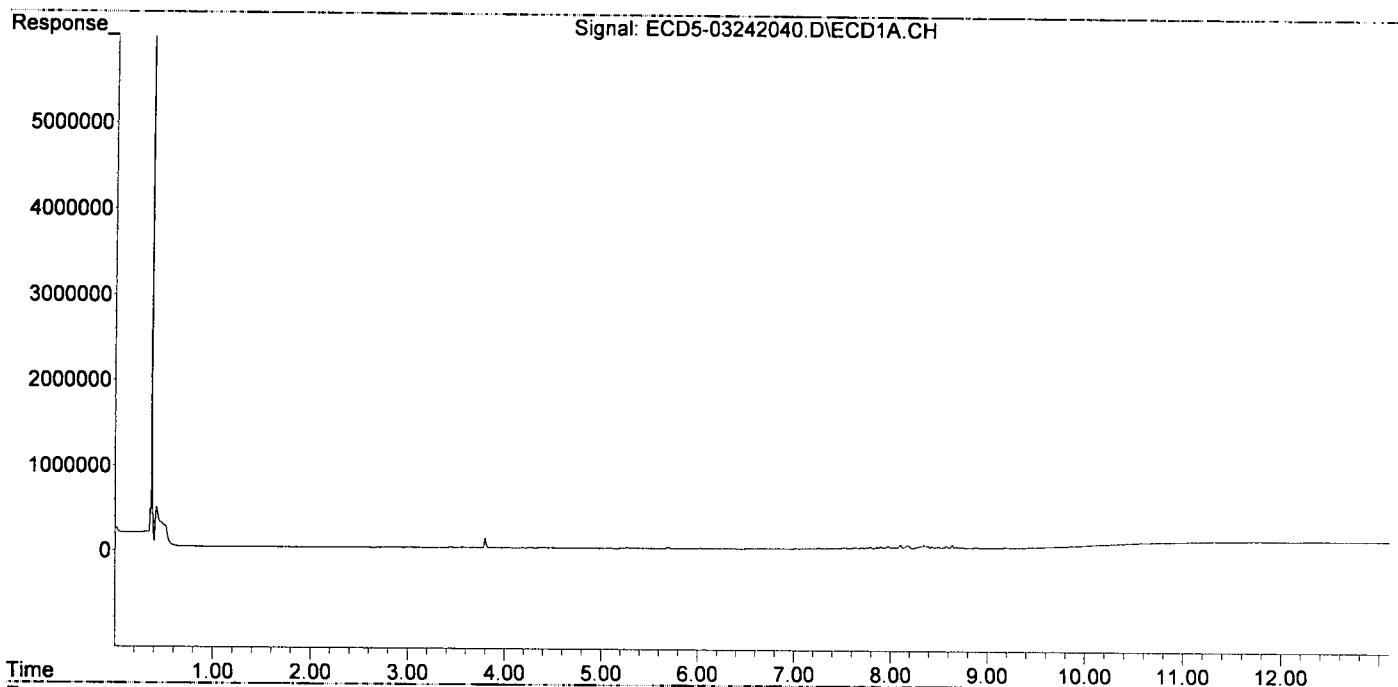
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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 |
| 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... | 7.499 | 8.471 | 11225 | 31297 | 10.585 | 11.068 |
| 37) Toxaphene... | 7.791 | 8.817 | 23053 | 38990 | 11.705 | 11.239 |
| 38) Toxaphene... | 8.103 | 8.853 | 47213 | 64506 | 11.747 | 11.235 |
| 39) Toxaphene... | 8.343 | 8.920 | 47569 | 116261 | 12.175 | 12.572 |
| 40) Toxaphene... | 8.571 | 9.097 | 32950 | 54945 | 10.922 | 10.833 |
| 41) Toxaphene... | 8.639 | 9.478 | 45333 | 60756 | 11.495 | 11.375 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Mar 2020 23:56
 Operator : MJB
 Sample : 0C24036-CALR
 Misc : A19J417, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:42:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

*WP
3/25/20*

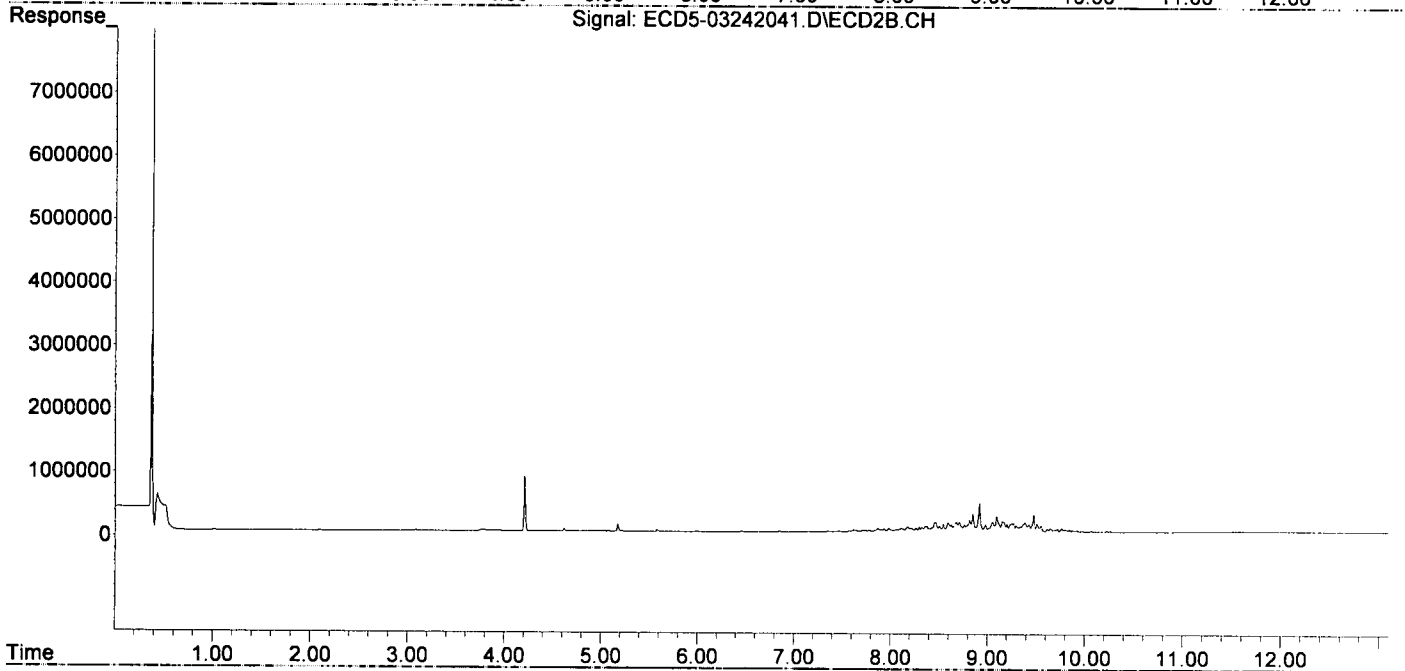
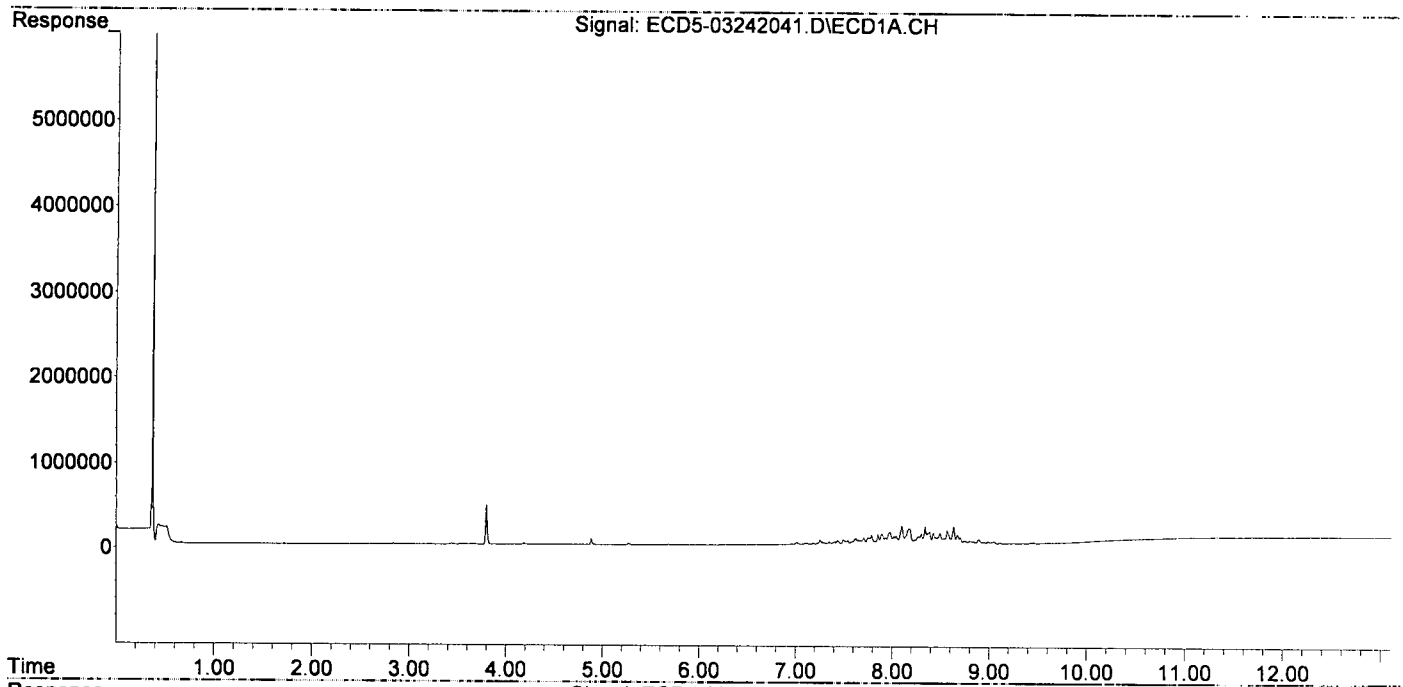
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|--------|--------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 7.496 | 8.468 | 59017 | 156382 | 55.654 | 55.306 |
| 37) Toxaphene... | 7.789 | 8.816 | 106574 | 191843 | 54.110 | 55.299 |
| 38) Toxaphene... | 8.101 | 8.851 | 220625 | 293570 | 54.895 | 51.130 |
| 39) Toxaphene... | 8.341 | 8.918 | 205964 | 456067 | 52.714 | 49.316 |
| 40) Toxaphene... | 8.569 | 9.095 | 160219 | 253621 | 53.110 | 50.002 |
| 41) Toxaphene... | 8.636 | 9.476 | 207412 | 273442 | 52.593 | 51.193 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:13
 Operator : MJB
 Sample : 0C24036-CALS
 Misc : A19J418, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:42:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

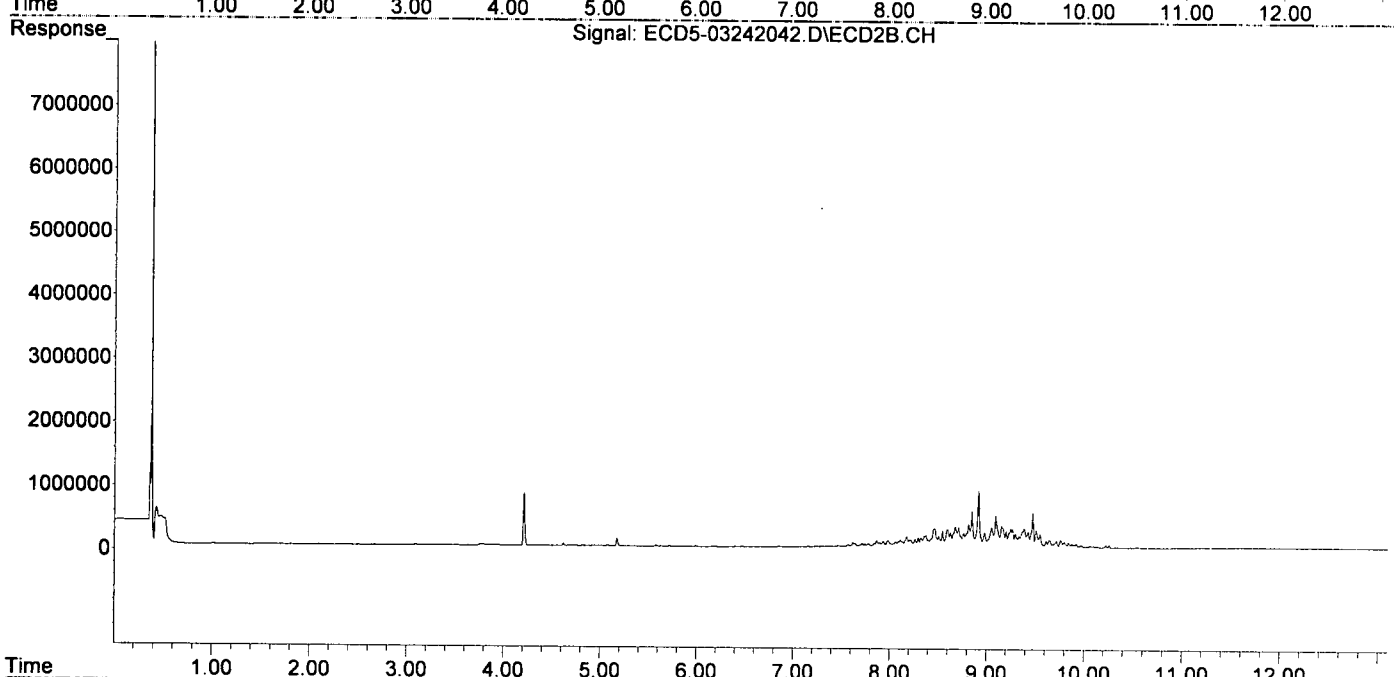
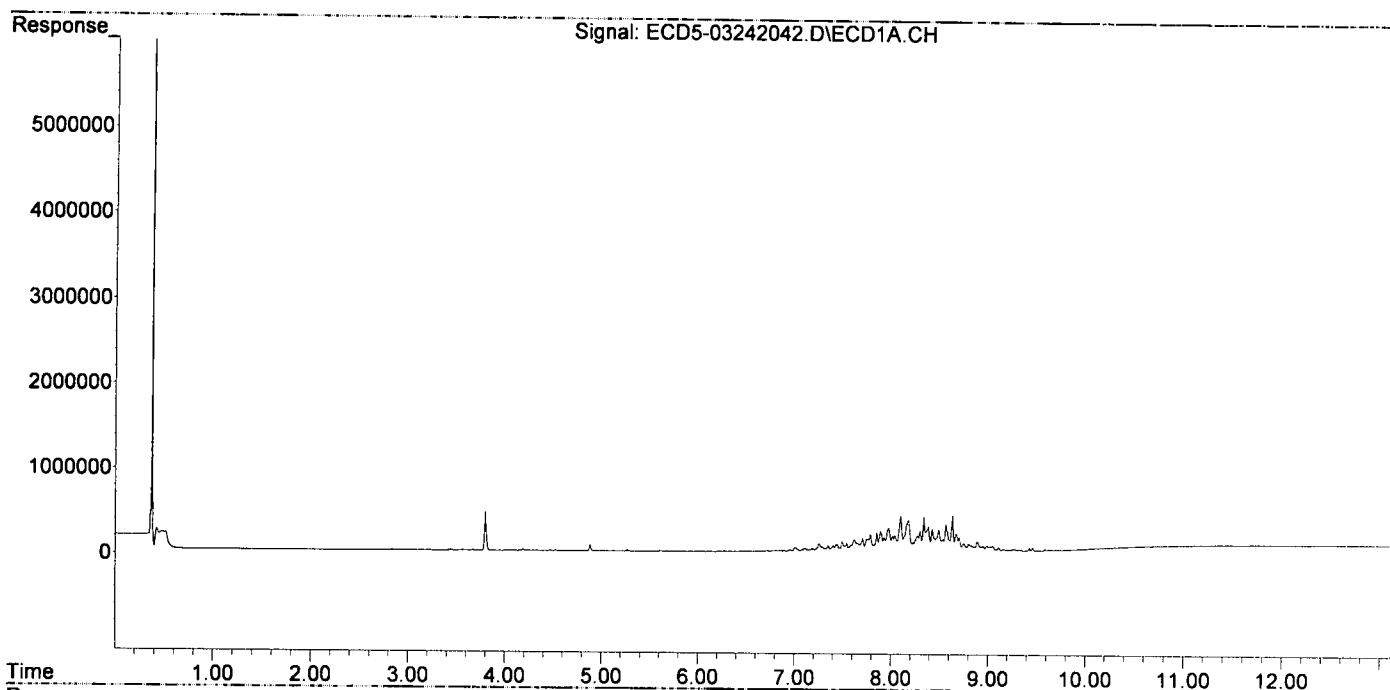
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|--------|--------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlordane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 7.495 | 8.467 | 111060 | 287265 | 104.732 | 101.594 |
| 37) Toxaphene... | 7.788 | 8.815 | 197990 | 355195 | 100.523 | 102.386 |
| 38) Toxaphene... | 8.100 | 8.851 | 412345 | 562449 | 102.598 | 97.960 |
| 39) Toxaphene... | 8.341 | 8.918 | 391751 | 879719 | 100.264 | 95.127 |
| 40) Toxaphene... | 8.569 | 9.095 | 313162 | 488364 | 103.808 | 96.283 |
| 41) Toxaphene... | 8.636 | 9.475 | 412942 | 529637 | 104.709 | 99.157 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:31
 Operator : MJB
 Sample : 0C24036-CALT
 Misc : A19J419, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:43:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
 3/25/20

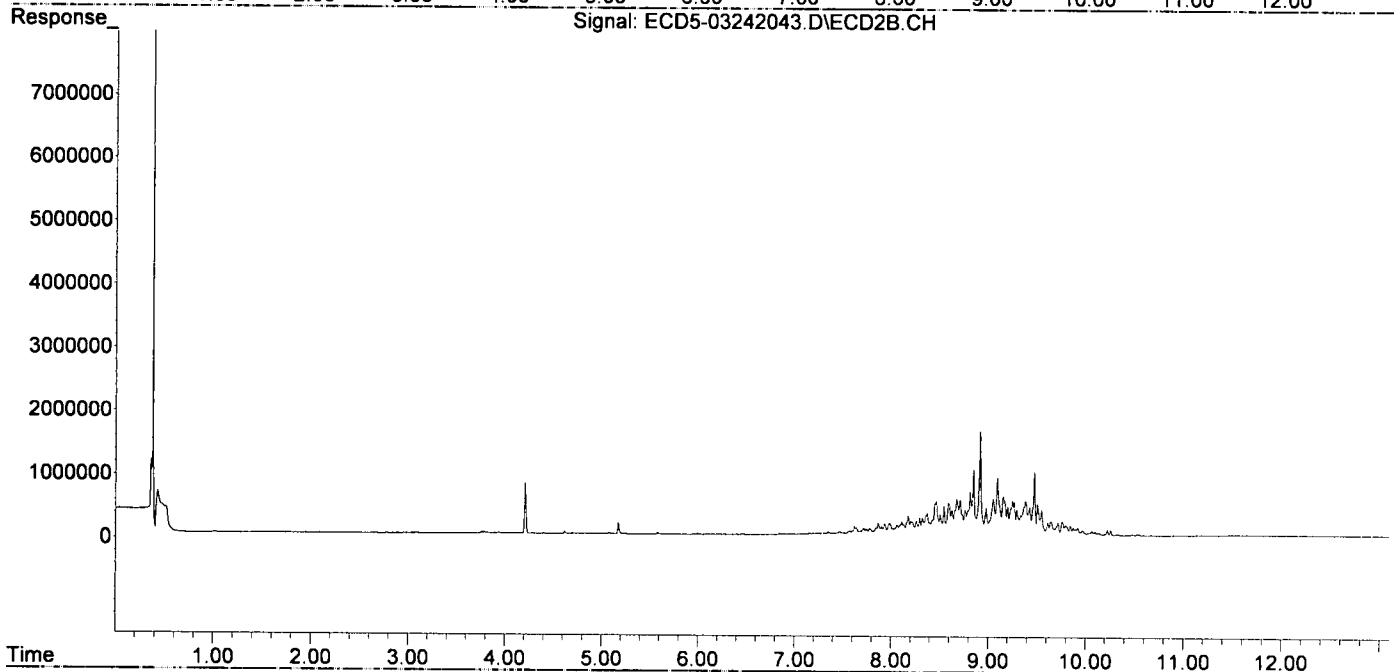
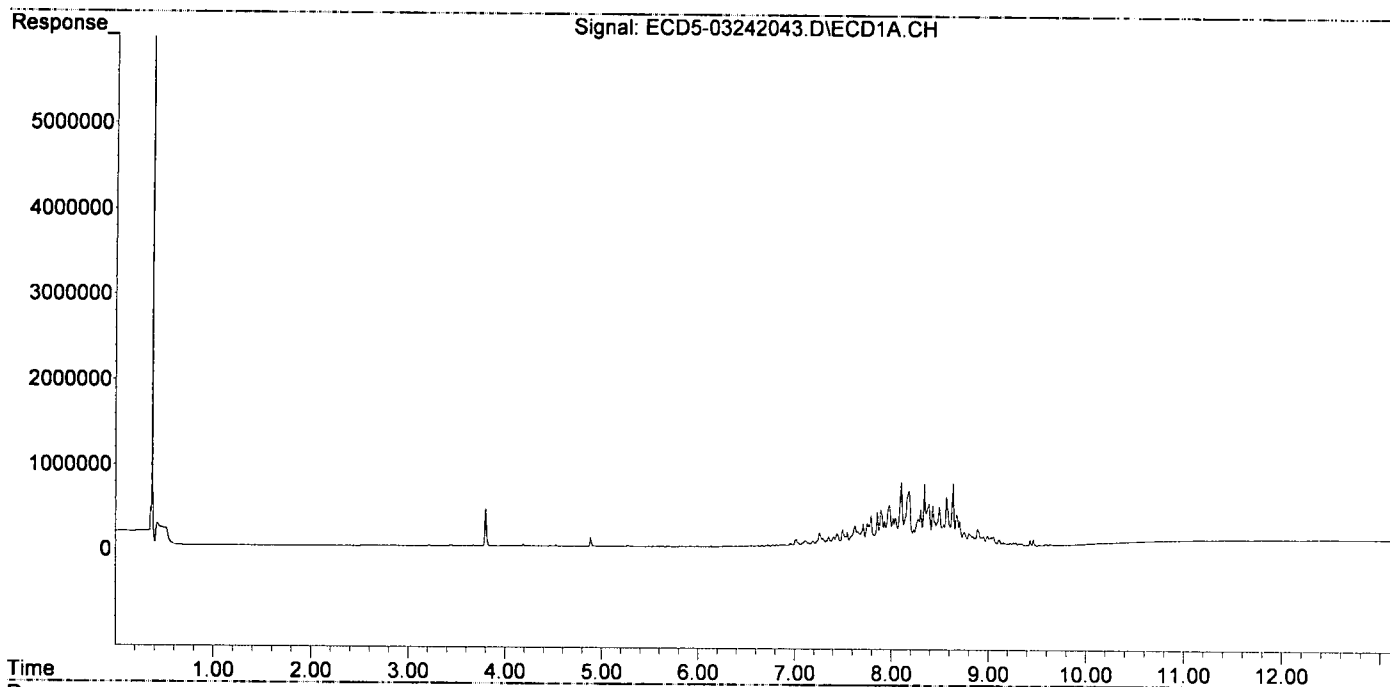
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|-------|--------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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 |
| 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... | 7.495 | 8.467 | 198022 | 532496 | 186.739 | 188.322 |
| 37) Toxaphene... | 7.788 | 8.815 | 356203 | 676906 | 180.851 | 195.120 |
| 38) Toxaphene... | 8.100 | 8.850 | 754269 | 1026403 | 187.674 | 178.765 |
| 39) Toxaphene... | 8.341 | 8.918 | 729429 | 1629969 | 186.688 | 176.253 |
| 40) Toxaphene... | 8.569 | 9.095 | 576091 | 904494 | 190.965 | 178.325 |
| 41) Toxaphene... | 8.636 | 9.475 | 741229 | 998411 | 187.951 | 186.919 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 0:48
 Operator : MJB
 Sample : 0C24036-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:40:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:35:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

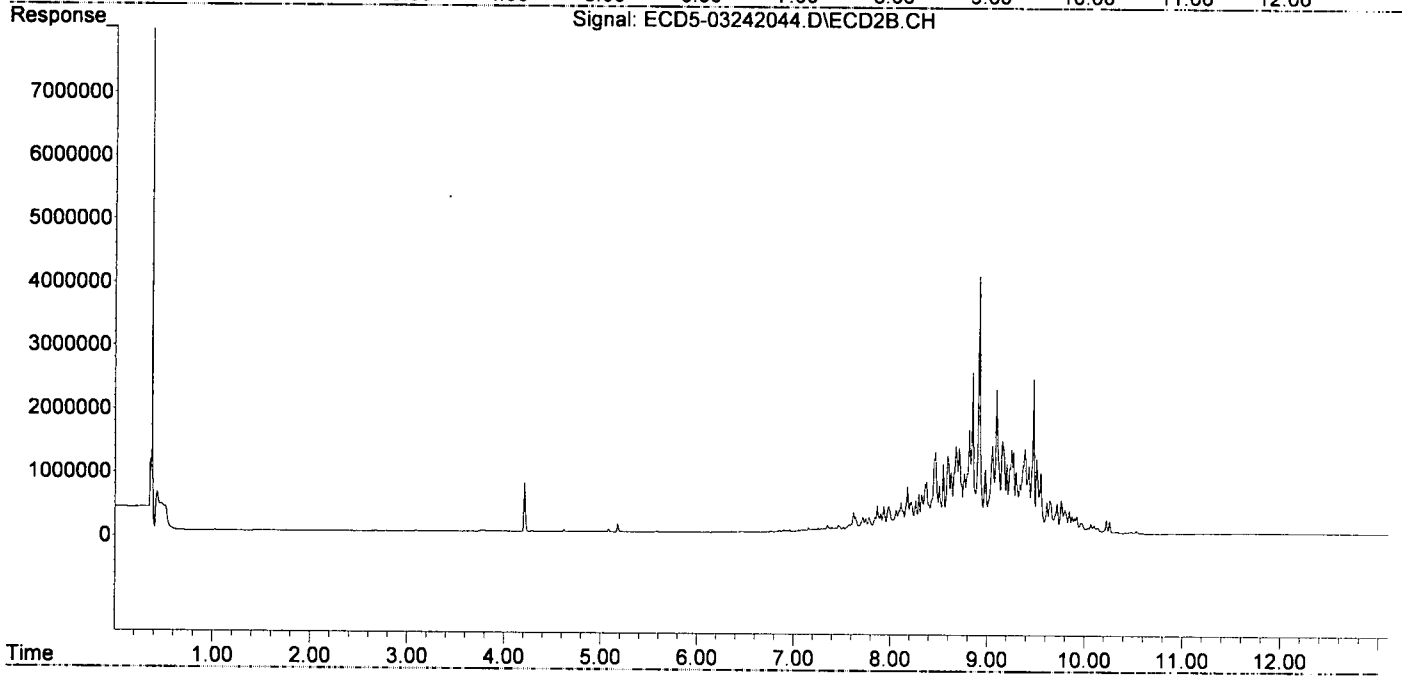
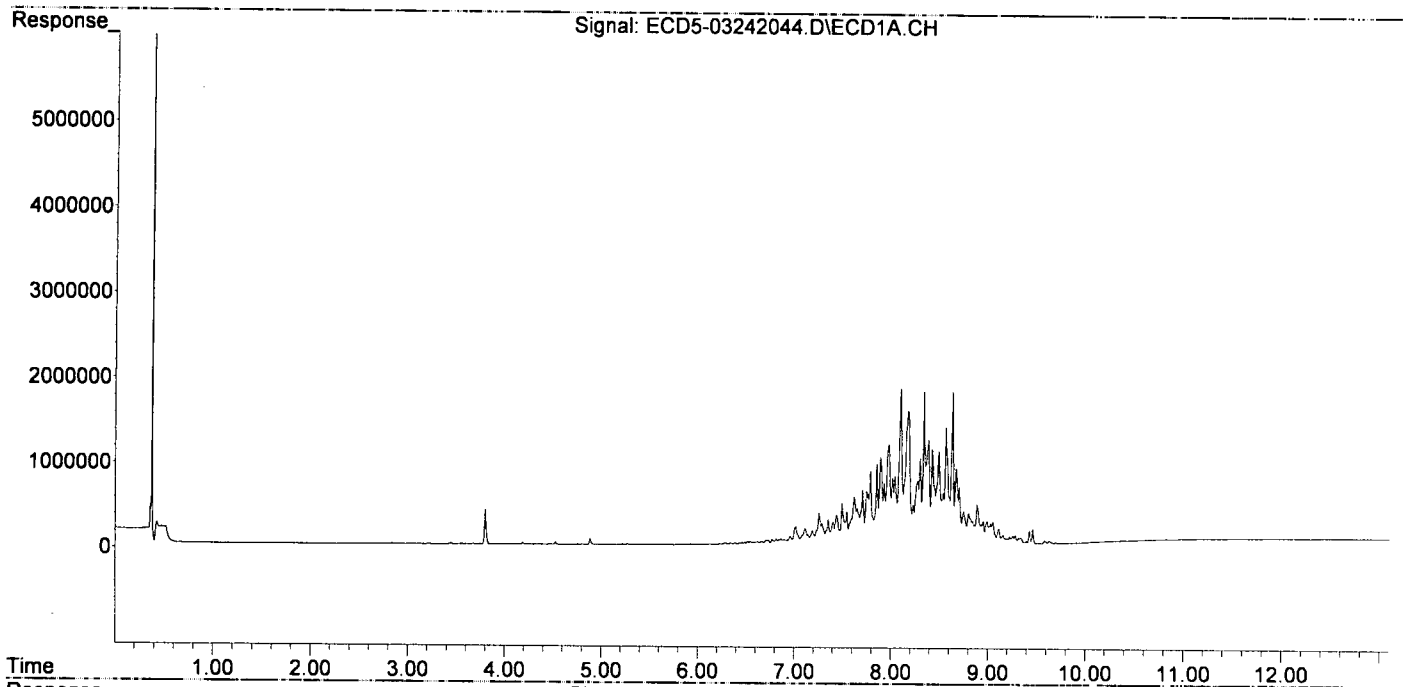
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 7.494 | 8.467 | 474801 | 1284194 | 447.747 | 454.168 |
| 37) Toxaphene... | 7.787 | 8.815 | 859180 | 1632080 | 436.221 | 470.451 |
| 38) Toxaphene... | 8.099 | 8.850 | 1819799 | 2521196 | 452.795 | 439.108 |
| 39) Toxaphene... | 8.340 | 8.917 | 1782592 | 4046166 | 456.231 | 437.524 |
| 40) Toxaphene... | 8.568 | 9.094 | 1366223 | 2276816 | 452.881 | 448.884 |
| 41) Toxaphene... | 8.635 | 9.475 | 1789727 | 2424995 | 453.817 | 453.998 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:40:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:05
 Operator : MJB
 Sample : 0C24036-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:43:39 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

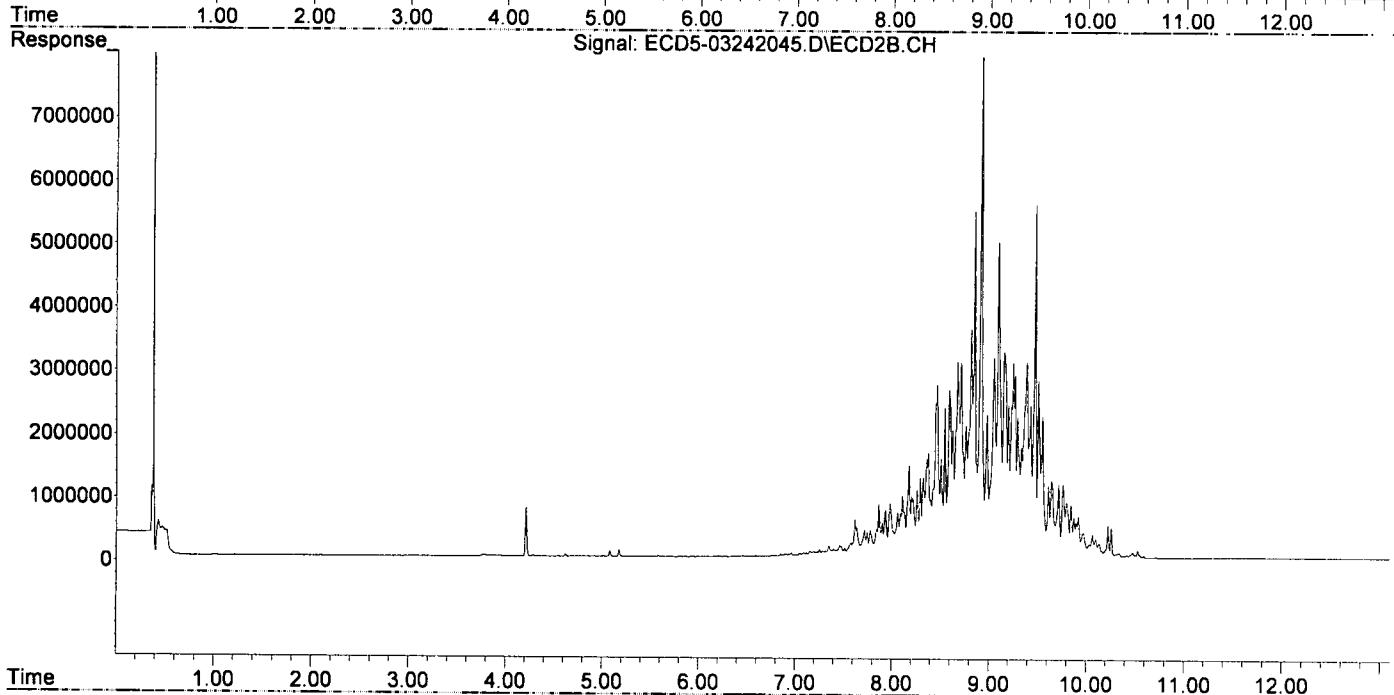
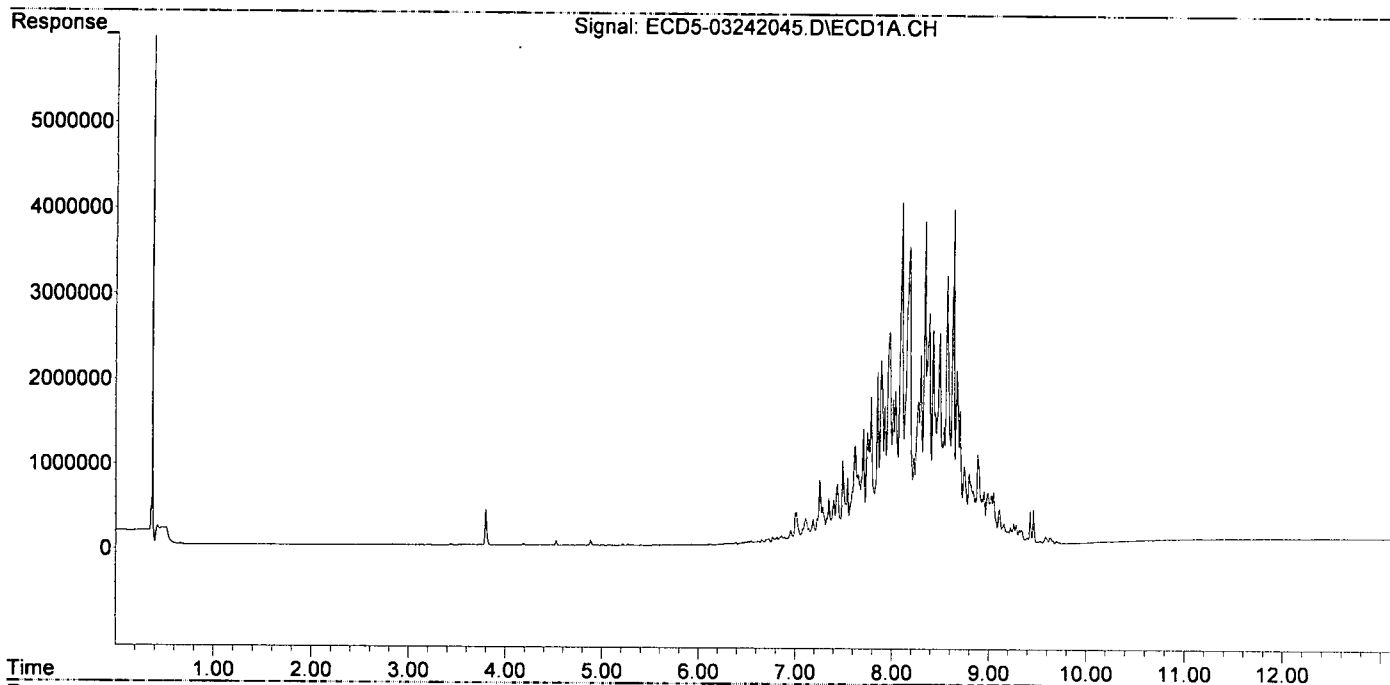
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) 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 |
| 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... | 7.494 | 8.467 | 980575 | 2709679 | 924.704 | 958.304 |
| 37) Toxaphene... | 7.787 | 8.815 | 1744371 | 3583528 | 885.649 | 1032.960 |
| 38) Toxaphene... | 8.100 | 8.850 | 4006607 | 5442521 | 996.907 | 947.904 |
| 39) Toxaphene... | 8.339 | 8.918 | 3786246 | 8989591 | 969.040 | 972.071 |
| 40) Toxaphene... | 8.568 | 9.094 | 3148951 | 4954854 | 1043.825 | 976.870 |
| 41) Toxaphene... | 8.634 | 9.475 | 3945722 | 5554464 | 1000.507 | 1039.885 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Data Path : C:\msdchem\1\data\2020-03\0C24036\
 Data File : ECD5-03242046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Mar 2020 1:22
 Operator : MJB
 Sample : 0C24036-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Mar 25 12:44:11 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Mar 25 12:40:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

MJB
3/25/20

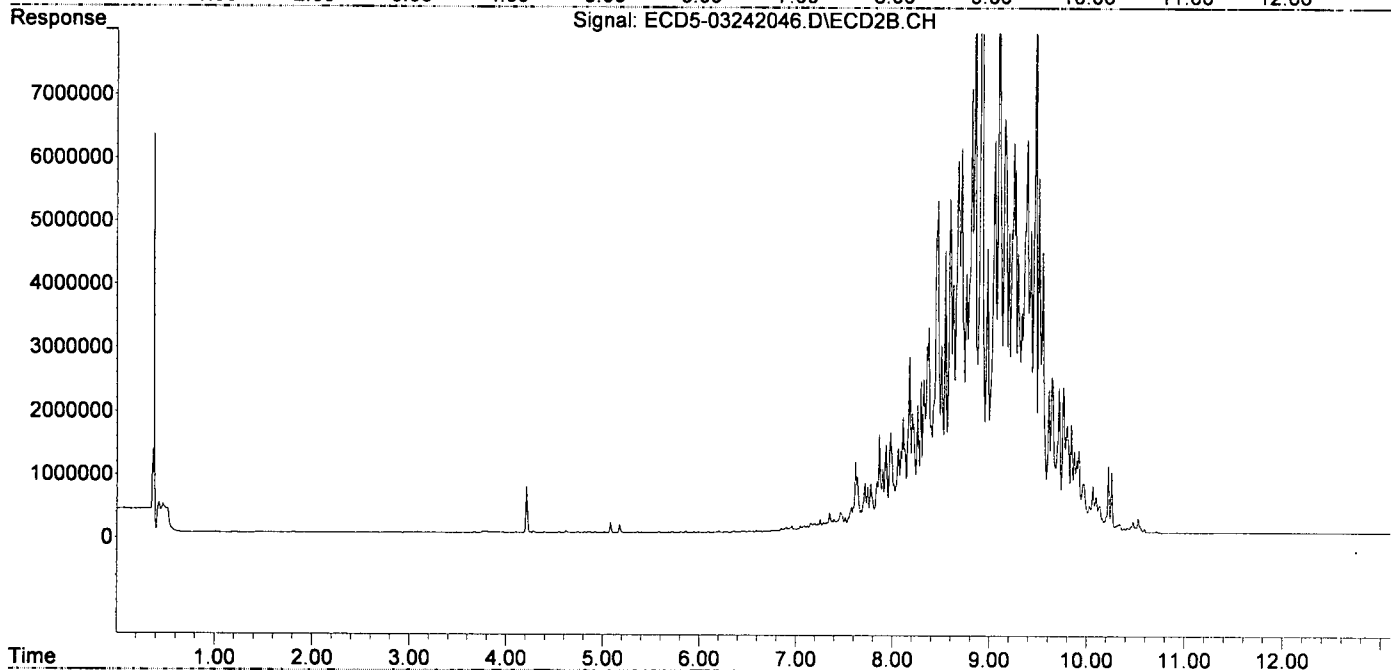
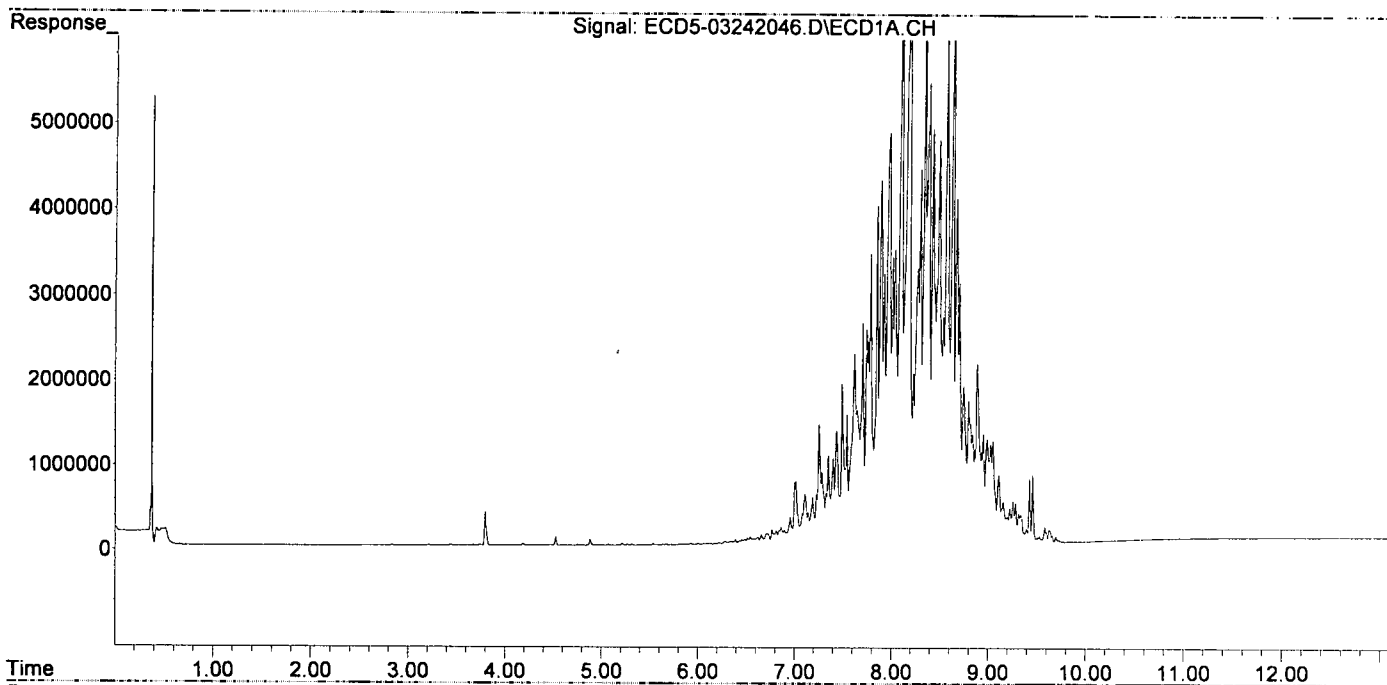
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/mL | ng/mL |
|------------------------------------|-------|-------|---------|----------|----------|----------|
| System Monitoring Compounds | | | | | | |
| 1) S TCMX (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 22) S DCBP (S) | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| Target Compounds | | | | | | |
| 2) a-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 3) g-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 4) b-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 5) Heptachlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 6) d-BHC | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 7) Aldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 8) Heptachlo... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 9) trans-Chl... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 10) cis-Chlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 11) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 12) 4,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 13) Dieldrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 14) Endrin | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 15) 4,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 16) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 17) 4,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 18) Endrin Al... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 19) Endosulfa... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 20) Methoxychlor | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 21) Endrin Ke... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 23) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 24) Hexachlor... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 25) Oxychlorthane | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 26) 2,4'-DDE | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 27) trans-Non... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 28) 2,4'-DDD | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 29) 2,4'-DDT | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 30) cis-Nonac... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 31) Mirex | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 32) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 33) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 34) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 35) Chlordane... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |
| 36) Toxaphene... | 7.493 | 8.467 | 1881314 | 5232351 | 1774.120 | 1850.472 |
| 37) Toxaphene... | 7.787 | 8.815 | 3407462 | 6997810 | 1730.031 | 2017.135 |
| 38) Toxaphene... | 8.099 | 8.850 | 7722060 | 11042450 | 1921.371 | 1923.223 |
| 39) Toxaphene... | 8.339 | 8.917 | 7409380 | 18548434 | 1896.333 | 2005.697 |
| 40) Toxaphene... | 8.568 | 9.094 | 6159134 | 10220382 | 2041.652 | 2014.991 |
| 41) Toxaphene... | 8.634 | 9.475 | 7995315 | 11188892 | 2027.352 | 2094.741 |
| 42) Toxaphene... | 0.000 | 0.000 | 0 | 0 | N.D. d | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:44:11 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Batch 0040356

Batch 0040357

Sequence 0D10041 (A0D0212-01)



Apex Laboratories
PREPARATION BENCH SHEET

APR 17 2020

BATCH #: 0040356 (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 | >11 | |
| | 0040356-BLK1 | QC | 04/10/20 07:04 | 11 | 5 | | | | 100 | | | | | | |
| | 0040356-BS1 | QC | 04/10/20 07:04 | 10 | 5 | A20B016 | | 100 | 100 | | | | | | |
| | A0D0196-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.39 | 5 | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP | | | | |
| | 0040356-DUP1 | QC | 04/10/20 07:04 | 10.4 | 5 | | A0D0196-01 | | 100 | | | | | | |
| | 0040356-MS1 | QC | 04/10/20 07:04 | 10.35 | 5 | A20B016 | A0D0196-01 | 100 | 100 | | | | | | |
| | 0040356-MSD1 | QC | 04/10/20 07:04 | 10.45 | 5 | A20B016 | A0D0196-01 | 100 | 100 | | | | | | |
| | A0D0196-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.75 | 5 | | | | 100 | PDI-047SC-A-05-06-191001 | | | | | |
| | A0D0196-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.35 | 5 | | | | 100 | PDI-047SC-A-06-07-191001 | | | | | |
| | A0D0196-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.05 | 5 | | | | 100 | PDI-047SC-A-07-08-191001 | | | | | |
| | A0D0205-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.49 | 5 | | | | 100 | PDI-049SC-A-08-09-191015 | | | | | |
| | A0D0205-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.29 | 5 | | | | 100 | PDI-049SC-A-09-10-191015 | | | | | |
| | A0D0205-02RE1 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.29 | 5 | | | | 100 | PDI-049SC-A-09-10-191015 | Added 4/13/2020 By ams | | | | |
| | A0D0205-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.08 | 5 | | | | 100 | PDI-049SC-A-10-11-191015 | | | | | |
| | A0D0205-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.26 | 5 | | | | 100 | PDI-049SC-A-11-12-191015 | | | | | |
| | A0D0205-04RE1 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.26 | 5 | | | | 100 | PDI-049SC-A-11-12-191015 | Added 4/13/2020 By ams | | | | |
| | A0D0205-04RE2 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.26 | 5 | | | | 100 | PDI-049SC-A-11-12-191015 | Added 4/14/2020 By ams | | | | |
| | A0D0205-04RE3 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.26 | 5 | | | | 100 | PDI-049SC-A-11-12-191015 | Added 4/14/2020 by ams | | | | |
| | A0D0207-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.37 | 5 | | | | 100 | PDI-057SC-A-09-10-191023 | | | | | |
| | A0D0207-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.34 | 5 | | | | 100 | PDI-057SC-A-10-11-191023 | | | | | |
| | A0D0207-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.09 | 5 | | | | 100 | PDI-057SC-A-11-12-191023 | | | | | |

Prepared By: _____ Date _____

AMS 4/14/20
Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **0040356 (Sediment)**

Prep Method: EPA 3546

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|---|---------------|----------------------------|----------------|-------------|------------|----------|-----------|----------|----------|--------------------------|------------------------|----|-----|-----|
| | | | | | | | | | | | | <2 | 2-8 | >11 |
| | A0D0207-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.9 | 5 | | | | 100 | PDI-057SC-A-12-13-191023 | | | | |
| | A0D0207-04RE1 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.9 | 5 | | | | 100 | PDI-057SC-A-12-13-191023 | Added 4/13/2020 By ams | | | |
| | A0D0207-05 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.49 | 5 | | | | 100 | PDI-062SC-A-11-12-191023 | | | | |
| | A0D0207-06 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.07 | 5 | | | | 100 | PDI-062SC-A-12-13-191023 | | | | |
| | A0D0210-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.64 | 5 | | | | 100 | PDI-076SC-A-06-07-191013 | | | | |
| | A0D0210-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.3 | 5 | | | | 100 | PDI-076SC-A-07-08-191013 | | | | |
| | A0D0212-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.01 | 5 | | | | 100 | PDI-077SC-A-04-05-191014 | | | | |
| | A0D0212-02RE1 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.01 | 5 | | | | 100 | PDI-077SC-A-04-05-191014 | Added 4/14/2020 by ams | | | |
| | A0D0212-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.47 | 5 | | | | 100 | PDI-077SC-A-05-06-191014 | | | | |
| | A0D0212-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.56 | 5 | | | | 100 | PDI-077SC-A-06-07-191014 | | | | |
| | A0D0212-05 | A 8270D LL PAH Only (Scan) | 04/10/20 07:22 | 10.48 | 5 | | | | 100 | PDI-077SC-A-07-08-191014 | | | | |

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 | A20B016 | 08/01/20 | LVI PAH Spike @2000ng/ml | A20C034 | 08/22/20 | 8270D LL PAH Only Surr. (5ppm) |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperture achieved.
Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040356 (Soil) Sediment

Prep Method: EPA 3546

4/10/20

| # | Lab Number | Analysis | Prepared | Initial (g) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|----|--------------|----------------------------|----------------|-------------|------------|----------|------------|----------|----------|--------------------------|---------------------|----|-----|-----|
| | | | | | | | | | | | | <2 | 5-8 | >11 |
| 1 | 0040356-BLKI | QC | 04/10/20 07:04 | 10.11 | 5 ✓ | | | | 100 | | | | | |
| 2 | 0040356-BSI | QC | 04/10/20 07:04 | 10 | 5 ✓ | A20B016 | | 100 | 100 | | | | | |
| 3 | A0D0196-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.39 | 5 ✓ | | | | 100 | PDI-047SC-A-04-05-191001 | MS/MSD/DUP sand | | | |
| 4 | 0040356-DUP1 | QC | 04/10/20 07:04 | 10.40 | 5 ✓ | | A0D0196-01 | | 100 | | sand | | | |
| 5 | 0040356-MSI | QC | 04/10/20 07:04 | 10.35 | 5 ✓ | A20B016 | A0D0196-01 | 100 | 100 | | sand | | | |
| 6 | 0040356-MSDI | QC | 04/10/20 07:04 | 10.45 | 5 ✓ | A20B016 | A0D0196-01 | 100 | 100 | | sand | | | |
| 7 | A0D0196-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.75 | 5 ✓ | | | | 100 | PDI-047SC-A-05-06-191001 | sand | | | |
| 8 | A0D0196-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.35 | 5 ✓ | | | | 100 | PDI-047SC-A-06-07-191001 | sand | | | |
| 9 | A0D0196-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.05 | 5 ✓ | | | | 100 | PDI-047SC-A-07-08-191001 | sand | | | |
| 10 | A0D0205-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.49 | 5 ✓ | | | | 100 | PDI-049SC-A-08-09-191015 | mud, color | | | |
| 11 | A0D0205-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.29 | 5 ✓ | | | | 100 | PDI-049SC-A-09-10-191015 | soil | | | |
| 12 | A0D0205-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.08 | 5 ✓ | | | | 100 | PDI-049SC-A-10-11-191015 | sand | | | |
| 13 | A0D0205-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.26 | 5 ✓ | | | | 100 | PDI-049SC-A-11-12-191015 | mud | | | |
| 14 | A0D0207-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.37 | 5 ✓ | | | | 100 | PDI-057SC-A-09-10-191023 | soil | | | |
| 15 | A0D0207-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.34 | 5 ✓ | | | | 100 | PDI-057SC-A-10-11-191023 | mud | | | |
| 16 | A0D0207-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.04 | 5 ✓ | | | | 100 | PDI-057SC-A-11-12-191023 | soil | | | |
| 17 | A0D0207-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.90 | 5 ✓ | | | | 100 | PDI-057SC-A-12-13-191023 | sediment, mud | | | |
| 18 | A0D0207-05 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.49 | 5 ✓ | | | | 100 | PDI-062SC-A-11-12-191023 | soil | | | |
| 19 | A0D0207-06 | A 8270D LL PAH Only (Scan) | 04/10/20 07:04 | 10.07 | 5 ✓ | | | | 100 | PDI-062SC-A-12-13-191023 | soil | | | |
| 20 | A0D0210-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10.64 | 5 ✓ | | | | 100 | PDI-076SC-A-06-07-191013 | mud | | | |

Prepared By: CAH Date: 4/10/20
ACD 4-10-20

Reviewed By: CQS Date: 04/10/20-20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040356 (Soil)

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 |
| 21 | A0D0210-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10 10.30 | 5 ✓ | | | | 100 | PDI-076SC-A-07-08-191013 | mod # | | | |
| 22 | A0D0212-02 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10 10.01 | 5 ✓ | | | | 100 | PDI-077SC-A-04-05-191014 | mod # | | | |
| 23 | A0D0212-03 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10 10.47 | 5 ✓ | | | | 100 | PDI-077SC-A-05-06-191014 | mod # | | | |
| 24 | A0D0212-04 | A 8270D LL PAH Only (Scan) | 04/10/20 07:18 | 10 10.56 | 5 ✓ | | | | 100 | PDI-077SC-A-06-07-191014 | mod # | | | |
| 25 | A0D0212-05 | A 8270D LL PAH Only (Scan) | 04/10/20 07:22 | 10 10.45 | 5 ✓ | | | | 100 | PDI-077SC-A-07-08-191014 | mod, org # | | | |

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 | A20B016 | 08/01/20 | LVI PAH Spike @2000ng/ml | A20C034 | 08/22/20 | 8270D LL PAH Only Surr. (5ppm) |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: JAG

Witness: JAG 4/10/2020

= staining on turbop.

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____

BATCH #: 0040357 (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 |
| | 0040357-BLK1 | QC | 04/10/20 07:19 | 11 | 5 | | | | 100 | | | | | |
| | 0040357-BS1 | QC | 04/10/20 07:19 | 10 | 5 | A20B016 | | 100 | 100 | | | | | |
| | A0D0212-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10.3 | 5 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP | | | |
| | 0040357-DUP1 | QC | 04/10/20 07:19 | 10.34 | 5 | | A0D0212-01 | | 100 | | | | | |
| | 0040357-MS1 | QC | 04/10/20 07:19 | 10.35 | 5 | A20B016 | A0D0212-01 | 100 | 100 | | | | | |
| | 0040357-MSD1 | QC | 04/10/20 07:19 | 10.32 | 5 | A20B016 | A0D0212-01 | 100 | 100 | | | | | |
| | A0D0212-06 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10.27 | 5 | | | | 100 | PDI-077SC-A-08-09-191014 | | | | |
| | A0D0212-07 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10.27 | 5 | | | | 100 | PDI-077SC-A-09-10-191014 | | | | |
| | A0D0212-08 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10.39 | 5 | | | | 100 | PDI-077SC-A-10-11-191014 | | | | |
| | A0D0212-09 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10.83 | 5 | | | | 100 | PDI-077SC-A-11-12-191014 | | | | |

Standards/Reagents

| Reagent(s) | | |
|------------|-----------|-----------------------------|
| Std ID | Exp. Date | Description |
| A18K311 | 12/31/20 | Glass Wool |
| A18L176 | 11/30/23 | Balance s/n 1701A109 |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US |

| Analyte Spike(s) | | |
|------------------|-----------|--------------------------|
| Std ID | Exp. Date | Description |
| A20B016 | 08/01/20 | LVI PAH Spike @2000ng/ml |

| Surrogate(s) | | |
|--------------|-----------|--------------------------------|
| Std ID | Exp. Date | Description |
| A20C034 | 08/22/20 | 8270D LL PAH Only Surr. (5ppm) |

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____


 Reviewed By: _____ Date 4/14/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **0040357** (~~Soil~~) *Sediment*
JAG 4/10/2020

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 | |
| 1 | 0040357-BLK1 | QC | 04/10/20 07:19 | 10 11.00 | 5 | | | | 100 | | | | | | |
| 2 | 0040357-BS1 | QC | 04/10/20 07:19 | 10 | 5 | A20B016 | | 100 | 100 | | | | | | |
| 3 | A0D0212-01 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10 10.30 | 5 | | | | 100 | PDI-077SC-A-03-04-191014 | MS/MSD/DUP mud | | | | |
| 4 | 0040357-DUP1 | QC | 04/10/20 07:19 | 10 10.34 | 5 | | A0D0212-01 | | 100 | | mud | | | | |
| 5 | 0040357-MS1 | QC | 04/10/20 07:19 | 10 10.35 | 5 | A20B016 | A0D0212-01 | 100 | 100 | | mud | | | | |
| 6 | 0040357-MSD1 | QC | 04/10/20 07:19 | 10 10.32 | 5 | A20B016 | A0D0212-01 | 100 | 100 | | mud | | | | |
| 7 | A0D0212-06 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10 10.27 | 5 | | | | 100 | PDI-077SC-A-08-09-191014 | <i>JAG 4/10/2020</i> sand - mud | | | | |
| 8 | A0D0212-07 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10 10.27 | 5 | | | | 100 | PDI-077SC-A-09-10-191014 | sand | | | | |
| 9 | A0D0212-08 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10 10.39 | 5 | | | | 100 | PDI-077SC-A-10-11-191014 | sand | | | | |
| 10 | A0D0212-09 | A 8270D LL PAH Only (Scan) | 04/10/20 07:19 | 10 10.33 | 5 | | | | 100 | PDI-077SC-A-11-12-191014 | sand | | | | |

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 | Extraction Balance | A20B016 | 08/01/20 | LVI PAH Spike @2000ng/ml | A20C034 | 08/22/20 | 8270D LL PAH Only Surr. (5ppm) |
| A18K311 | 12/31/20 | Glass Wool | | | | | | |
| A20A282 | 07/19/21 | Sodium Sulfate Lot # 194865 | | | | | | |
| A20D012 | 09/28/21 | DCM CHEM PROD. DY141-US | | | | | | |
| A1761109 | | Balance | | | | | | |
| A18L176 | 11/30/23 | Balance s/n 17601A109 | | | | | | |

Method 3546 digestion time and temperature achieved.

Initial: *JAG*

Witness: *JAG 4/10/2020*

JAG
Prepared By: _____
Date: *4/10/2020*

AMS
Reviewed By: _____
Date: *4/13/20*



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D10041

Instrument: SV-GCMS14

Date: 04/10/20 14:15

Calibration: A0D0804

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|----------|--------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D10041-IBL1 | Sediment | QC | QC | | | A20C067 | |
| 2 | 0D10041-TUN1 | Sediment | QC | QC | | | A20C067 | A20C407 |
| 3 | 0D10041-CCV1 | Sediment | QC | QC | | | A20C067 | A20C077 |
| 4 | 0D10041-CCB1 | Sediment | QC | QC | | | A20C067 | |
| 5 | 0040356-BLK1 | Sediment | QC | QC | | 0040356 | A20C067 | |
| 6 | 0040356-BS1 | Sediment | QC | QC | | 0040356 | A20C067 | |
| 7 | A0D0196-01 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 8 | 0040356-DUP1 | Sediment | QC | QC | | 0040356 | A20C067 | |
| 9 | 0040356-MS1 | Sediment | QC | QC | | 0040356 | A20C067 | |
| 10 | 0040356-MSD1 | Sediment | QC | QC | | 0040356 | A20C067 | |
| 11 | 0040357-BLK1 | Sediment | QC | QC | | 0040357 | A20C067 | |
| 12 | 0040357-BS1 | Sediment | QC | QC | | 0040357 | A20C067 | |
| 13 | A0D0212-01 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040357 | A20C067 | |
| 14 | 0040357-DUP1 | Sediment | QC | QC | | 0040357 | A20C067 | |
| 15 | 0040357-MS1 | Sediment | QC | QC | | 0040357 | A20C067 | |
| 16 | 0040357-MSD1 | Sediment | QC | QC | | 0040357 | A20C067 | |
| 17 | A0D0205-01 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 18 | A0D0205-02 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 19 | A0D0205-04 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 20 | A0D0207-01 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 21 | A0D0207-02 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 22 | A0D0207-03 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 23 | A0D0207-04 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 24 | A0D0210-01 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 25 | A0D0210-02 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 26 | 0D10041-IBL2 | Sediment | QC | QC | | | A20C067 | |

Data Entered By: *AMS 4/13/20*
 Data Reviewed By: *[Signature] 4/13/20*

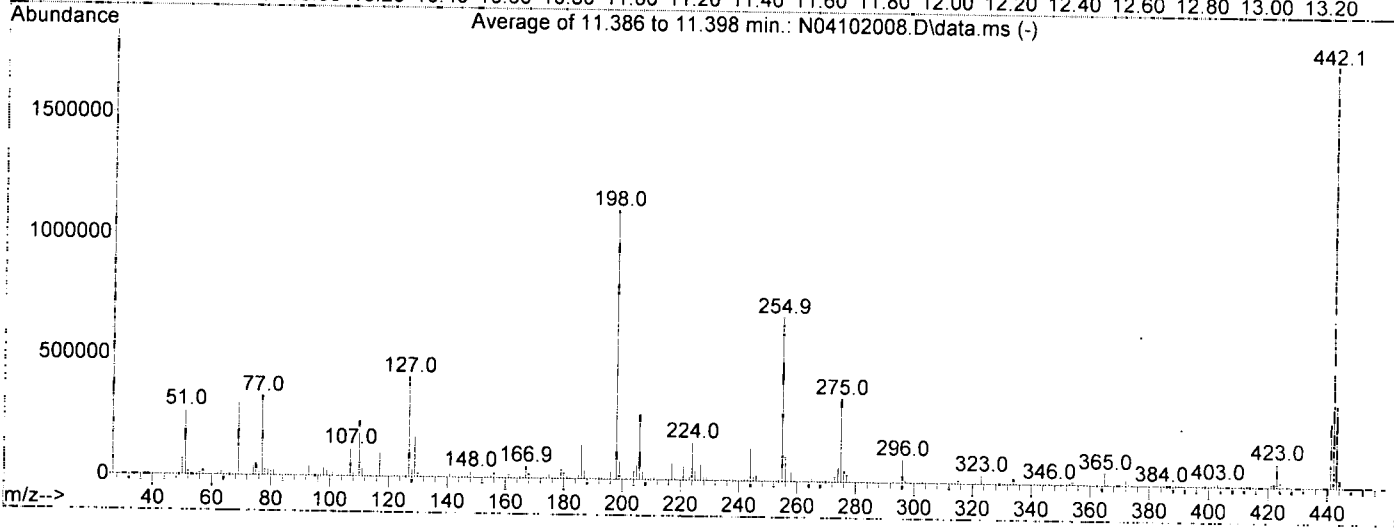
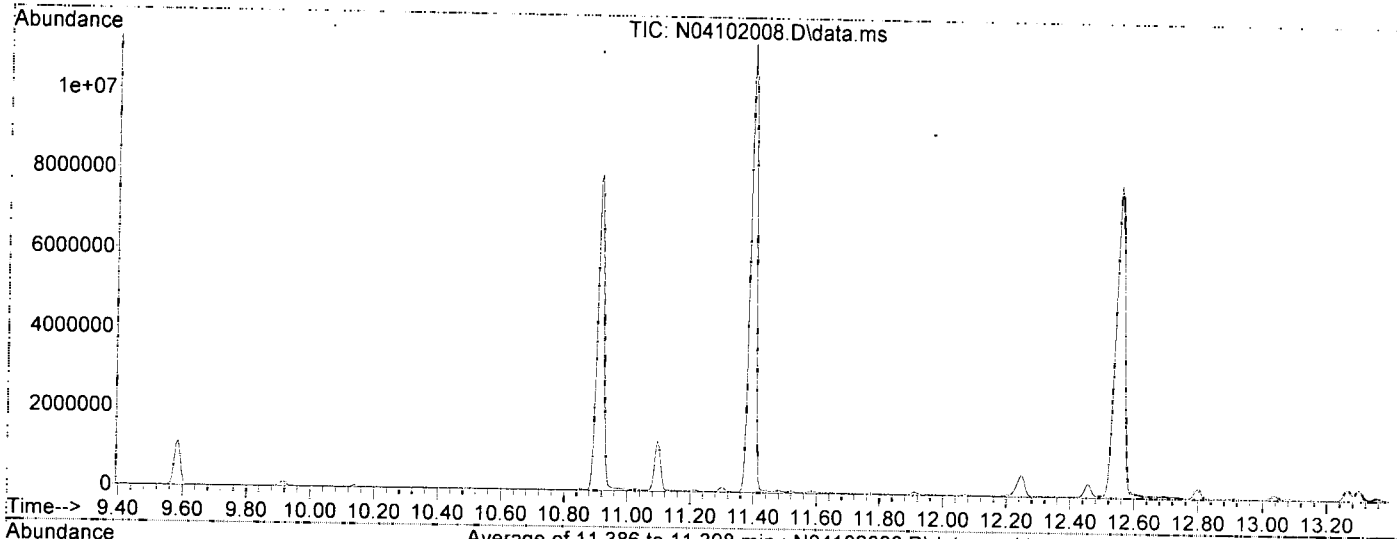
Comments:

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102008.D
 Acq On : 10 Apr 2020 02:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

AMS
4/13/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Mon Apr 13 09:22:09 2020



AutoFind: Scans 1217, 1218, 1219; Background Corrected with Scan 1211

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68 | 69 | 0.00 | 2 | 1.9 | 5572 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 299105 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1529 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1111903 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 75189 | PASS |
| 365 | 198 | 1 | 100 | 4.5 | 49939 | PASS |
| 441 | 443 | 0.01 | 150 | 78.0 | 265984 | PASS |
| 442 | 198 | 0.10 | 200 | 157.3 | 1749333 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 341205 | PASS |

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102008.D
 Acq On : 10 Apr 2020 02:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

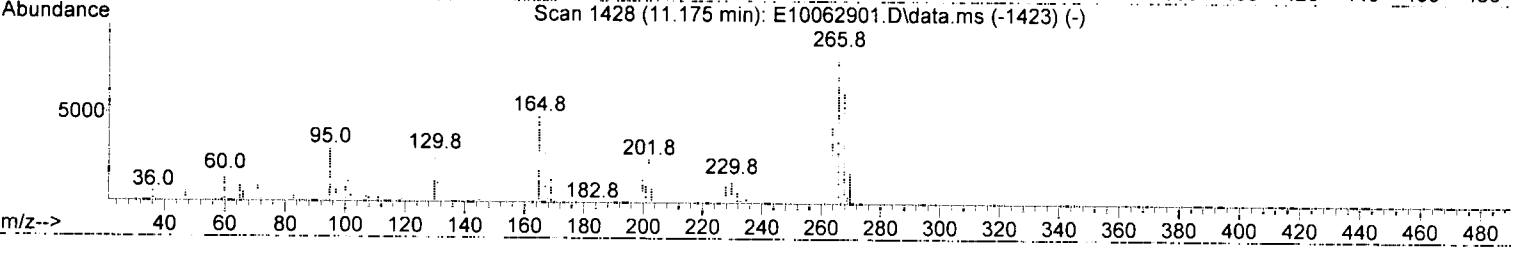
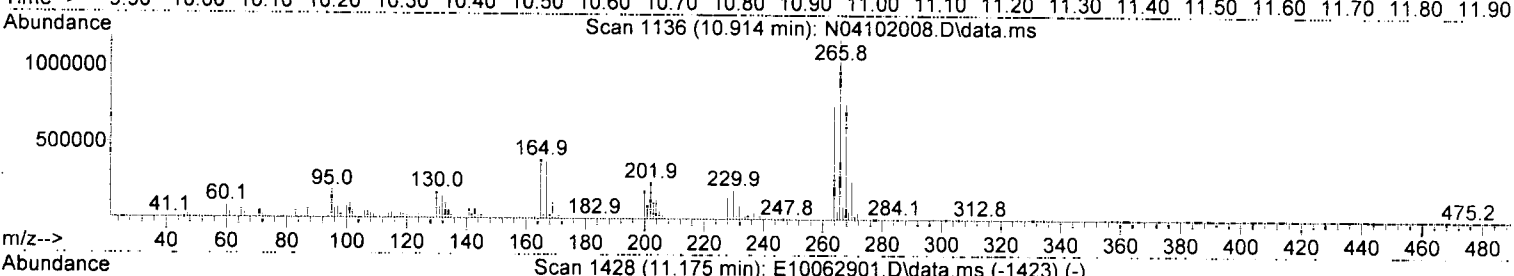
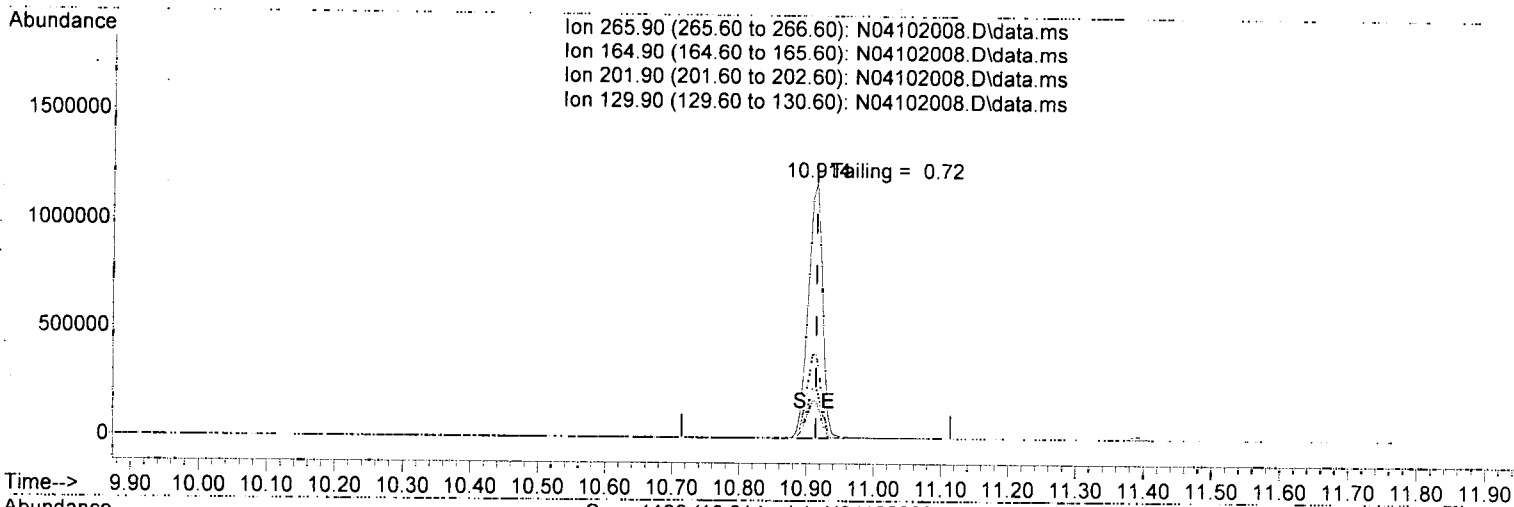
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|---------|-----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.613 | 150 | 196892 | 2.00 | ug/mL | 0.00 |
| 2) Naphthalene-d8 | 7.819 | 136 | 592024 | 2.00 | ug/mL | 0.00 |
| 3) Acenaphthene-d10 | 9.585 | 162 | 340825 | 2.00 | ug/mL | 0.00 |
| 5) Phenanthrene-d10 | 11.095 | 188 | 668022 | 2.00 | ug/mL | 0.00 |
| 11) Chrysene-d12 | 14.767 | 240 | 632537 | 2.00 | ug/mL | 0.00 |
| 12) Perylene-d12 | 16.801 | 264 | 625507 | 2.00 | ug/mL | 0.00 |
| 13) Dibenz(a,h)anthracene-... | 18.019 | 292 | 538773 | 2.00 | ug/mL # | 0.00 |
| Target Compounds | | | | | | |
| 4) Pentachlorophenol | 10.914 | 266 | 1737920 | 54.00 | ug/mL | Qvalue 78 |
| 6) DFTPP | 11.398 | 442 | 2795726 | 51.84 | ug/mL# | 59 |
| 7) Benzidine | 12.552 | 184 | 6672975 | 28.08 | ug/mL | 97 |
| 8) 4,4-DDE | 12.797 | TIC | 346723 | No Calib | | |
| 9) 4,4-DDD | 13.298 | TIC | 374472 | No Calib | | |
| 10) 4,4-DDT | 13.858 | TIC | 20710321 | 30.23 | ug/mL | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102008.D
 Acq On : 10 Apr 2020 02:53 pm
 Operator : JK/ AMS/ DTH
 Sample : OD10041-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102008.D\data.ms

(4) Pentachlorophenol

10.914min (0.000) 54.00 ug/mL

response 1737920

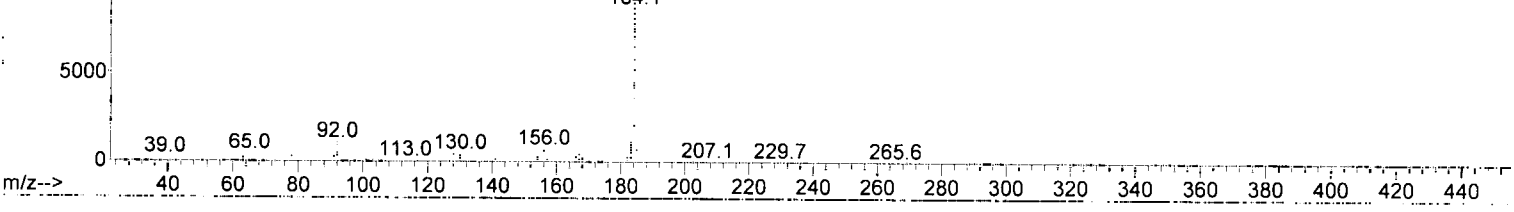
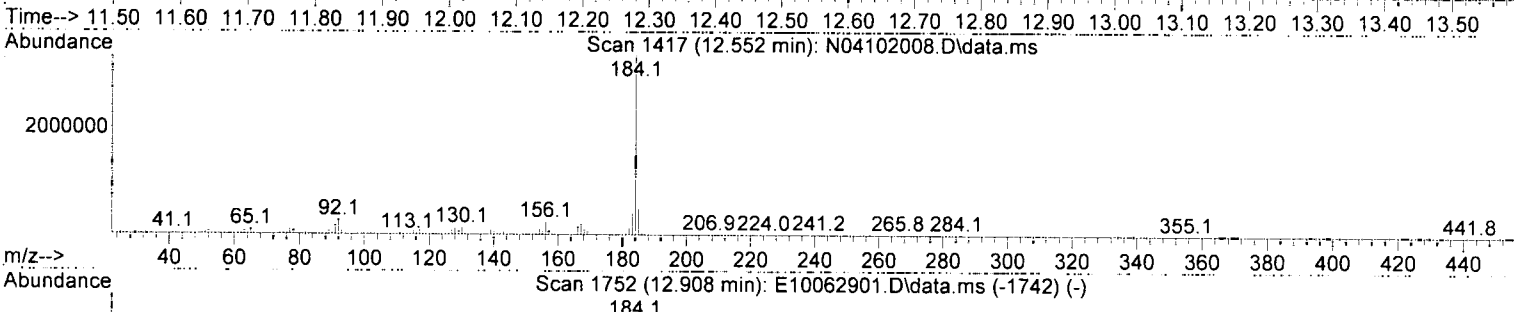
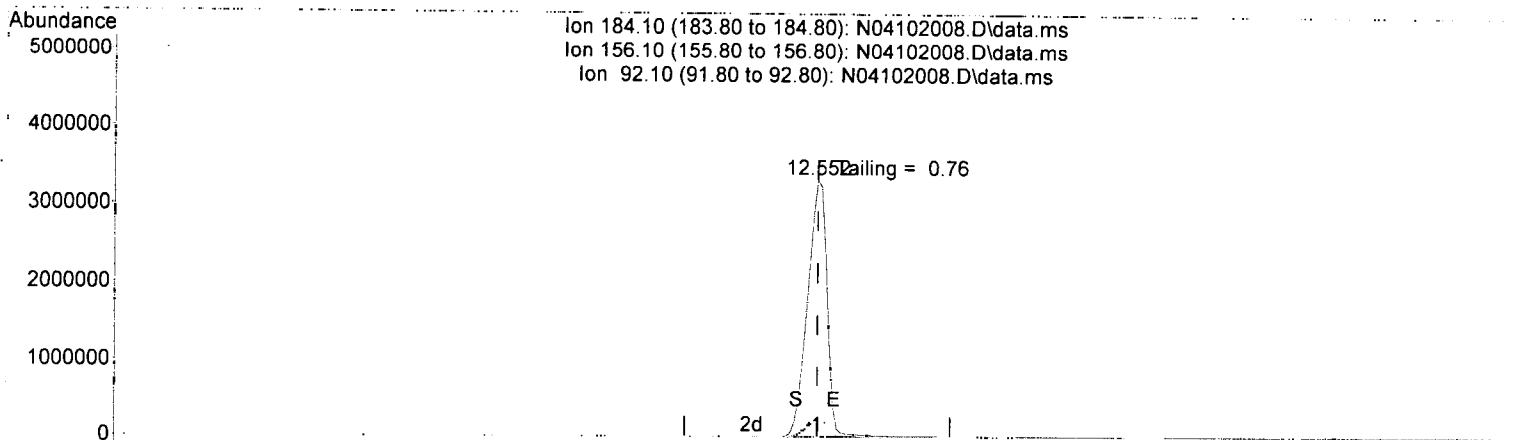
| Ion | Exp% | Act% |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60 | 32.82 |
| 201.90 | 25.80 | 20.18 |
| 129.90 | 27.30 | 14.56 |

✓

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102008.D
 Acq On : 10 Apr 2020 02:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102008.D\data.ms

(7) Benzidine

12.552min (0.000) 28.08 ug/mL

response 6672975

| Ion | Exp% | Act% |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50 | 7.01 |
| 92.10 | 8.20 | 7.73 |
| 0.00 | 0.00 | 0.00 |

DDT Breakdown Check (Validated 5/1/2013)

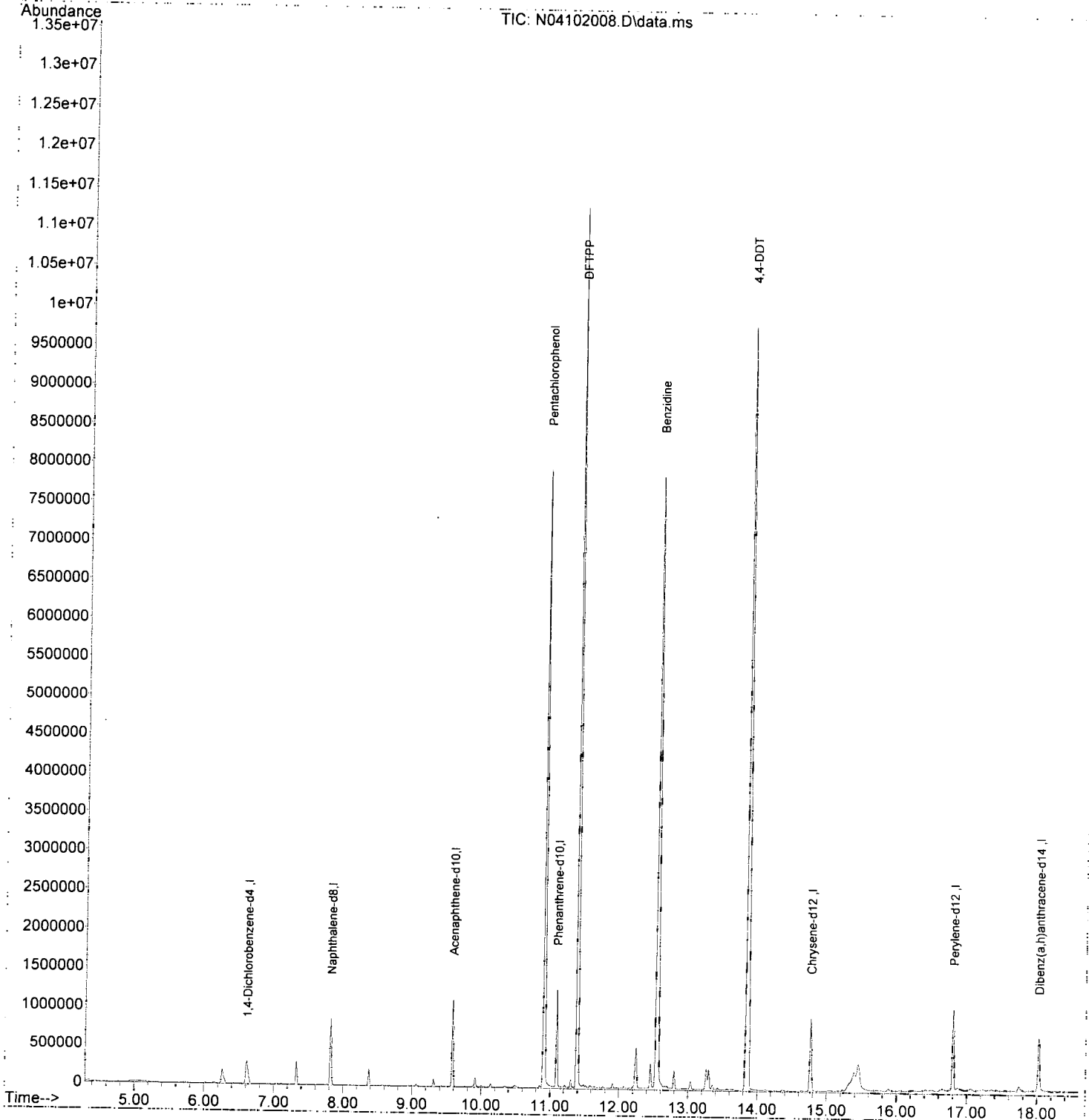
From:
OD10041-TUN1
SV-GCMS 14

| First Column Area Counts | Percent Breakdown |
|--------------------------|-------------------|
| DDE 346723 | |
| DDD 374472 | |
| DDT 20710321 | 3.37% PASS |

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102009.D
 Acq On : 10 Apr 2020 03:20 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-CCV1
 Misc : 1x, A20C077@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:33 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
4/13/20

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 | 85 | 0.00 |
| 2 S Nitrobenzene-d5 (Surr) | 50.000 | 47.618 | 4.8 | 84 | 0.00 |
| 3 T Decalin | 50.000 | 33.195 | 33.6# | 60 | 0.00 |
| 4 T Naphthalene | 50.000 | 48.742 | 2.5 | 86 | 0.00 |
| 5 T 2-Methylnaphthalene | 50.000 | 52.397 | -4.8 | 89 | 0.00 |
| 6 T 1-Methylnaphthalene | 50.000 | 51.333 | -2.7 | 87 | 0.00 |
| 7 T 1,1'-Biphenyl | 50.000 | 53.523 | -7.0 | 92 | 0.00 |
| 8 T 2,6-Dimethylnaphthalene | 50.000 | 56.487 | -13.0 | 97 | 0.00 |
| 9 I Acenaphthene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 94 | 0.00 |
| 10 S 2-Fluorobiphenyl (Surr) | 50.000 | 49.680 | 0.6 | 94 | 0.00 |
| 11 T Acenaphthylene | 50.000 | 53.689 | -7.4 | 98 | 0.00 |
| 12 T Acenaphthene | 50.000 | 51.167 | -2.3 | 96 | 0.00 |
| 13 T Dibenzofuran | 50.000 | 53.841 | -7.7 | 102 | 0.00 |
| 14 T 1,6,7-Trimethylnaphthalene | 50.000 | 55.089 | -10.2 | 105 | 0.00 |
| 15 T Fluorene | 50.000 | 54.943 | -9.9 | 105 | 0.00 |
| 16 I Phenanthrene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 110 | 0.00 |
| 17 T Dibenzothiopene | 50.000 | 50.284 | -0.6 | 109 | 0.00 |
| 18 T Phenanthrene | 50.000 | 49.540 | 0.9 | 110 | 0.00 |
| 19 T Anthracene | 50.000 | 55.802 | -11.6 | 121 | 0.00 |
| 20 T Carbazole | 50.000 | 53.333 | -6.7 | 111 | 0.00 |
| 21 T 1-Methylphenanthrene | 50.000 | 53.575 | -7.2 | 115 | 0.00 |
| 22 T Fluoranthene | 50.000 | 54.481 | -9.0 | 118 | 0.00 |
| 23 I Chrysene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 106 | 0.00 |
| 24 T Pyrene | 50.000 | 51.735 | -3.5 | 115 | 0.00 |
| 25 S Terphenyl-d14 (Surr) | 50.000 | 52.828 | -5.7 | 112 | 0.00 |
| 26 T Benz(a)anthracene | 50.000 | 52.025 | -4.0 | 116 | 0.00 |
| 27 T Chrysene | 50.000 | 49.432 | 1.1 | 106 | 0.00 |
| 28 I Perylene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 106 | 0.00 |
| 29 T Benzo(b)fluoranthene | 50.000 | 53.908 | -7.8 | 118 | 0.00 |
| 30 T Benzo(k)fluoranthene | 50.000 | 52.776 | -5.6 | 111 | 0.00 |
| 31 T Benzo(b+k)fluoranthene | 100.000 | 104.834 | -4.8 | 112 | 0.00 |
| 32 T Benzo(e)pyrene | 50.000 | 50.881 | -1.8 | 111 | 0.00 |
| 33 T Benzo(a)pyrene | 50.000 | 56.936 | -13.9 | 114 | 0.00 |
| 34 T Perylene | 50.000 | 53.009 | -6.0 | 104 | 0.00 |
| 35 I Dibenz(a,h)Anthrcene-d14 (IS | 100.000 | 100.000 | 0.0 | 109 | 0.00 |
| 36 T Indeno(1,2,3-cd)Pyrene | 50.000 | 50.659 | -1.3 | 112 | 0.00 |
| 37 T Dibenz(a,h)anthracene | 50.000 | 50.322 | -0.6 | 110 | 0.00 |
| 38 T Benzo(g,h,i)perylene | 50.000 | 50.957 | -1.9 | 109 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102009.D
 Acq On : 10 Apr 2020 03:20 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-CCV1
 Misc : 1x, A20C077@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

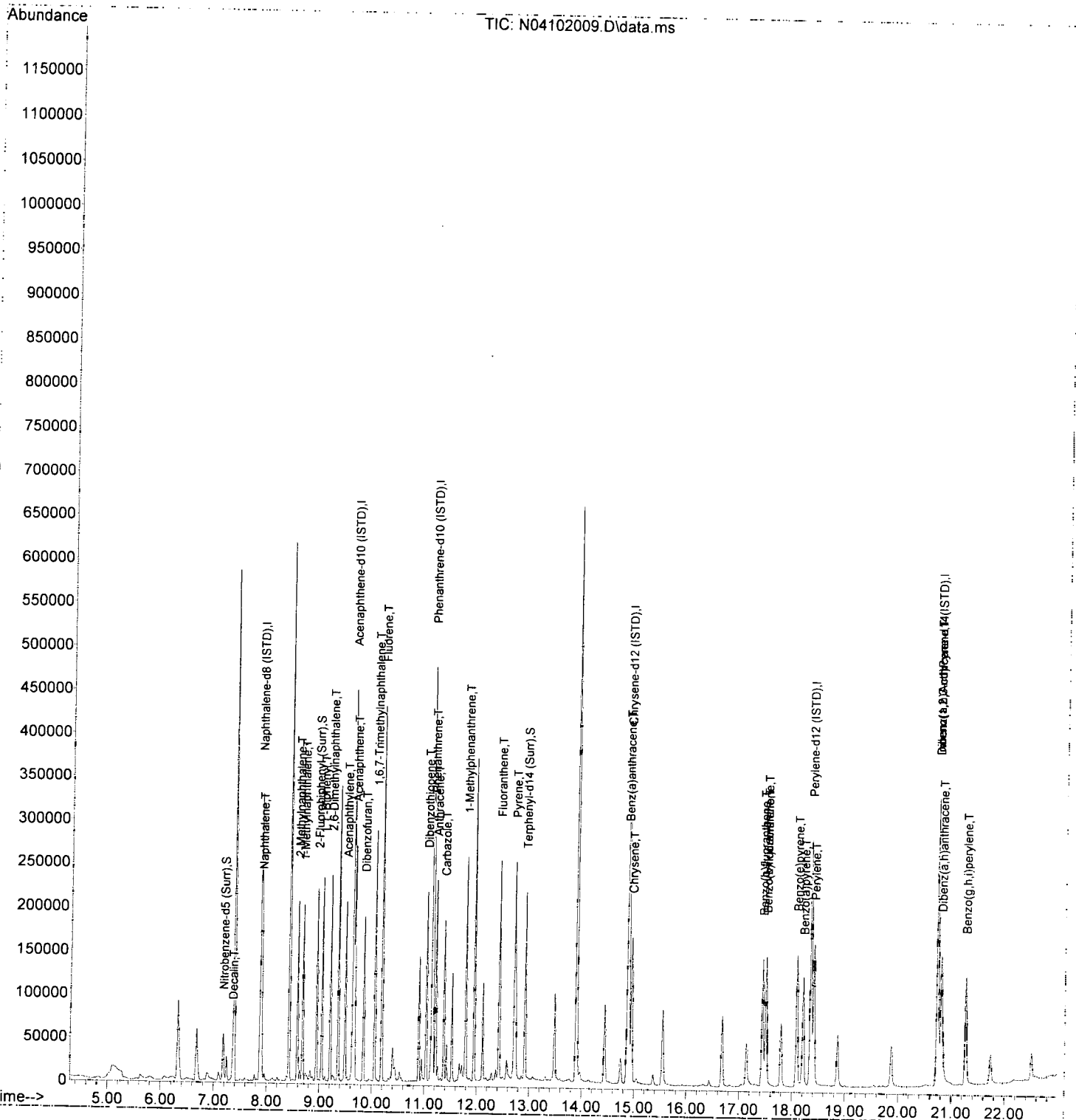
Quant Time: Apr 13 09:29:33 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 226507 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 137641 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 265671 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 253703 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 246508 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 207305 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 33694 | 47.62 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 105866 | 49.68 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 129500 | 52.83 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.359 | 138 | 6012 | 33.20 | ng/ml | | 84 |
| 4) Naphthalene | 7.901 | 128 | 120249 | 48.74 | ng/ml | | 100 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 86796 | 52.40 | ng/ml | | 96 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 84431 | 51.33 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 111751 | 53.52 | ng/ml | | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.206 | 156 | 80908 | 56.49 | ng/ml | | 97 |
| 11) Acenaphthylene | 9.492 | 152 | 137796 | 53.69 | ng/ml | | 99 |
| 12) Acenaphthene | 9.667 | 153 | 96334 | 51.17 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.842 | 168 | 122694 | 53.84 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 81274 | 55.09 | ng/ml | | 98 |
| 15) Fluorene | 10.185 | 166 | 99462 | 54.94 | ng/ml | | 100 |
| 17) Dibenzothiopene | 11.036 | 184 | 135002 | 50.28 | ng/ml | | 94 |
| 18) Phenanthrene | 11.159 | 178 | 151493 | 49.54 | ng/ml | | 99 |
| 19) Anthracene | 11.211 | 178 | 139751 | 55.80 | ng/ml | | 99 |
| 20) Carbazole | 11.369 | 167 | 115312 | 53.33 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 110480 | 53.58 | ng/ml | | 98 |
| 22) Fluoranthene | 12.424 | 202 | 164198 | 54.48 | ng/ml | | 96 |
| 24) Pyrene | 12.715 | 202 | 170242 | 51.74 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 136876 | 52.02 | ng/ml | | 99 |
| 27) Chrysene | 14.953 | 228 | 133758 | 49.43 | ng/ml | | 100 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 137375 | 53.91 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 134075 | 52.78 | ng/ml | | 92 |
| 31) Benzo(b+k)fluoranthene | 17.506 | 252 | 280923 | 104.83 | ng/ml | | 92 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 135578 | 50.88 | ng/ml | | 97 |
| 33) Benzo(a)pyrene | 18.211 | 252 | 116525 | 56.94 | ng/ml | | 95 |
| 34) Perylene | 18.410 | 252 | 145441 | 53.01 | ng/ml | | 100 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 114079 | 50.66 | ng/ml | | 77 |
| 37) Dibenz(a,h)anthracene | 20.799 | 278 | 114268 | 50.32 | ng/ml | | 81 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 123093 | 50.96 | ng/ml | | 79 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102009.D
 Acq On : 10 Apr 2020 03:20 pm
 Operator : JK/ AMS/ DTH
 Sample : 0D10041-CCV1
 Misc : 1x, A20C077@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:33 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102010.D
 Acq On : 10 Apr 2020 03:52 pm
 Operator : JK/ AMS/ DTH
 Sample : OD10041-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

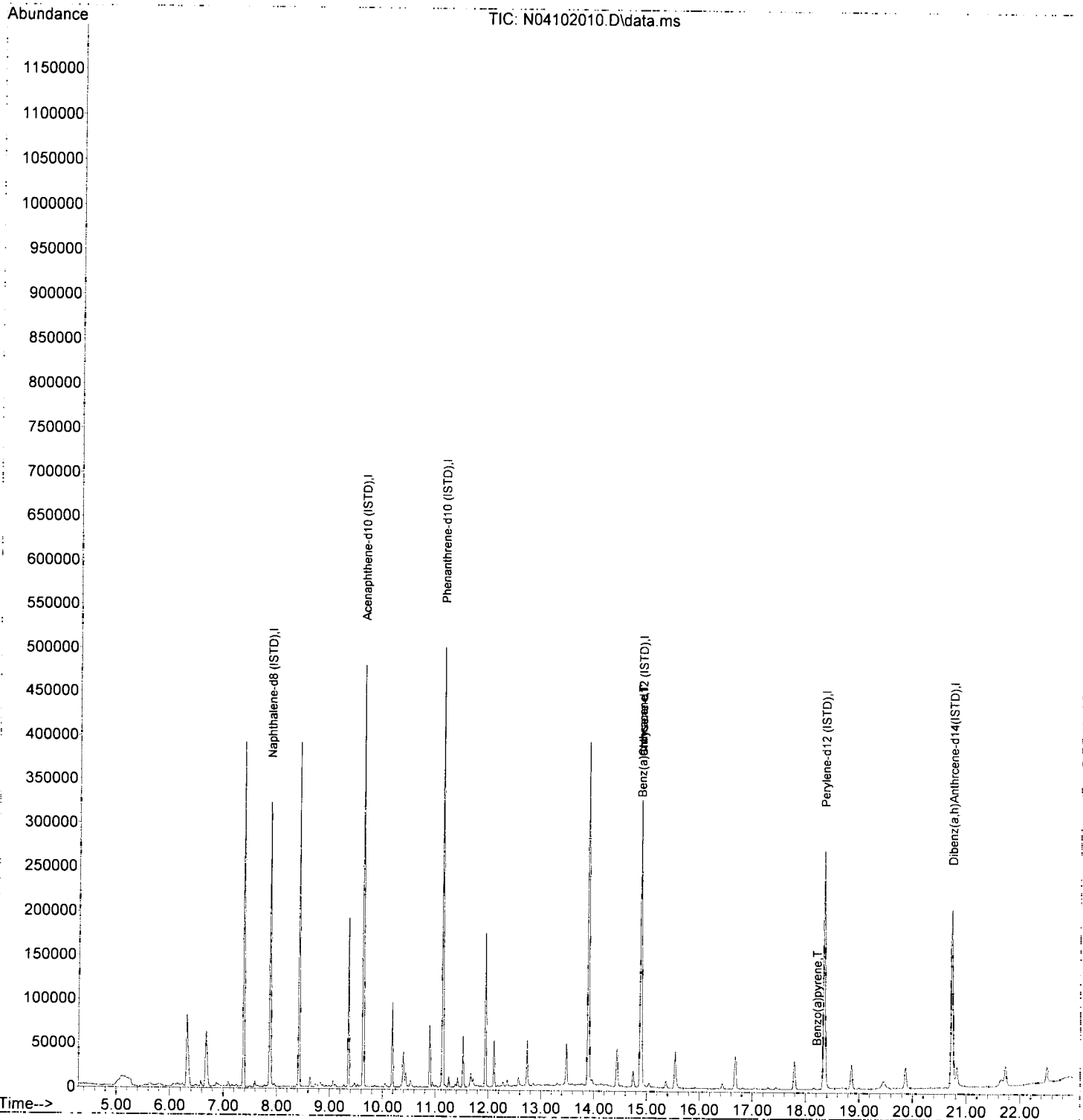
AMS
4/13/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 240662 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 146760 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 277357 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.889 | 240 | 249653 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.345 | 264 | 233892 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 201826 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 191 | 0.25 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 307 | 0.14 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 550 | 0.23 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | | | Qvalue |
| 4) Naphthalene | 7.906 | 128 | 437 | | | N.D. |
| 5) 2-Methylnaphthalene | 8.582 | 142 | 84 | | | N.D. |
| 6) 1-Methylnaphthalene | 0.000 | | 0 | | | N.D. |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 249 | | | N.D. |
| 8) 2,6-Dimethylnaphthalene | 0.000 | | 0 | | | N.D. |
| 11) Acenaphthylene | 9.492 | 152 | 68 | | | N.D. |
| 12) Acenaphthene | 9.667 | 153 | 66 | | | N.D. |
| 13) Dibenzofuran | 9.841 | 168 | 75 | | | N.D. |
| 14) 1,6,7-Trimethylnaphtha... | 0.000 | | 0 | | | N.D. |
| 15) Fluorene | 10.185 | 166 | 53 | | | N.D. |
| 17) Dibenzothiopene | 11.036 | 184 | 130 | | | N.D. |
| 18) Phenanthrene | 11.159 | 178 | 336 | | | N.D. |
| 19) Anthracene | 11.211 | 178 | 64 | | | N.D. |
| 20) Carbazole | 11.369 | 167 | 216 | | | N.D. |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 98 | | | N.D. |
| 22) Fluoranthene | 12.424 | 202 | 234 | | | N.D. |
| 24) Pyrene | 12.715 | 202 | 310 | | | N.D. |
| 26) Benz(a)anthracene | 14.883 | 228 | 1039 | 0.40 | ng/ml | 84 |
| 27) Chrysene | 14.947 | 228 | 499 | | | N.D. |
| 29) Benzo(b)fluoranthene | 17.436 | 252 | 357 | | | N.D. |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 228 | | | N.D. |
| 31) Benzo(b+k)fluoranthene | 17.506 | 252 | 228 | | | N.D. |
| 32) Benzo(e)pyrene | 18.089 | 252 | 286 | | | N.D. |
| 33) Benzo(a)pyrene | 18.206 | 252 | 174 | 0.40 | ng/ml | 59 |
| 34) Perylene | 18.404 | 252 | 221 | | | N.D. |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 192 | | | N.D. |
| 37) Dibenz(a,h)anthracene | 20.793 | 278 | 139 | | | N.D. |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 93 | | | N.D. |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102010.D
Acq On : 10 Apr 2020 03:52 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:56 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102011.D
 Acq On : 10 Apr 2020 04:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040356-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
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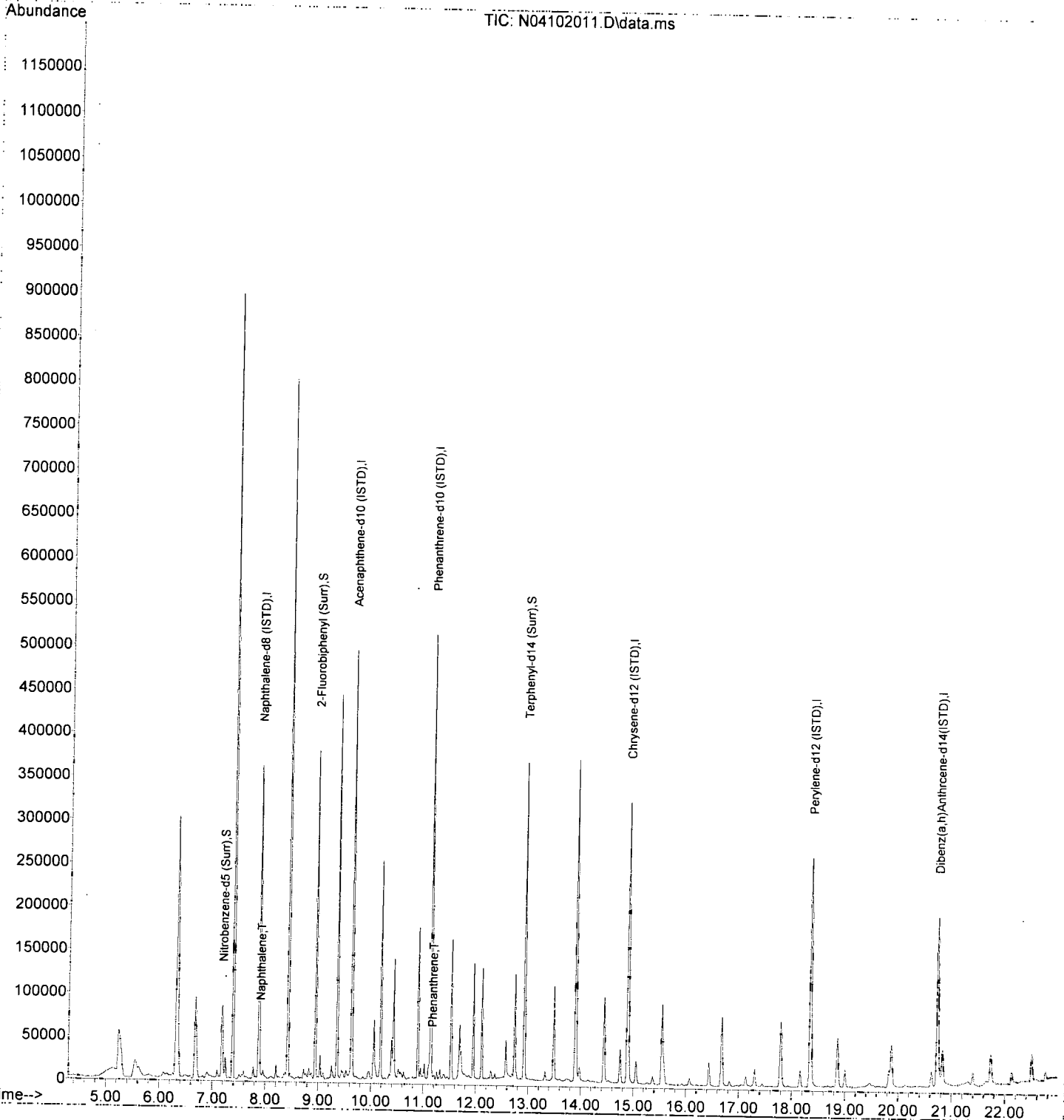
Quant Time: Apr 13 09:29:59 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 257039 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 154026 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 284354 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.889 | 240 | 247765 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 232214 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 192845 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 55940 | 69.67 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 179265 | 75.18 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 213936 | 89.36 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 1721 | 0.61 | ng/ml | 90 | |
| 5) 2-Methylnaphthalene | 8.582 | 142 | 545 | | N.D. | | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 284 | | N.D. | | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 883 | | N.D. | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 166 | | N.D. | | |
| 11) Acenaphthylene | 9.486 | 152 | 98 | | N.D. | | |
| 12) Acenaphthene | 9.667 | 153 | 320 | | N.D. | | |
| 13) Dibenzofuran | 9.841 | 168 | 183 | | N.D. | | |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 52 | | N.D. | | |
| 15) Fluorene | 10.185 | 166 | 231 | | N.D. | | |
| 17) Dibenzothiopene | 11.031 | 184 | 208 | | N.D. | | |
| 18) Phenanthrene | 11.165 | 178 | 1425 | 0.44 | ng/ml | 93 | |
| 19) Anthracene | 11.211 | 178 | 88 | | N.D. | | |
| 20) Carbazole | 11.369 | 167 | 175 | | N.D. | | |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 137 | | N.D. | | |
| 22) Fluoranthene | 12.424 | 202 | 683 | | N.D. | | |
| 24) Pyrene | 12.715 | 202 | 886 | | N.D. | | |
| 26) Benz(a)anthracene | 14.889 | 228 | 752 | | N.D. | | |
| 27) Chrysene | 14.947 | 228 | 298 | | N.D. | | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 213 | | N.D. | | |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 151 | | N.D. | | |
| 31) Benzo(b+k)fluoranthene | 17.506 | 252 | 151 | | N.D. | | |
| 32) Benzo(e)pyrene | 18.077 | 252 | 155 | | N.D. | | |
| 33) Benzo(a)pyrene | 0.000 | | 0 | | N.D. | | |
| 34) Perylene | 18.404 | 252 | 86 | | N.D. | | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 185 | | N.D. | | |
| 37) Dibenz(a,h)anthracene | 0.000 | | 0 | | N.D. | | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 177 | | N.D. | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102011.D
Acq On : 10 Apr 2020 04:25 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:59 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102012.D
 Acq On : 10 Apr 2020 04:57 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040356-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

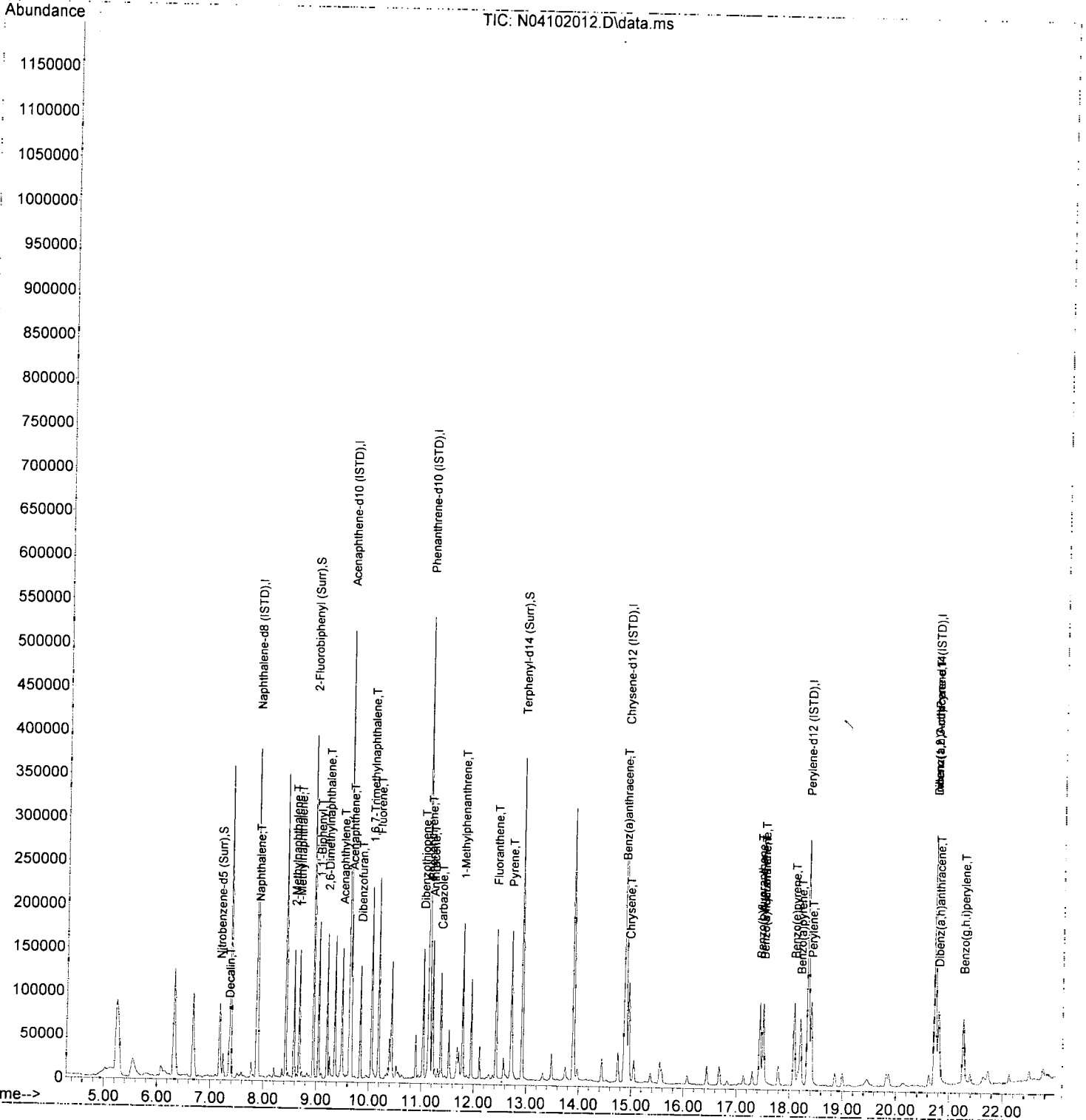
AMS
 4/13/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 262147 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 158610 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 295877 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 264468 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.346 | 264 | 254901 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.730 | 292 | 204978 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 57718 | 70.48 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 188264 | 76.67 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 219720 | 85.98 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.359 | 138 | 6438 | 30.71 | ng/ml | | 80 |
| 4) Naphthalene | 7.901 | 128 | 85243 | 29.85 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 62093 | 32.39 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 61342 | 32.22 | ng/ml | | 96 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 78998 | 32.69 | ng/ml | | 97 |
| 8) 2,6-Dimethylnaphthalene | 9.206 | 156 | 56577 | 34.13 | ng/ml | | 98 |
| 11) Acenaphthylene | 9.492 | 152 | 97906 | 33.10 | ng/ml | | 99 |
| 12) Acenaphthene | 9.667 | 153 | 67399 | 31.07 | ng/ml | | 100 |
| 13) Dibenzofuran | 9.842 | 168 | 84191 | 32.06 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 10.052 | 170 | 57044 | 33.55 | ng/ml | | 98 |
| 15) Fluorene | 10.186 | 166 | 67608 | 32.41 | ng/ml | | 97 |
| 17) Dibenzothiopene | 11.037 | 184 | 90547 | 30.28 | ng/ml | | 94 |
| 18) Phenanthrene | 11.165 | 178 | 103255 | 30.32 | ng/ml | | 99 |
| 19) Anthracene | 11.211 | 178 | 94064 | 33.72 | ng/ml | | 99 |
| 20) Carbazole | 11.369 | 167 | 73279 | 30.43 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 75702 | 32.96 | ng/ml | | 97 |
| 22) Fluoranthene | 12.424 | 202 | 112735 | 33.59 | ng/ml | | 96 |
| 24) Pyrene | 12.715 | 202 | 115745 | 33.74 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 88359 | 32.22 | ng/ml | | 99 |
| 27) Chrysene | 14.953 | 228 | 89368 | 31.68 | ng/ml | | 99 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 84659 | 32.13 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 83923 | 31.95 | ng/ml | | 92 |
| 31) Benzo(b+k)fluoranthene | 17.506 | 252 | 176632 | 63.74 | ng/ml | | 92 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 86494 | 31.39 | ng/ml | | 97 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 70565 | 33.82 | ng/ml | | 96 |
| 34) Perylene | 18.410 | 252 | 89550 | 31.56 | ng/ml | | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.730 | 276 | 70908 | 31.85 | ng/ml | | 76 |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 67354 | 30.00 | ng/ml | | 82 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 74765 | 31.30 | ng/ml | | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102012.D
 Acq On : 10 Apr 2020 04:57 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040356-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102016.D
 Acq On : 10 Apr 2020 07:04 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040356-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:14 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

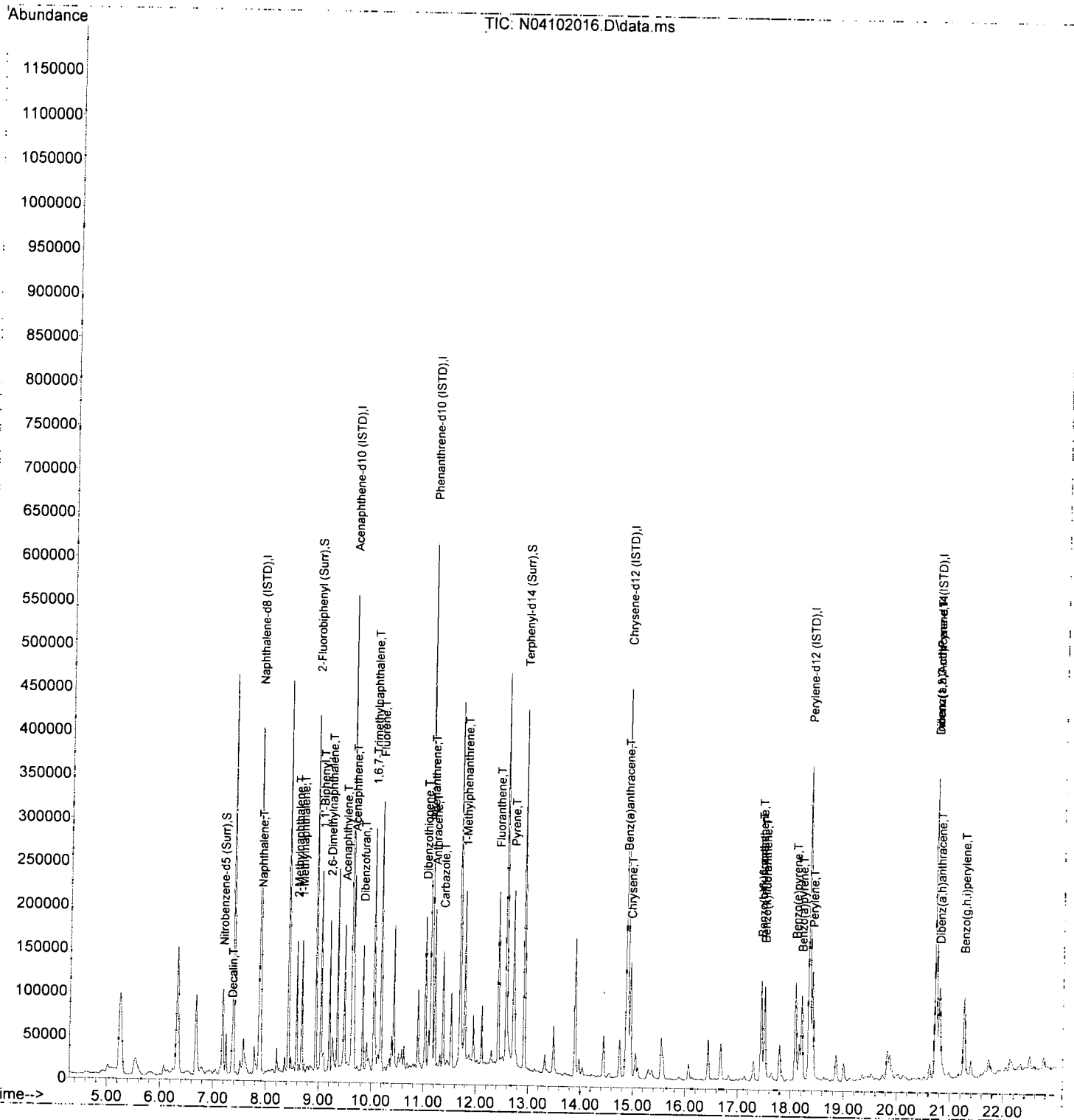
AMS
4/13/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 275177 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 171062 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 331948 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 314220 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.352 | 264 | 311603 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.730 | 292 | 252516 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 60552 | 70.44 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 193346 | 73.01 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 244495 | 80.53 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.359 | 138 | 5274 | 23.97 | ng/ml | | 83 |
| 4) Naphthalene | 7.901 | 128 | 88959 | 29.68 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 63805 | 31.71 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 62386 | 31.22 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 82815 | 32.65 | ng/ml | | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.206 | 156 | 60103 | 34.54 | ng/ml | | 97 |
| 11) Acenaphthylene | 9.492 | 152 | 103691 | 32.51 | ng/ml | | 99 |
| 12) Acenaphthene | 9.667 | 153 | 82253 | 35.15 | ng/ml | | 98 |
| 13) Dibenzofuran | 9.842 | 168 | 89724 | 31.68 | ng/ml | | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 10.052 | 170 | 61174 | 33.36 | ng/ml | | 99 |
| 15) Fluorene | 10.186 | 166 | 78396 | 34.84 | ng/ml | | 100 |
| 17) Dibenzothiopene | 11.037 | 184 | 101489 | 30.25 | ng/ml | | 94 |
| 18) Phenanthrene | 11.165 | 178 | 136205 | 35.65 | ng/ml | | 100 |
| 19) Anthracene | 11.211 | 178 | 106051 | 33.89 | ng/ml | | 99 |
| 20) Carbazole | 11.369 | 167 | 81923 | 30.32 | ng/ml | | 99 |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 83629 | 32.46 | ng/ml | | 98 |
| 22) Fluoranthene | 12.424 | 202 | 130413 | 34.63 | ng/ml | | 96 |
| 24) Pyrene | 12.715 | 202 | 134039 | 32.89 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 103150 | 31.65 | ng/ml | | 100 |
| 27) Chrysene | 14.953 | 228 | 102664 | 30.63 | ng/ml | | 99 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 103043 | 31.99 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 98248 | 30.59 | ng/ml | | 92 |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 208699 | 61.61 | ng/ml | | 90 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 102504 | 30.43 | ng/ml | | 97 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 86689 | 33.99 | ng/ml | | 96 |
| 34) Perylene | 18.410 | 252 | 115023 | 33.16 | ng/ml | | 100 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.730 | 276 | 84652 | 30.86 | ng/ml | | 78 |
| 37) Dibenz(a,h)anthracene | 20.800 | 278 | 79419 | 28.71 | ng/ml | | 81 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 90800 | 30.86 | ng/ml | | 79 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102016.D
 Acq On : 10 Apr 2020 07:04 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040356-MSD1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:14 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102017.D
 Acq On : 10 Apr 2020 07:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
4/13/20

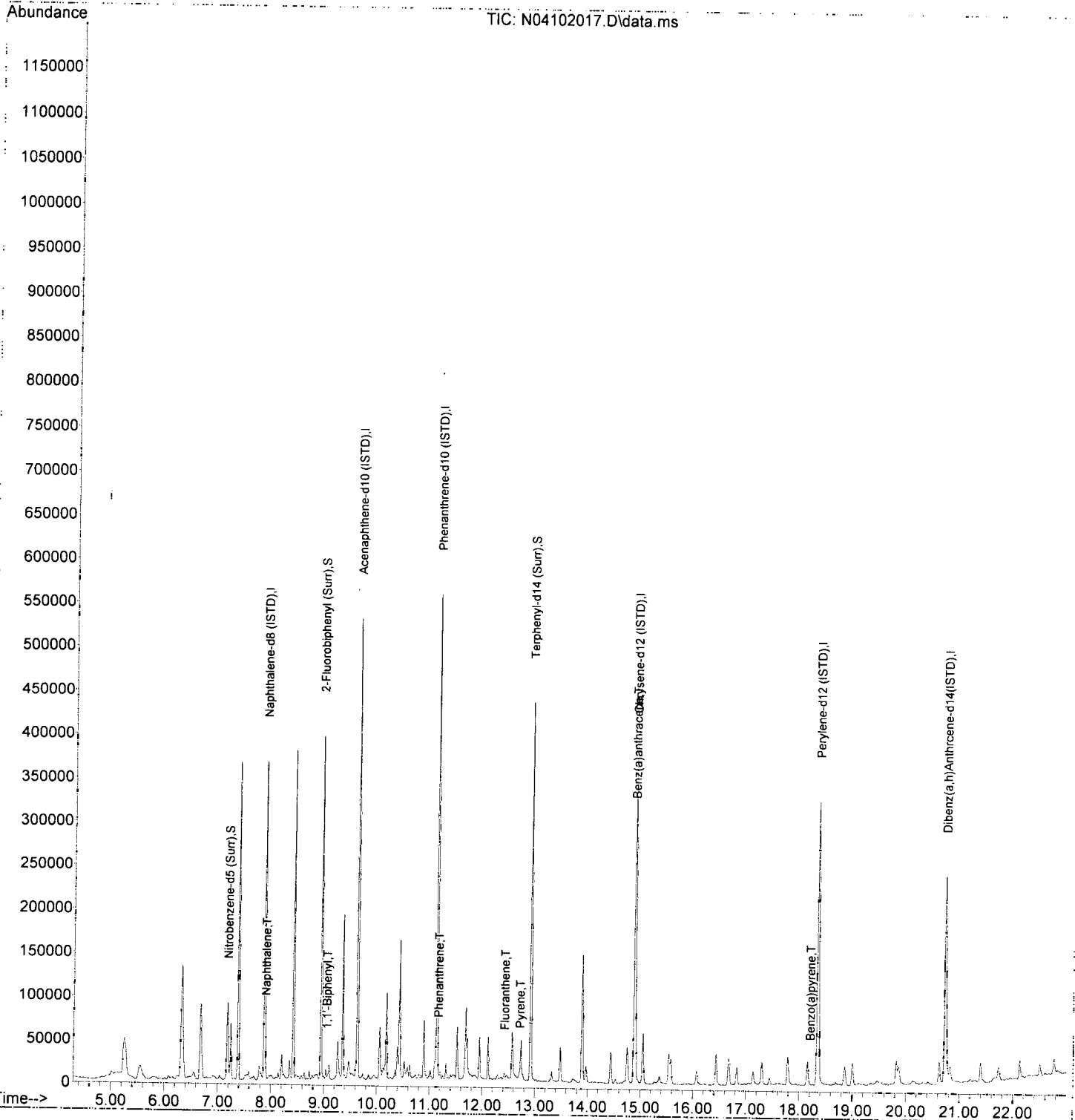
Quant Time: Apr 13 09:30:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.883 | 136 | 265116 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 162267 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 312859 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 288178 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 280277 | 100.00 | ng/ml | 0.00 | |
| 35) Diben(z(a,h)Anthracene-d... | 20.729 | 292 | 232224 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 56167 | 67.82 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 185975 | 74.03 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 260897 | 93.70 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | | | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 2038 | 0.71 | ng/ml | | 97 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 665 | | | | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 465 | | | | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1013 | 0.41 | ng/ml | | 99 |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 371 | | | | |
| 11) Acenaphthylene | 9.492 | 152 | 283 | | | | |
| 12) Acenaphthene | 9.667 | 153 | 817 | | | | |
| 13) Dibenzofuran | 9.842 | 168 | 311 | | | | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 160 | | | | |
| 15) Fluorene | 10.185 | 166 | 754 | | | | |
| 17) Dibenzothiopene | 11.036 | 184 | 935 | | | | |
| 18) Phenanthrene | 11.165 | 178 | 7183 | 1.99 | ng/ml | | 98 |
| 19) Anthracene | 11.211 | 178 | 961 | | | | |
| 20) Carbazole | 11.369 | 167 | 361 | | | | |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 568 | | | | |
| 22) Fluoranthene | 12.424 | 202 | 4003 | 1.13 | ng/ml | | 97 |
| 24) Pyrene | 12.715 | 202 | 5030 | 1.35 | ng/ml | | 98 |
| 26) Benz(a)anthracene | 14.883 | 228 | 1402 | 0.47 | ng/ml | | 91 |
| 27) Chrysene | 14.953 | 228 | 893 | | | | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 628 | | | | |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 323 | | | | |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 951 | | | | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 481 | | | | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 386 | 0.48 | ng/ml | | 41 |
| 34) Perylene | 18.404 | 252 | 211 | | | | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 459 | | | | |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 170 | | | | |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 466 | | | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102017.D
Acq On : 10 Apr 2020 07:36 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:17 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102018.D
 Acq On : 10 Apr 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
4/13/20

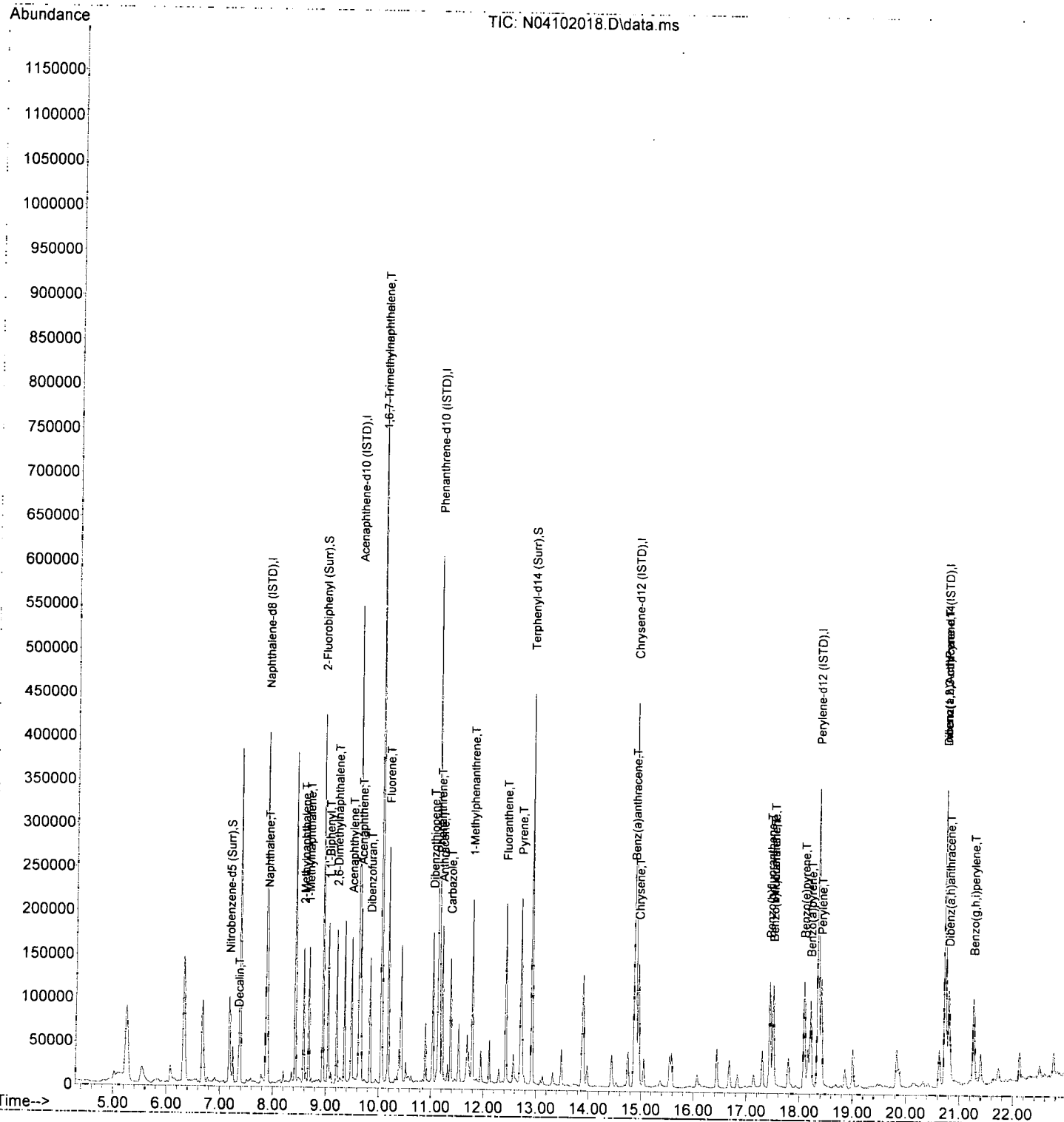
Quant Time: Apr 13 09:30:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.883 | 136 | 277328 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 169852 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 328714 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 309215 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 300825 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.730 | 292 | 241477 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 61280 | 70.73 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 199553 | 75.89 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 266575 | 89.22 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 7.359 | 138 | 5377 | 24.25 | ng/ml | Qvalue 88 |
| 4) Naphthalene | 7.901 | 128 | 90485 | 29.96 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 65310 | 32.20 | ng/ml | 97 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 64191 | 31.88 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 83934 | 32.83 | ng/ml | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.206 | 156 | 59822 | 34.11 | ng/ml | 97 |
| 11) Acenaphthylene | 9.492 | 152 | 106607 | 33.66 | ng/ml | 99 |
| 12) Acenaphthene | 9.667 | 153 | 71490 | 30.77 | ng/ml | 99 |
| 13) Dibenzofuran | 9.842 | 168 | 91476 | 32.53 | ng/ml | 93 |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 62381 | 34.26 | ng/ml | 99 |
| 15) Fluorene | 10.186 | 166 | 74797 | 33.48 | ng/ml | 100 |
| 17) Dibenzothiopene | 11.037 | 184 | 104824 | 31.56 | ng/ml | 94 |
| 18) Phenanthrene | 11.165 | 178 | 120805 | 31.93 | ng/ml | 100 |
| 19) Anthracene | 11.211 | 178 | 108511 | 35.02 | ng/ml | 99 |
| 20) Carbazole | 11.369 | 167 | 88282 | 33.00 | ng/ml | 99 |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 87672 | 34.36 | ng/ml | 98 |
| 22) Fluoranthene | 12.424 | 202 | 135117 | 36.23 | ng/ml | 96 |
| 24) Pyrene | 12.715 | 202 | 138192 | 34.46 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 108115 | 33.72 | ng/ml | 99 |
| 27) Chrysene | 14.953 | 228 | 109274 | 33.13 | ng/ml | 99 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 109910 | 35.34 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.506 | 252 | 104364 | 33.66 | ng/ml | 91 |
| 31) Benzo(b+k)fluoranthene | 17.506 | 252 | 222459 | 68.03 | ng/ml | 91 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 109771 | 33.76 | ng/ml | 97 |
| 33) Benzo(a)pyrene | 18.212 | 252 | 90634 | 36.74 | ng/ml | 95 |
| 34) Perylene | 18.410 | 252 | 111601 | 33.33 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.730 | 276 | 88552 | 33.76 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.799 | 278 | 83039 | 31.39 | ng/ml | 80 |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 96595 | 34.33 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102018.D
Acq On : 10 Apr 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:20 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
4/13/20

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

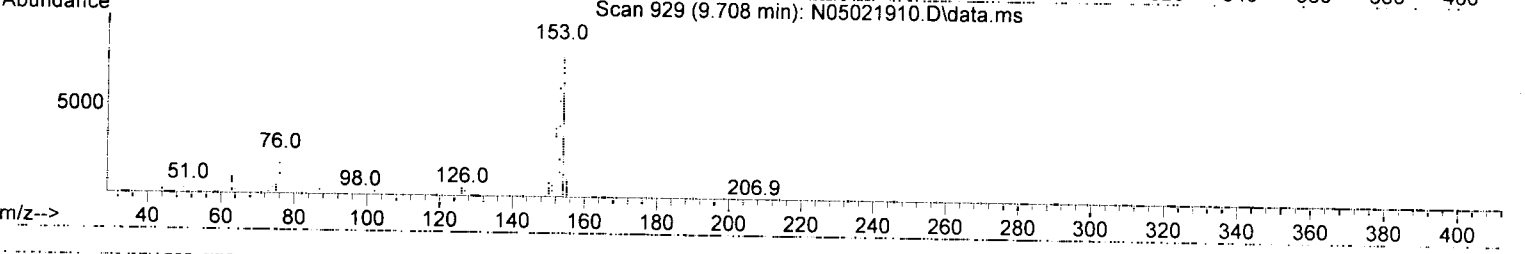
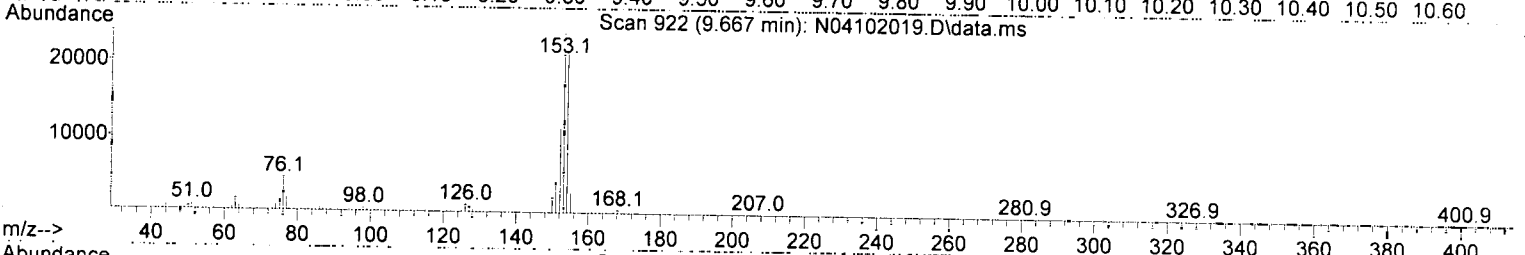
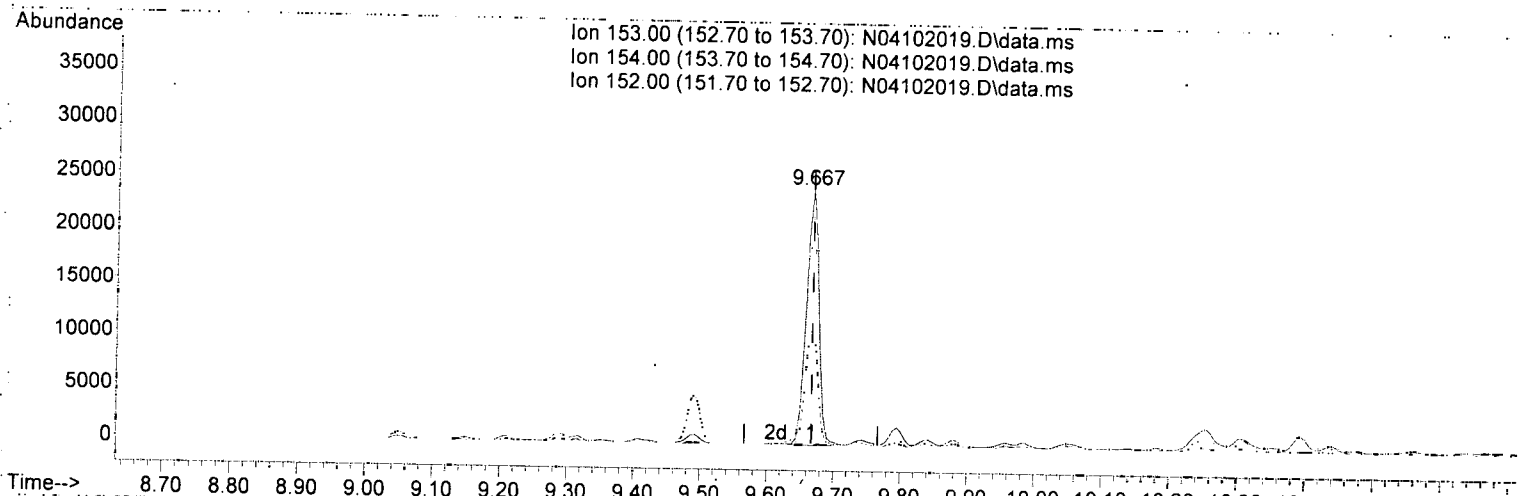
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 246271 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 153590 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 302899 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 323115 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 321378 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 265243 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 209 | 0.27 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 528 | 0.22 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 1409 | 0.45 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 5961 | 2.22 | ng/ml | 97 | |
| 5) 2-Methylnaphthalene | 8.582 | 142 | 2165 | 1.20 | ng/ml | 94 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 965 | 0.54 | ng/ml | 99 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 905 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 5129 | 3.29 | ng/ml | 97 | |
| 11) Acenaphthylene | 9.492 | 152 | 6336 | 2.21 | ng/ml | 91 | |
| 12) Acenaphthene | 9.667 | 153 | 31545 | 15.01 | ng/ml | 99 | |
| 13) Dibenzofuran | 9.841 | 168 | 12909 | 5.08 | ng/ml | 96 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 4019 | 2.44 | ng/ml | 96 | |
| 15) Fluorene | 10.185 | 166 | 25530 | 12.64 | ng/ml | 99 | |
| 17) Dibenzothiopene | 11.036 | 184 | 17905 | 5.85 | ng/ml | 95 | |
| 18) Phenanthrene | 11.165 | 178 | 194298 | 55.73 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 36291 | 12.71 | ng/ml | 98 | |
| 20) Carbazole | 11.369 | 167 | 1517 | 0.62 | ng/ml | 82 | |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 14402 | 6.13 | ng/ml | 97 | |
| 22) Fluoranthene | 12.424 | 202 | 118160 | 34.39 | ng/ml | 96 | |
| 24) Pyrene | 12.715 | 202 | 138082 | 32.95 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 30683 | 9.16 | ng/ml | 80 | |
| 27) Chrysene | 14.953 | 228 | 36174 | 10.50 | ng/ml | 98 | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 25355 | 7.63 | ng/ml | 92 | |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 31747 | 9.59 | ng/ml | 90 | |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 36114 | 10.34 | ng/ml | 90 | MI-J |
| 32) Benzo(e)pyrene | 18.089 | 252 | 17429 | 5.02 | ng/ml | 97 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 24207 | 9.53 | ng/ml | 97 | |
| 34) Perylene | 18.404 | 252 | 6921 | 1.93 | ng/ml | 96 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 15627 | 5.42 | ng/ml | 83 | |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 2229 | 0.77 | ng/ml | 91 | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 18685 | 6.05 | ng/ml | 81 | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(12) Acenaphthene (T)

9.667min (-0.000) 15.01 ng/ml

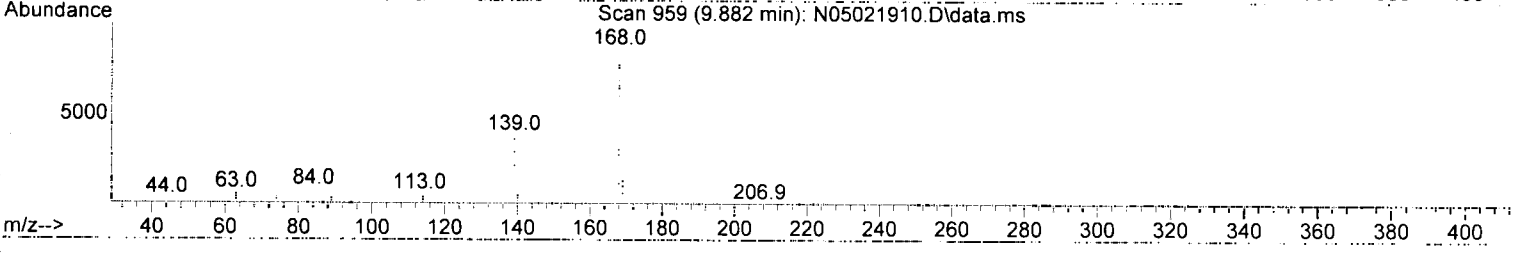
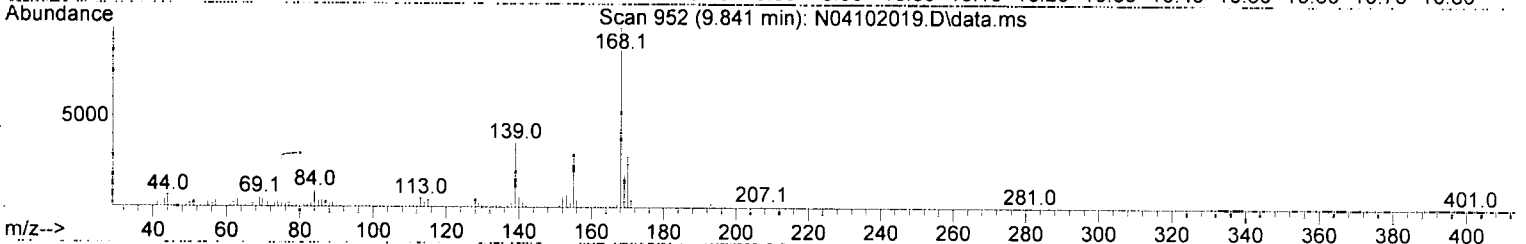
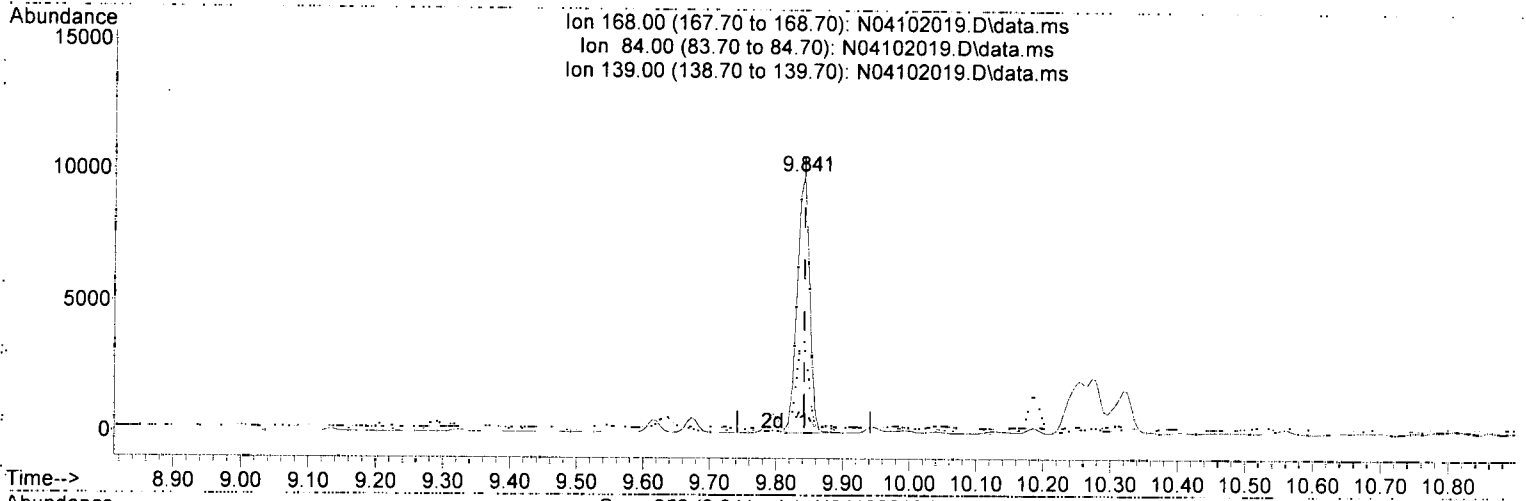
response 31545

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.06 |
| 152.00 | 46.80 | 47.19 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(13) Dibenzofuran (T)

9.841min (-0.000) 5.08 ng/ml

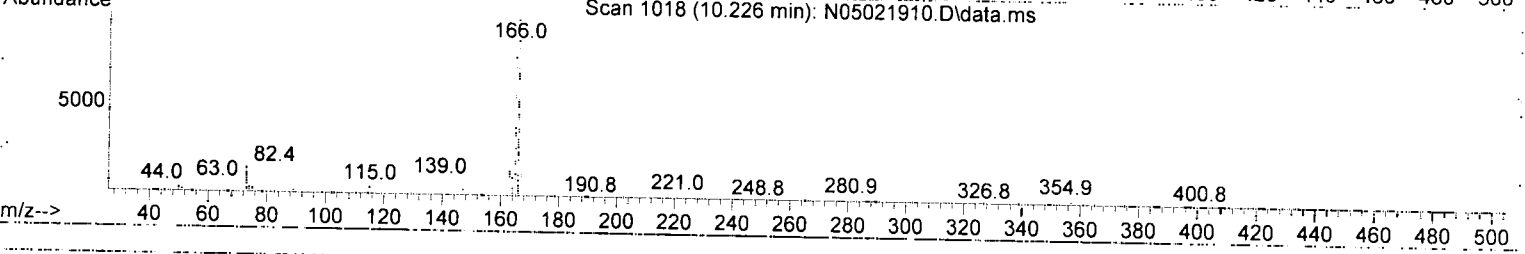
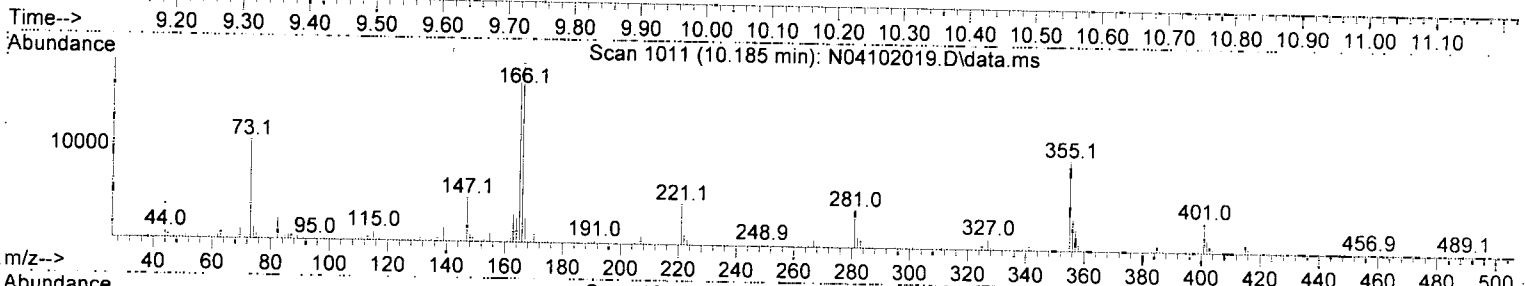
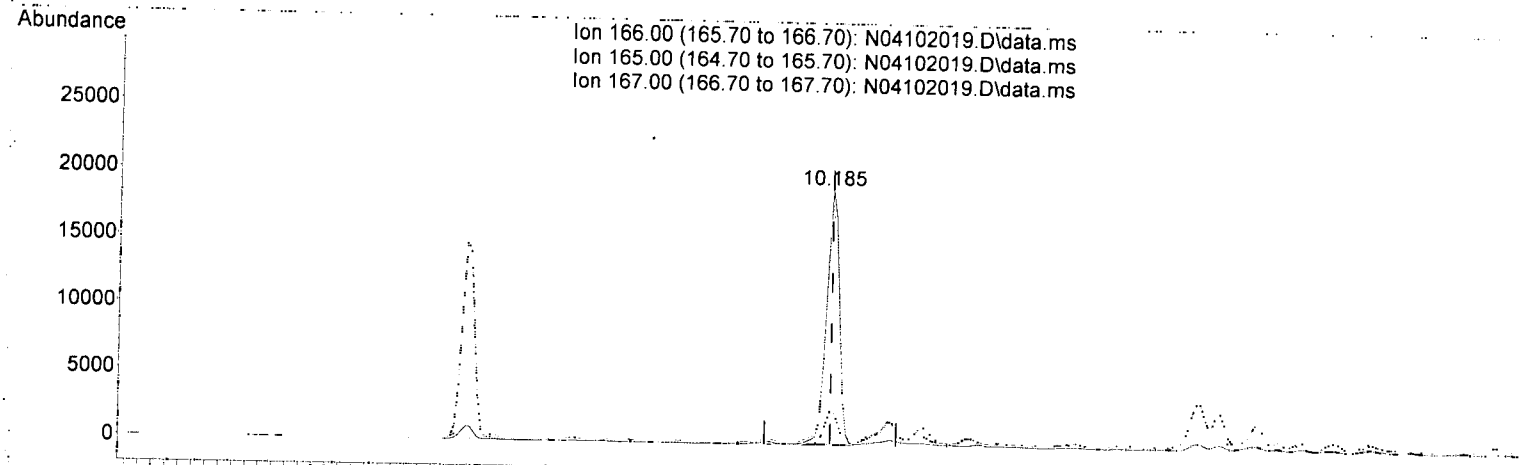
response 12909

| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 9.03 |
| 139.00 | 38.40 | 35.97 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(15) Fluorene (T)

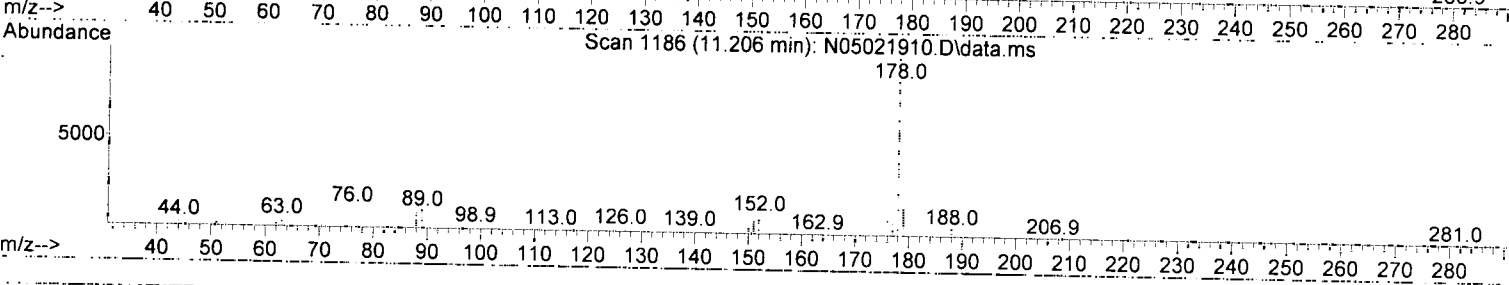
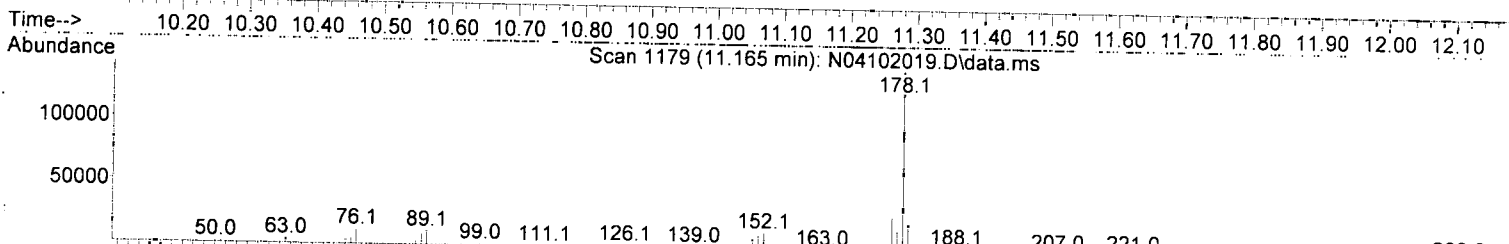
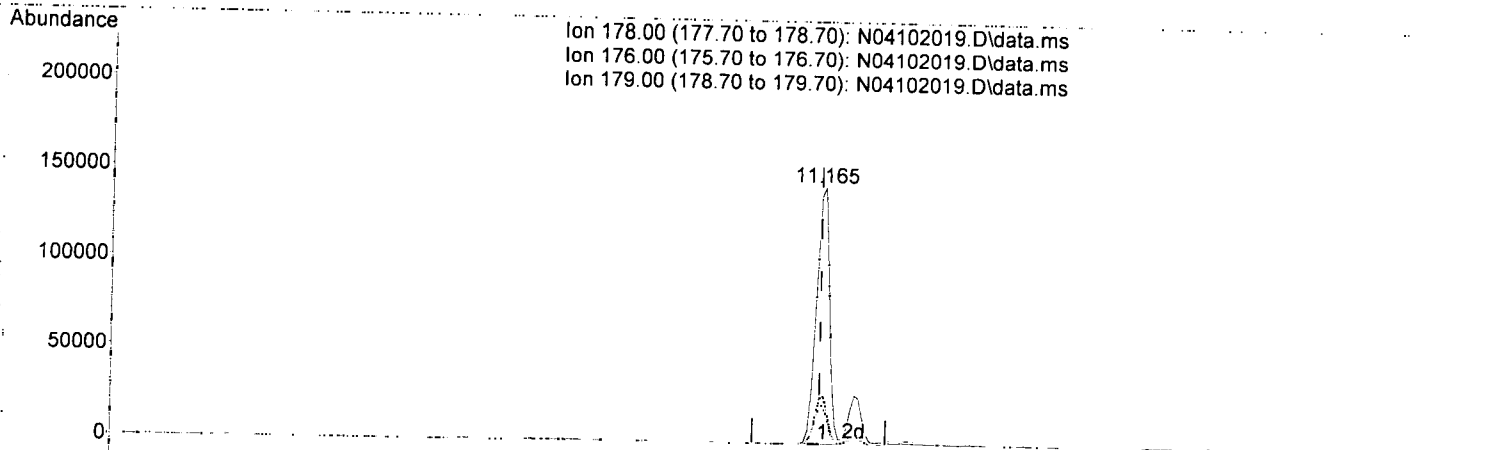
10.185min (-0.000) 12.64 ng/ml

| response | Exp% | Act% |
|----------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 94.34 |
| 167.00 | 13.60 | 14.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(18) Phenanthrene (T)

11.165min (+ 0.006) 55.73 ng/ml

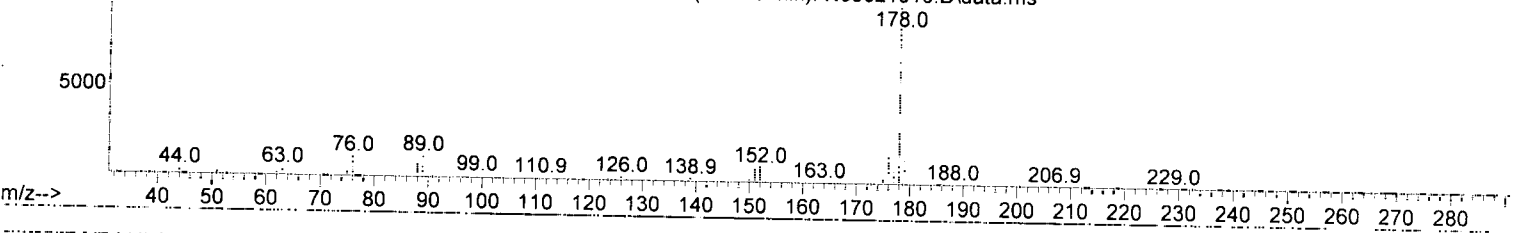
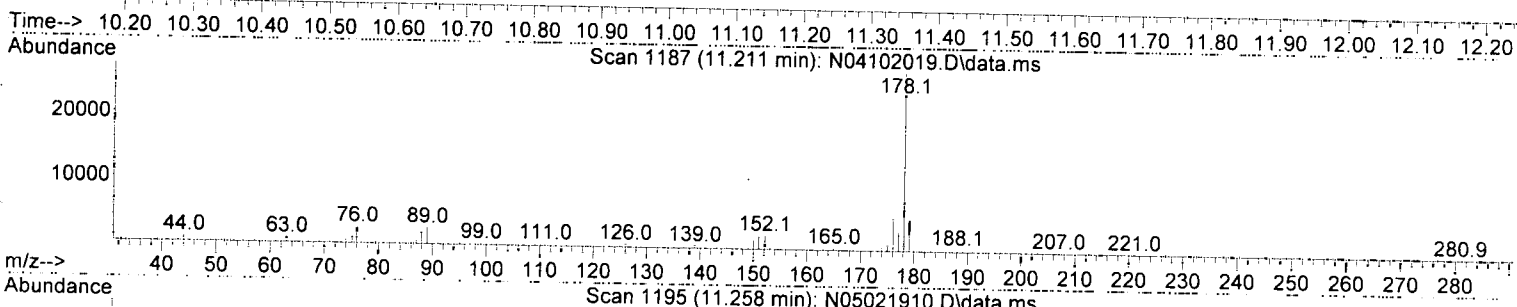
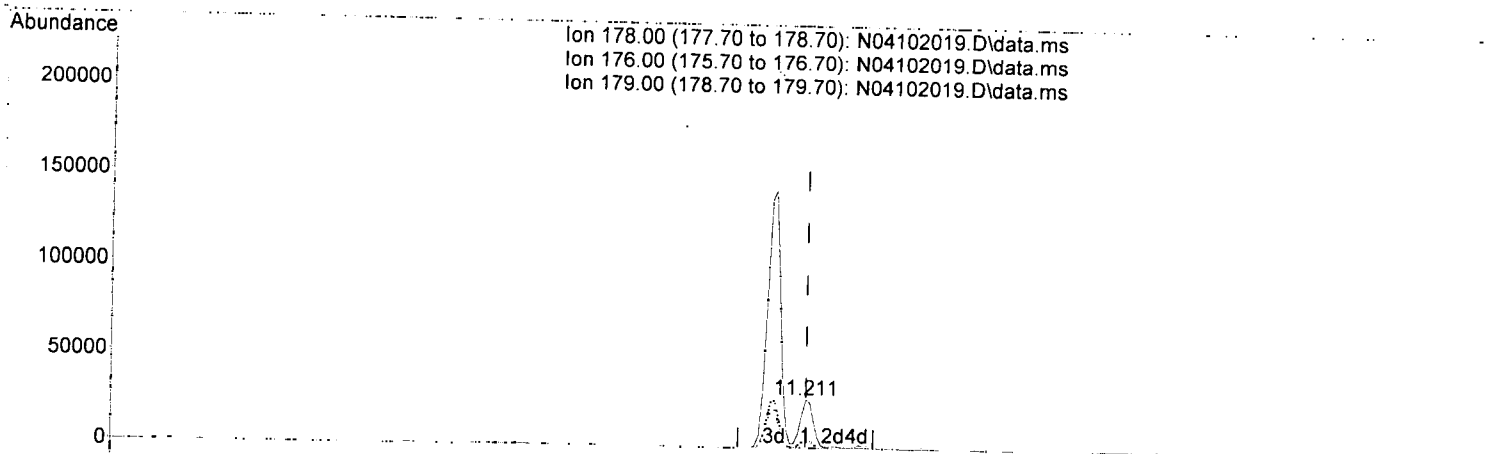
response 194298

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.69 |
| 179.00 | 15.10 | 15.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38.2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(19) Anthracene (T)

11.211min (-0.000) 12.71 ng/ml

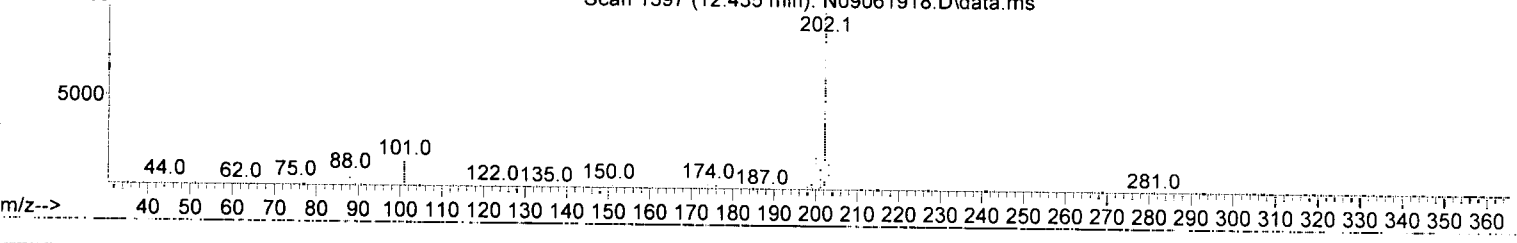
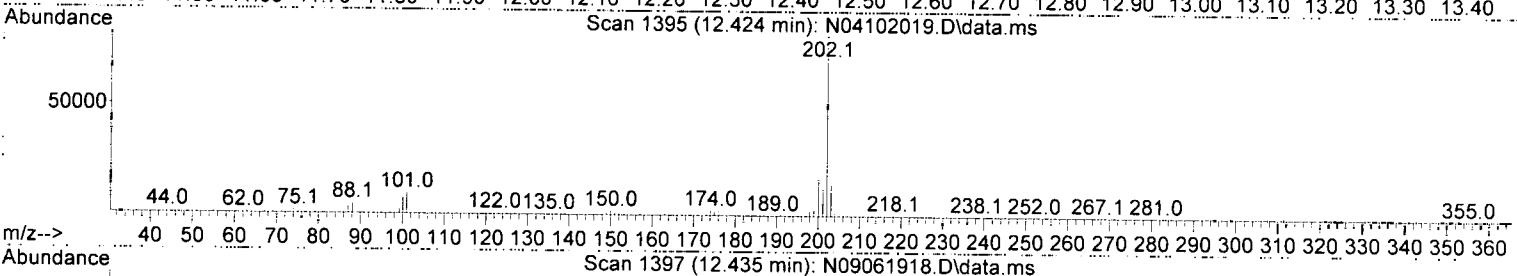
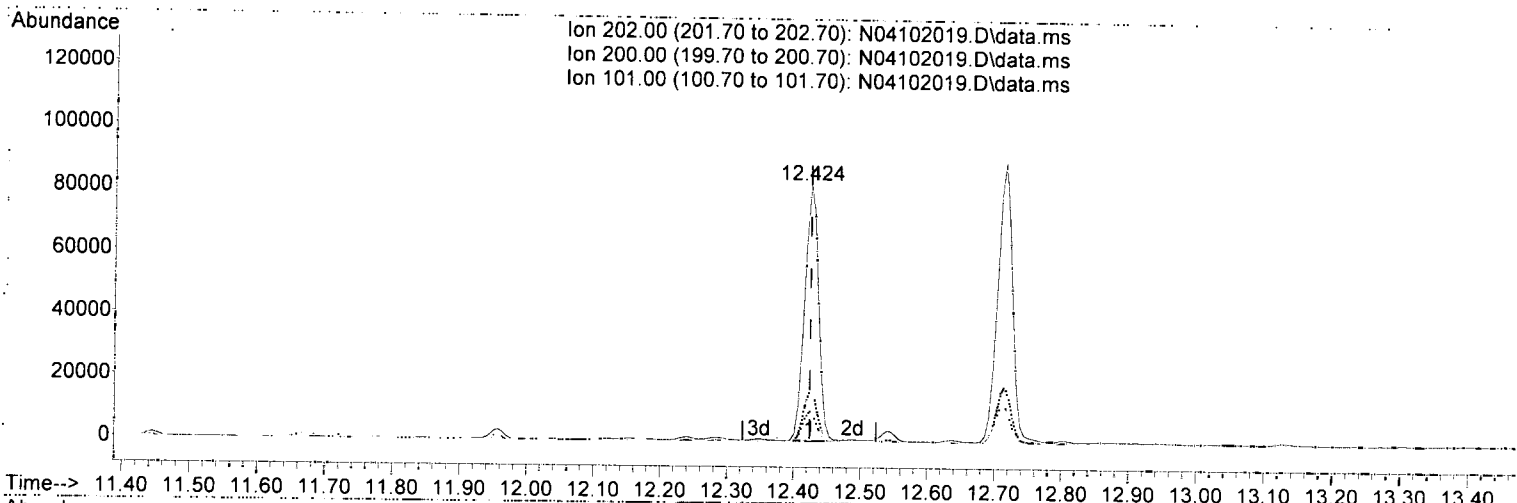
response 36291

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.32 |
| 179.00 | 15.30 | 16.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(22) Fluoranthene (T)

12.424min (-0.000) 34.39 ng/ml

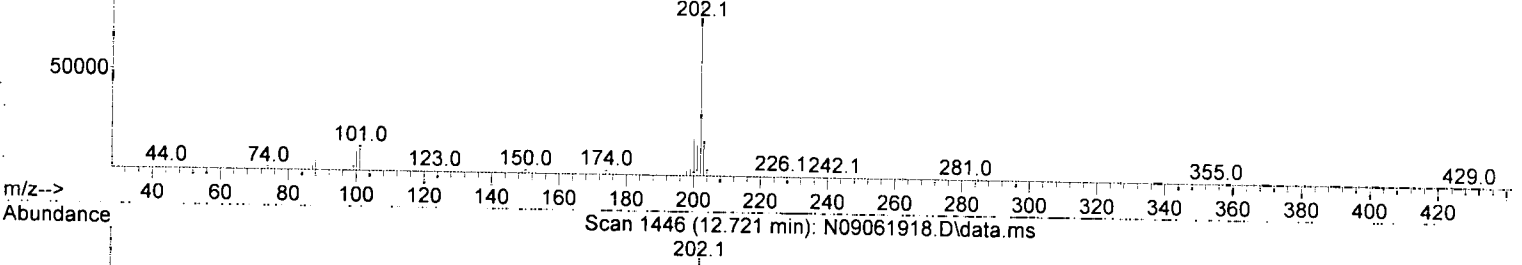
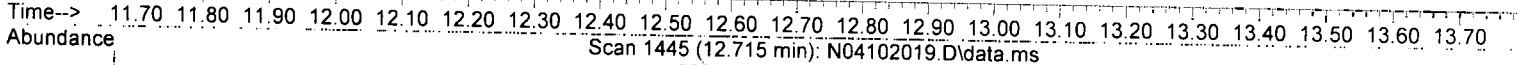
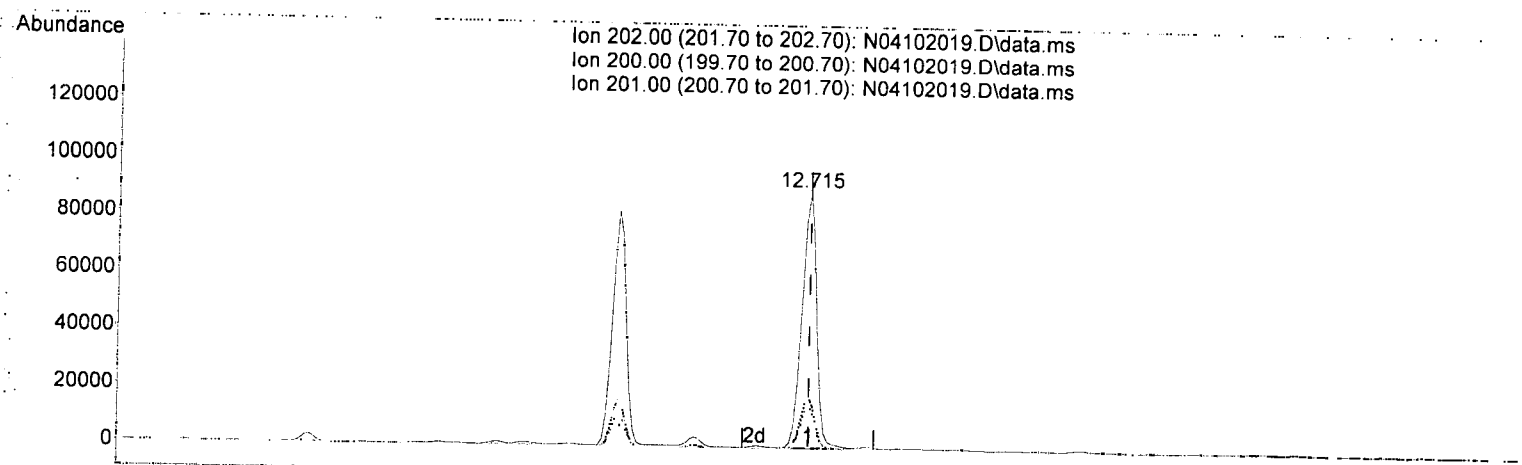
response 118160

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 20.03 |
| 101.00 | 15.30 | 11.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(24) Pyrene (T)

12.715min (-0.000) 32.95 ng/ml

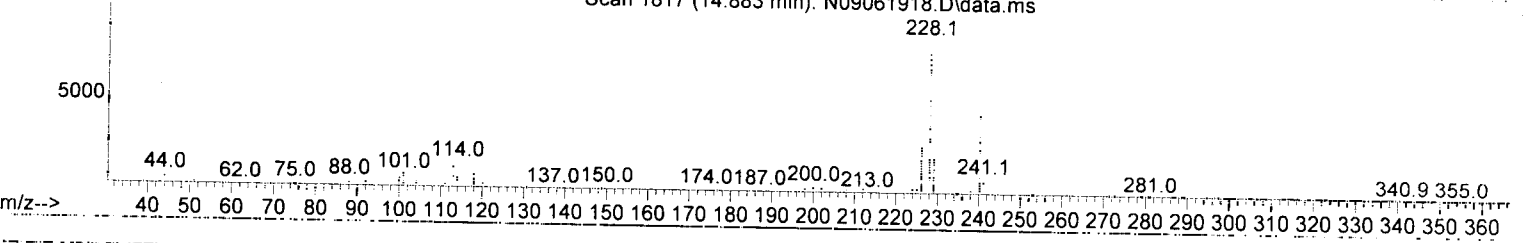
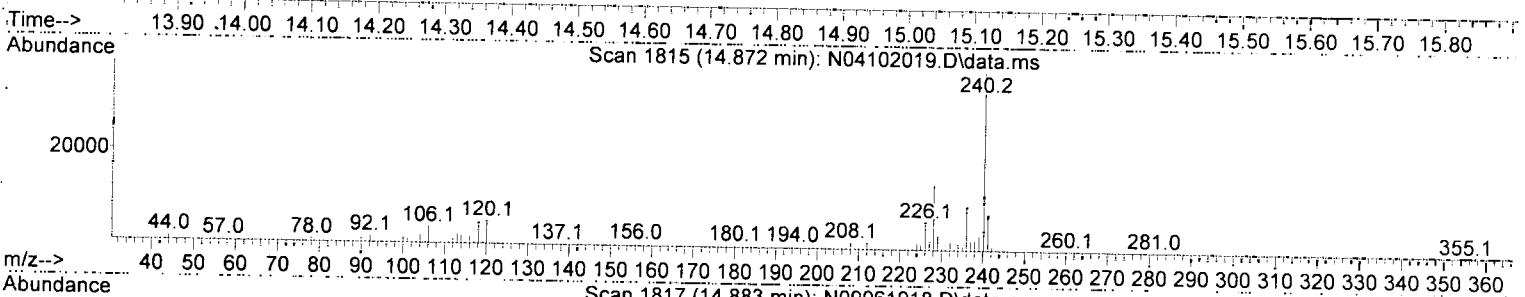
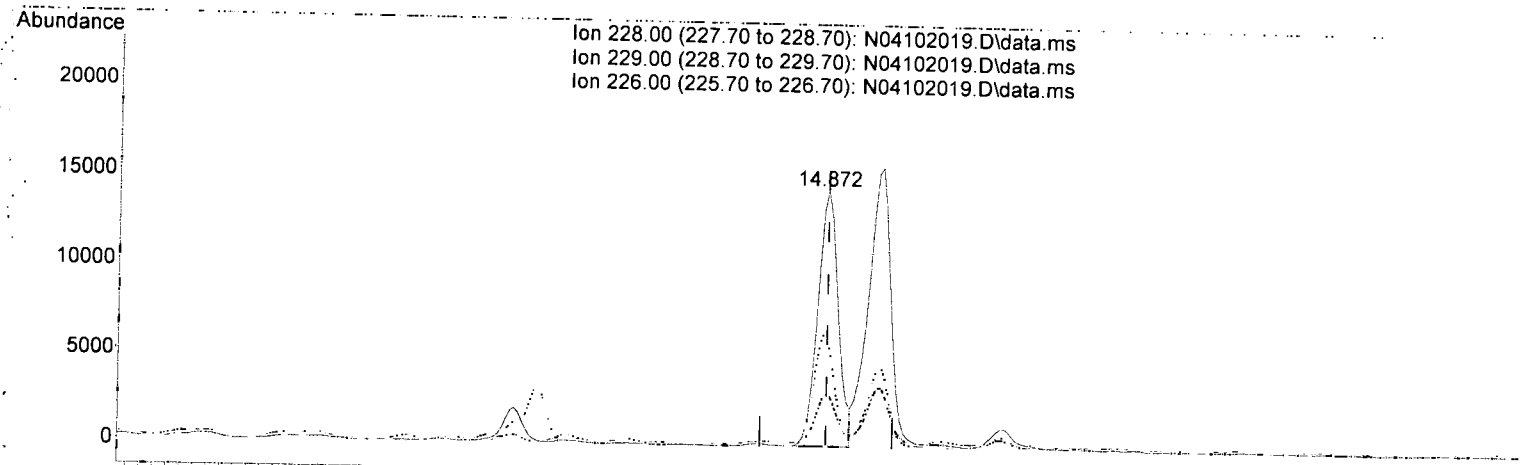
response 138082

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.13 |
| 201.00 | 16.80 | 17.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(26) Benz(a)anthracene (T)

14.872min (-0.000) 9.16 ng/ml

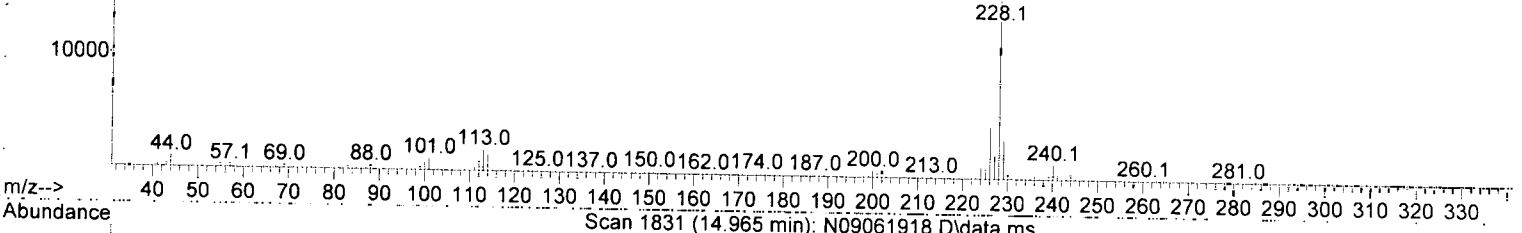
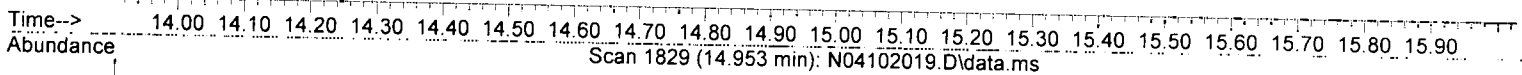
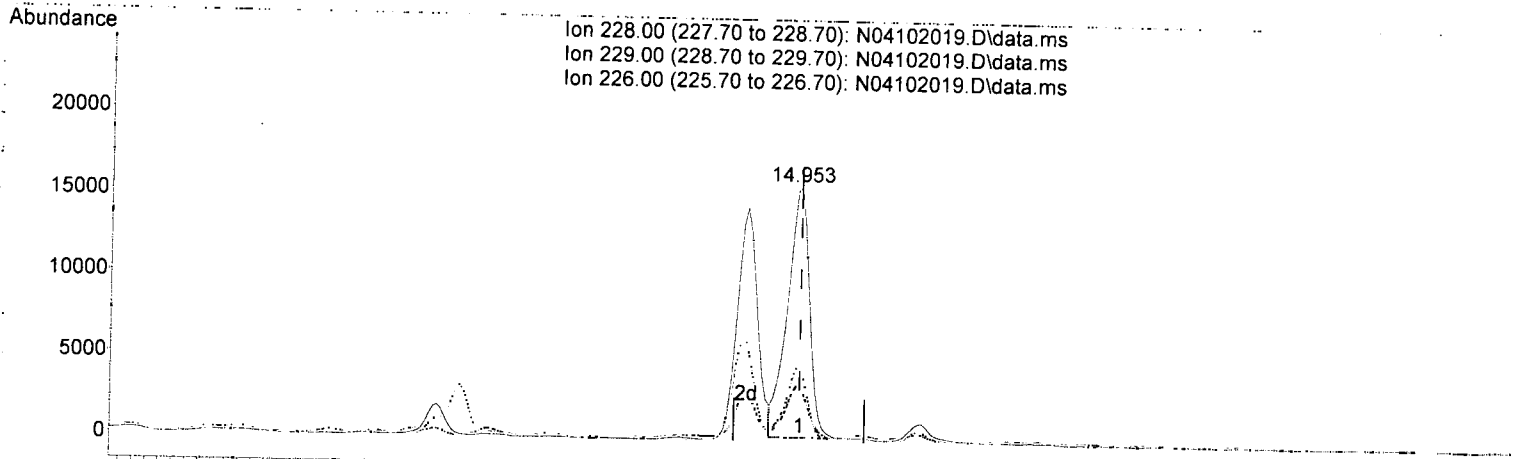
response 30683

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 21.44 |
| 226.00 | 26.20 | 42.40 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(27) Chrysene (T)

14.953min (-0.000) 10.50 ng/ml

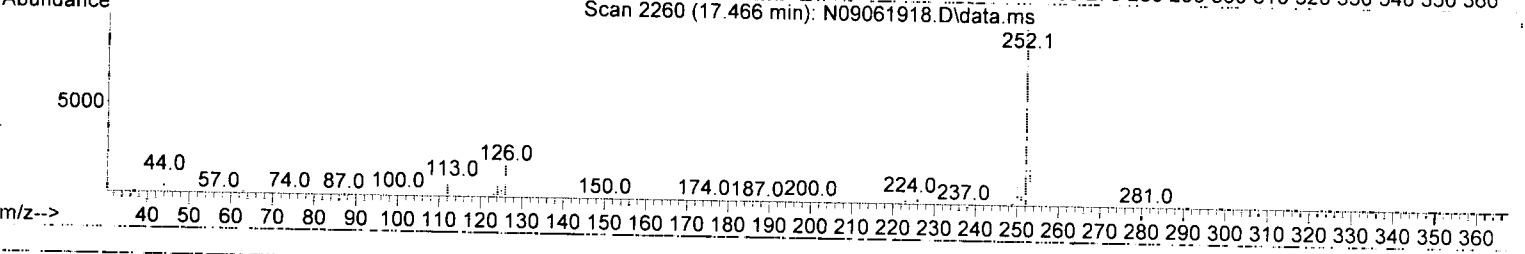
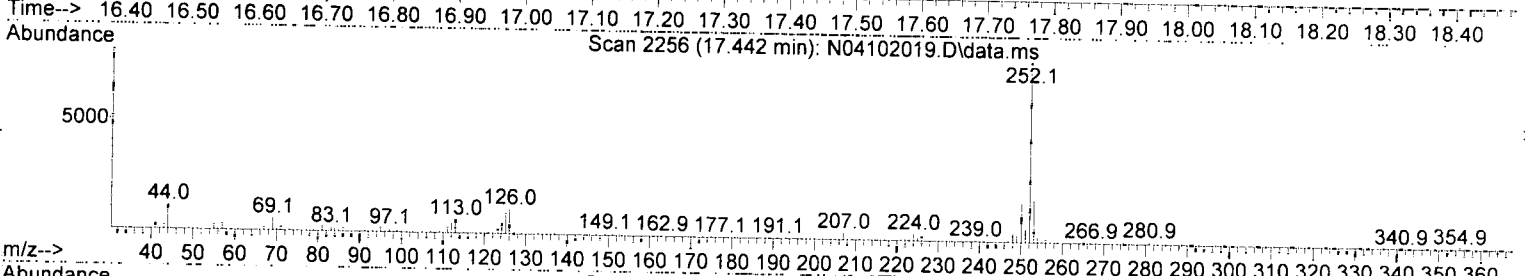
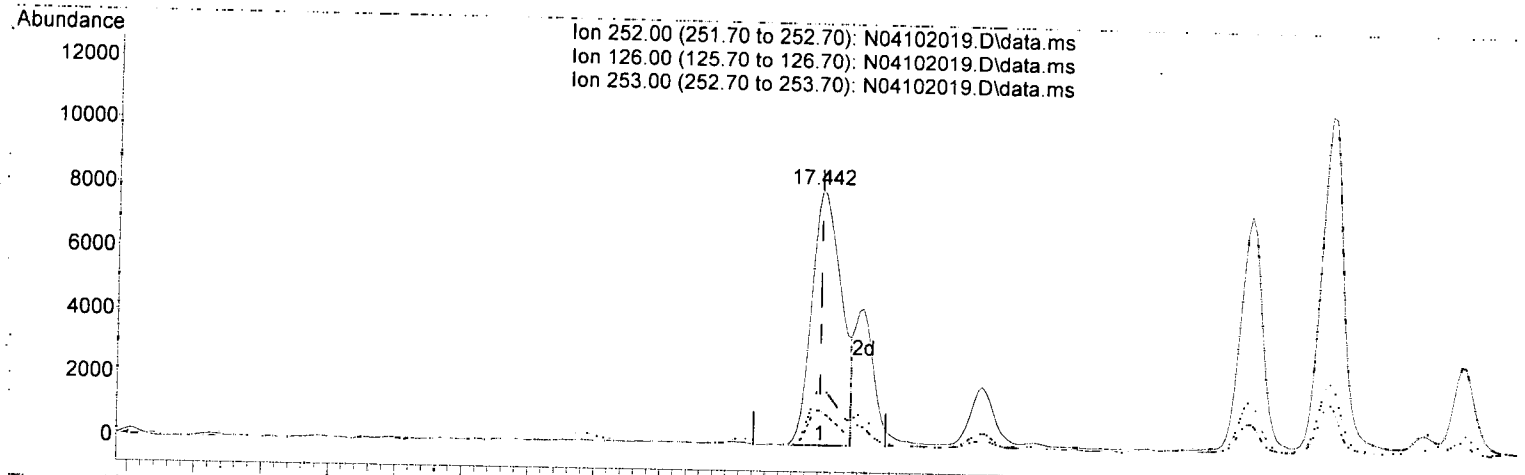
response 36174

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.55 |
| 226.00 | 28.60 | 28.92 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(29) Benzo (b)fluoranthene (T)

17.442min (-0.000) 7.63 ng/ml

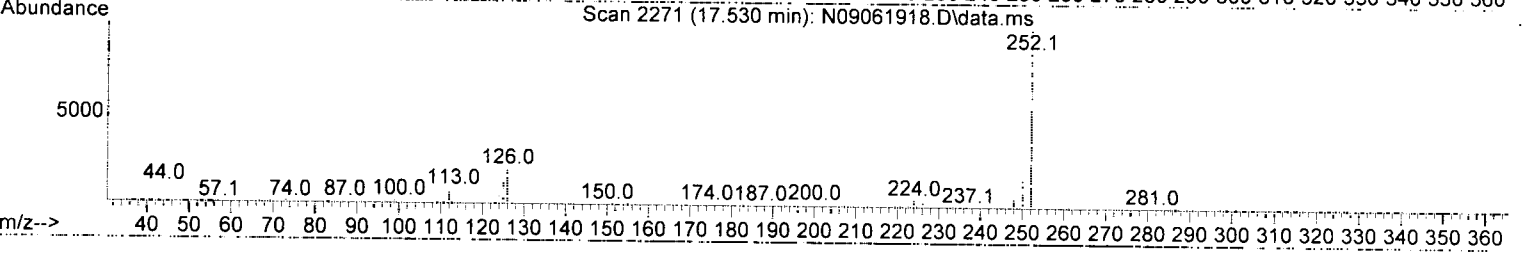
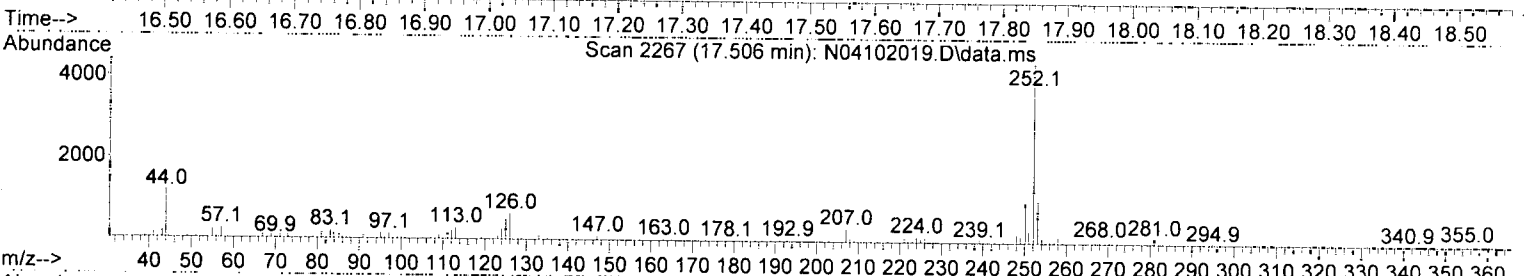
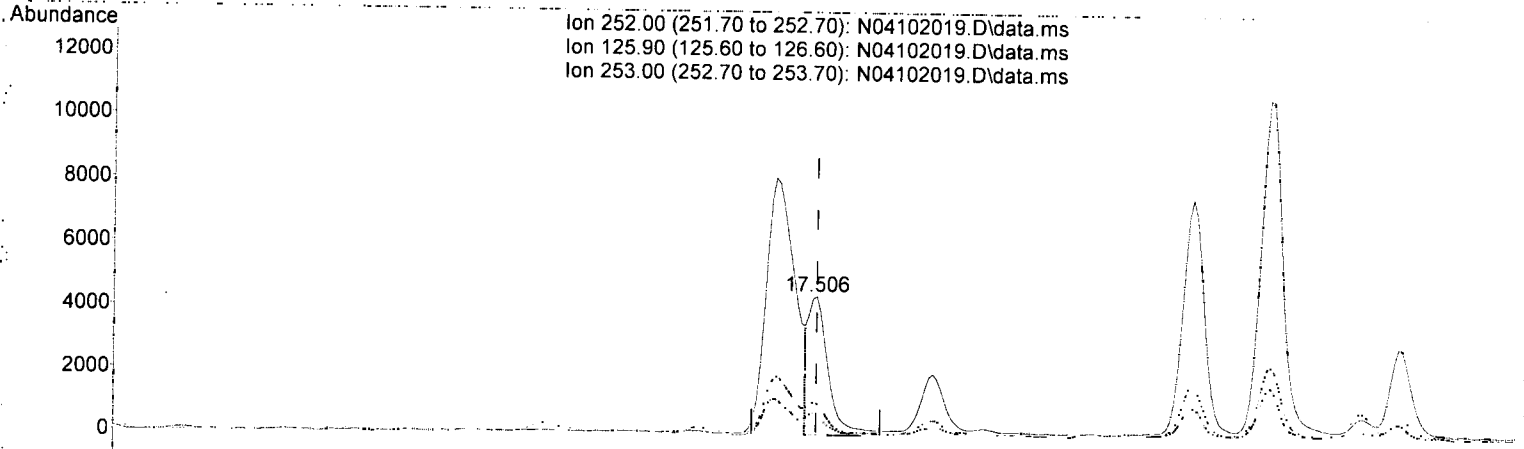
response 25355

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 13.99 |
| 253.00 | 21.10 | 22.80 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.506min (-0.000) 2.78 ng/ml

response 9200

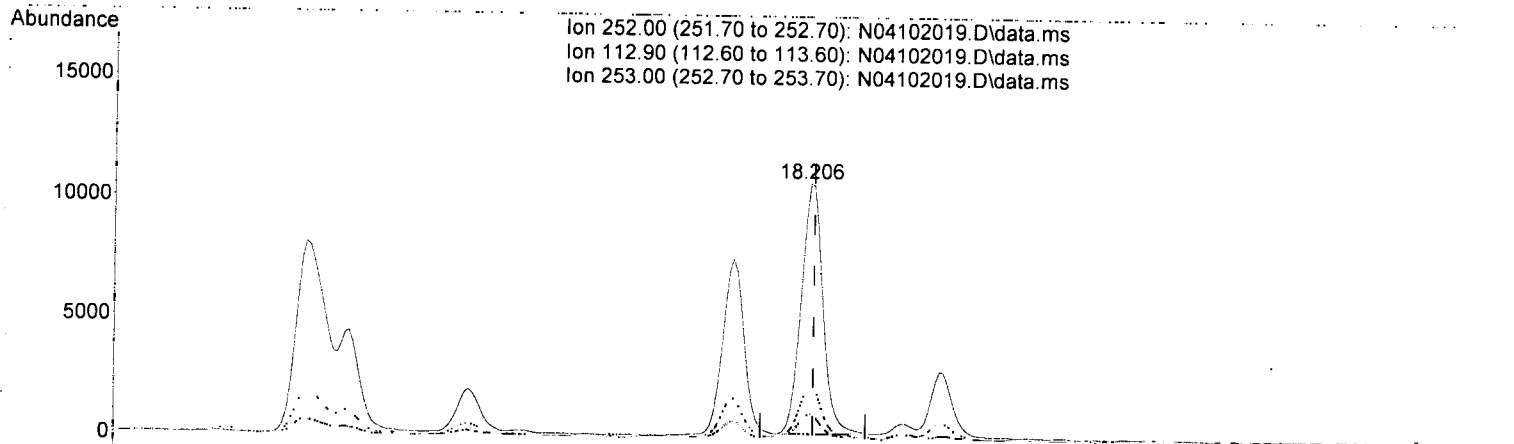
| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 14.87 |
| 253.00 | 21.50 | 22.98 |
| 0.00 | 0.00 | 0.00 |

AMS
4/13/20

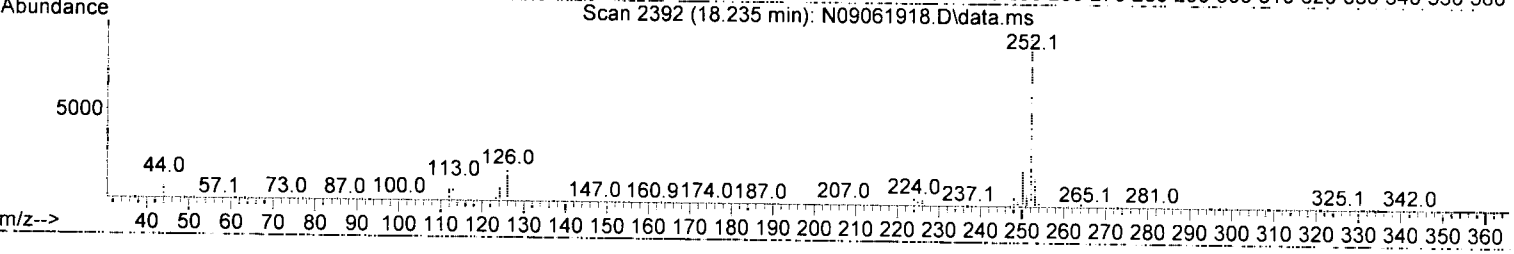
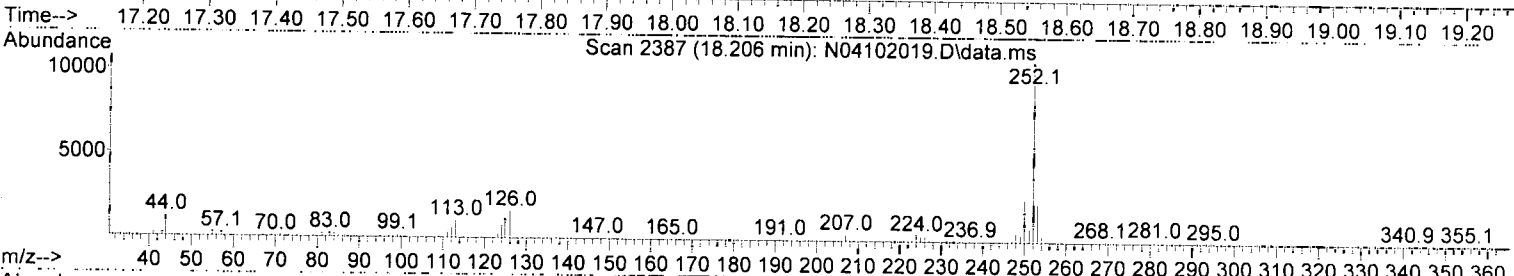
Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Ion 252.00 (251.70 to 252.70): N04102019.D\data.ms
 Ion 112.90 (112.60 to 113.60): N04102019.D\data.ms
 Ion 253.00 (252.70 to 253.70): N04102019.D\data.ms



TIC: N04102019.D\data.ms

(33) Benzo(a)pyrene (T)

18.206min (-0.006) 9.53 ng/ml

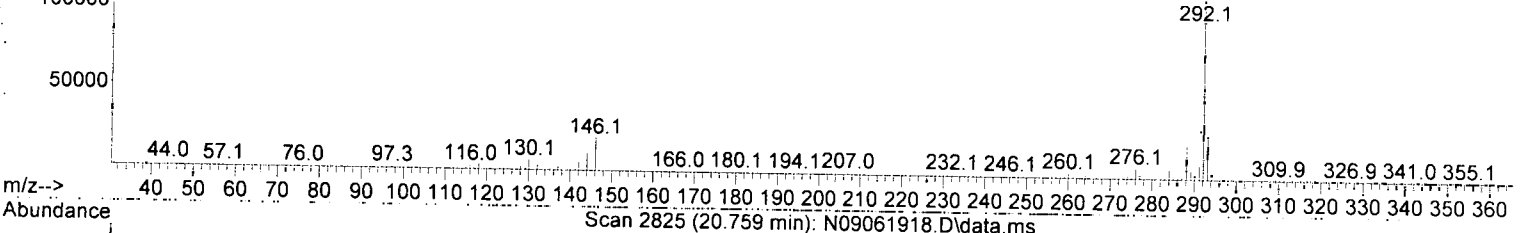
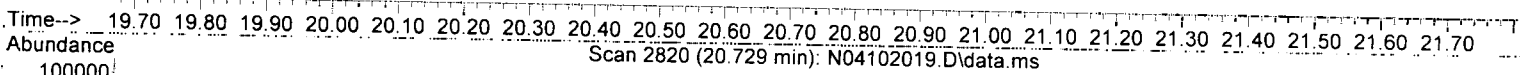
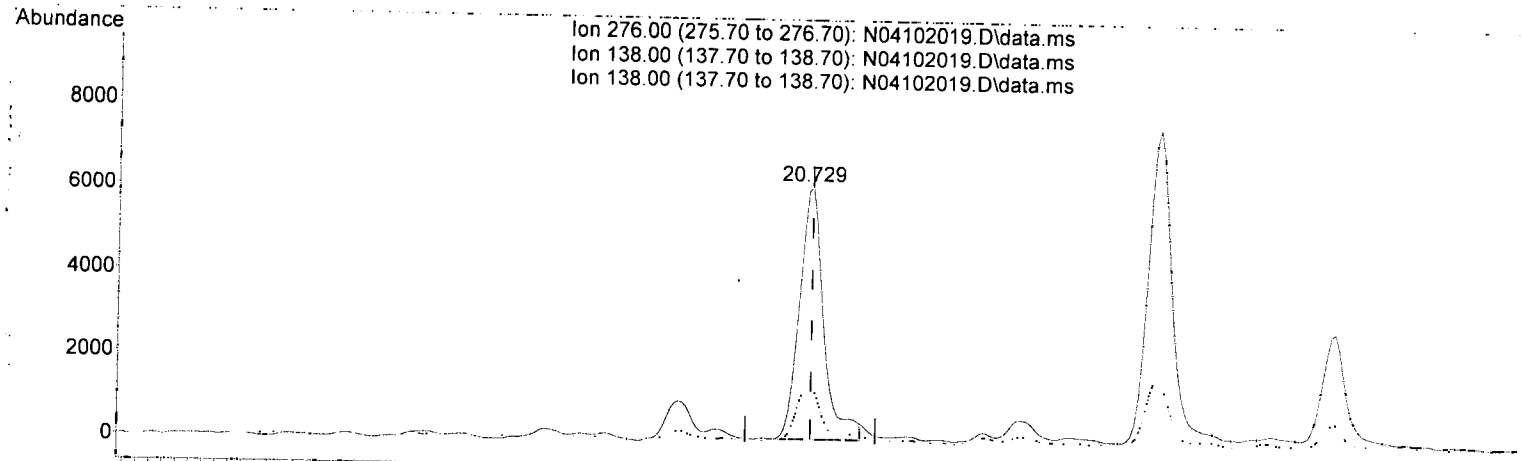
response 24207

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 9.81 |
| 253.00 | 21.90 | 21.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

20.729min (-0.000) 5.42 ng/ml

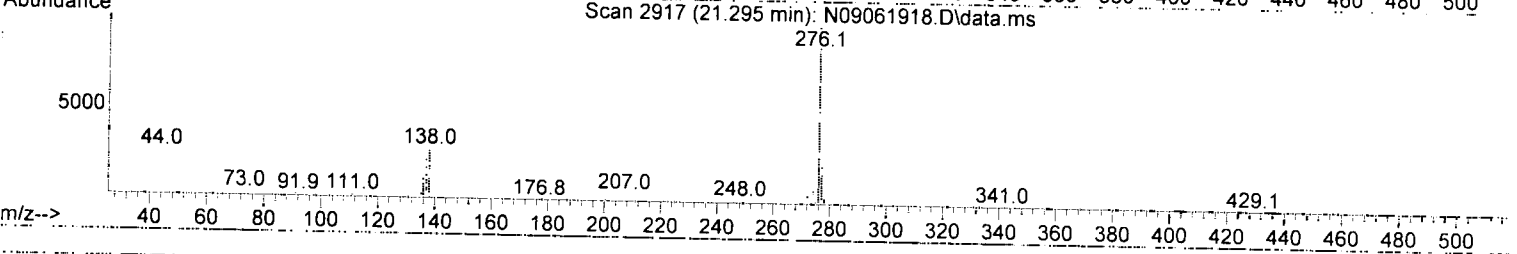
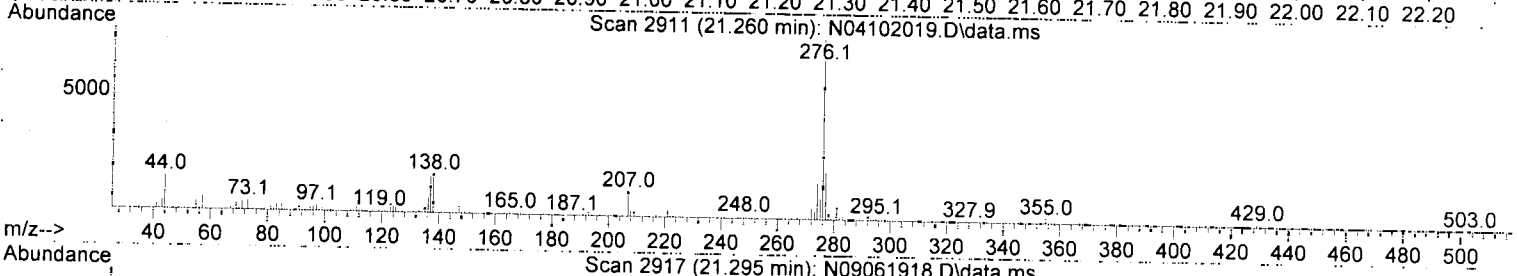
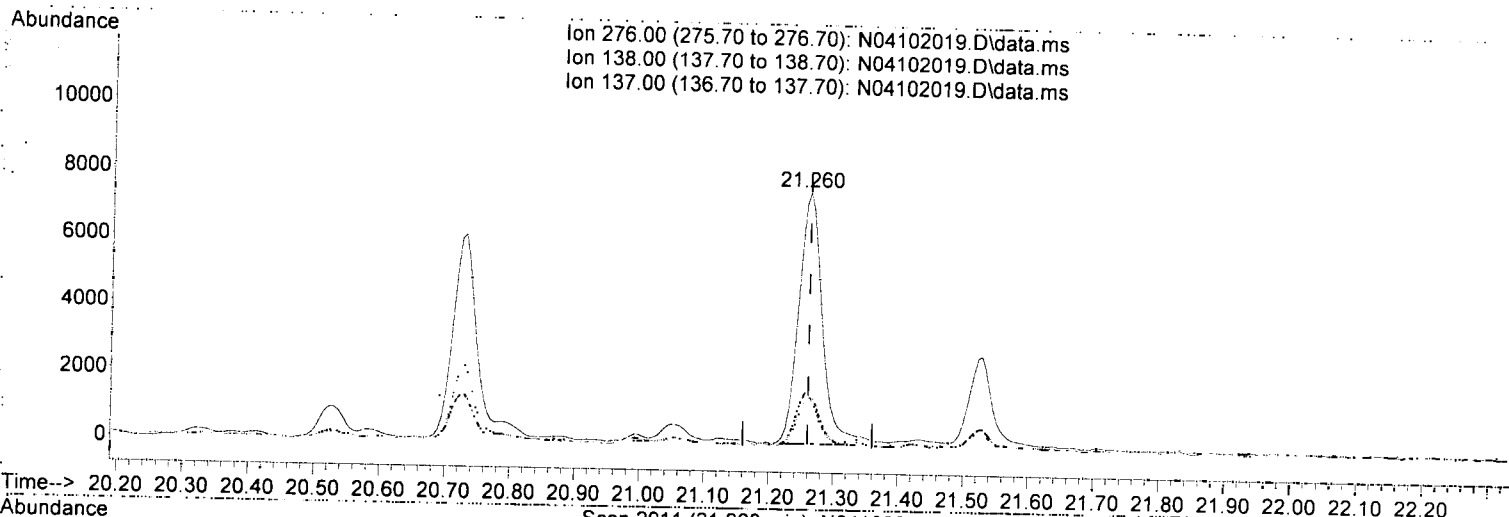
response 15627

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 22.36 |
| 138.00 | 31.60 | 22.36 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102019.D\data.ms

(38) Benzo(g,h,i)perylene (T)

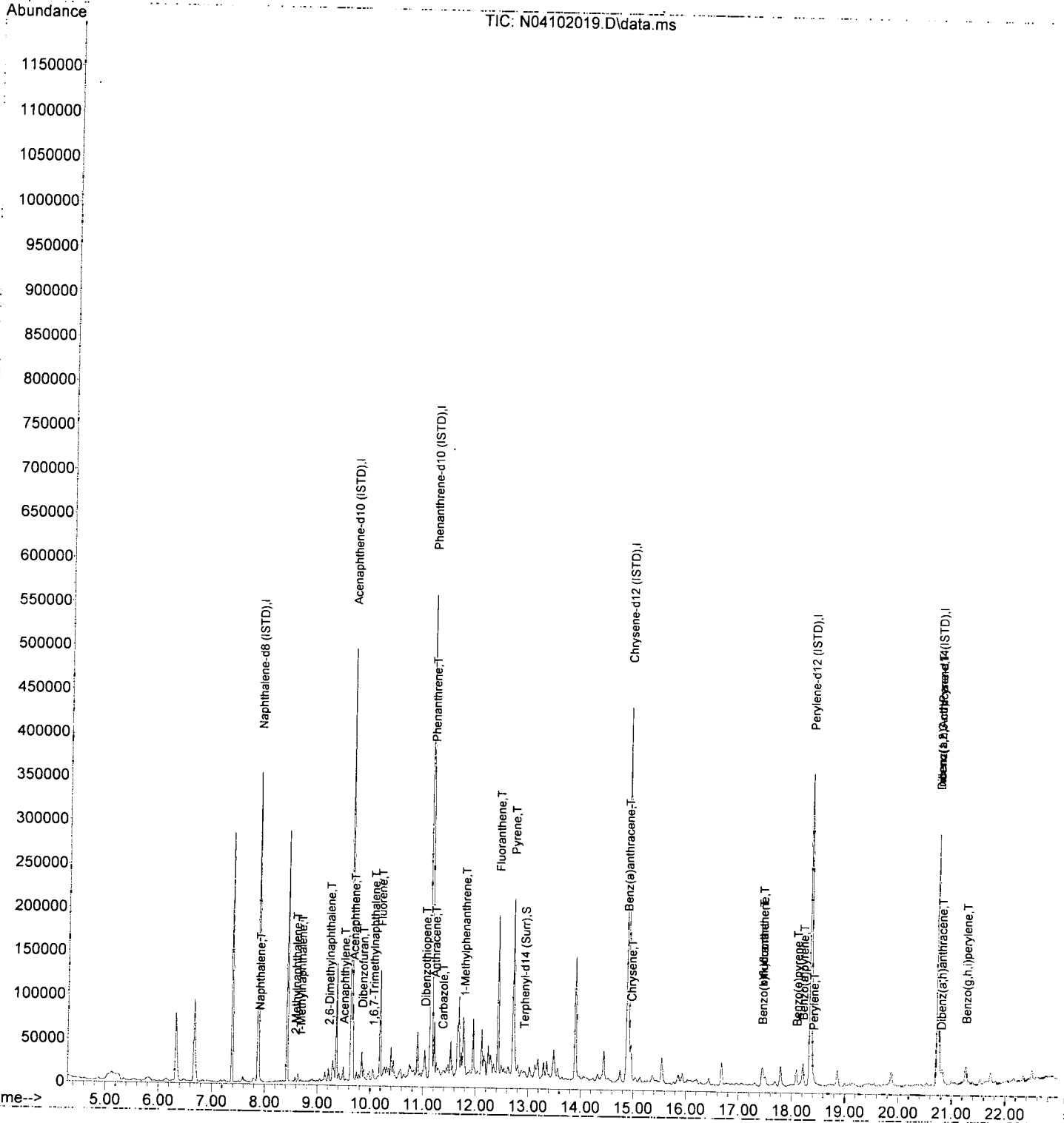
21.260min (-0.000) 6.05 ng/ml

response 18685

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 21.73 |
| 137.00 | 28.60 | 20.25 |
| 0.00 | 0.00 | 0.00 |

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102019.D
 Acq On : 10 Apr 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-01@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102020.D
 Acq On : 10 Apr 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:26 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
 4/13/20

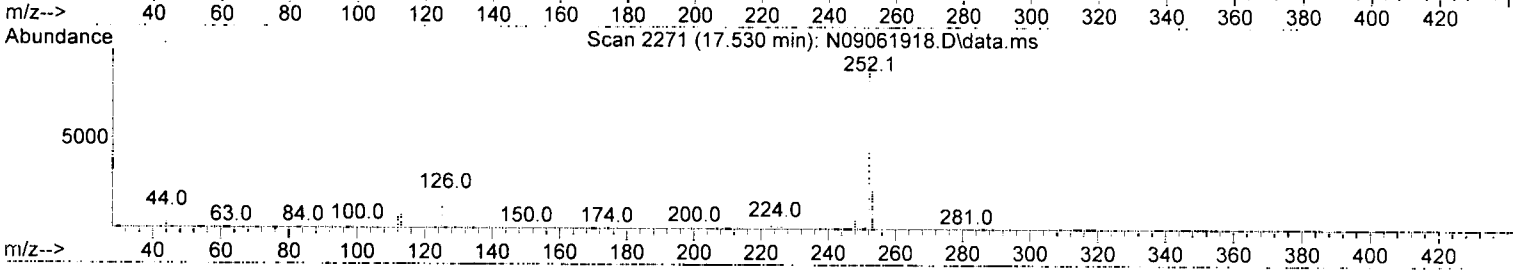
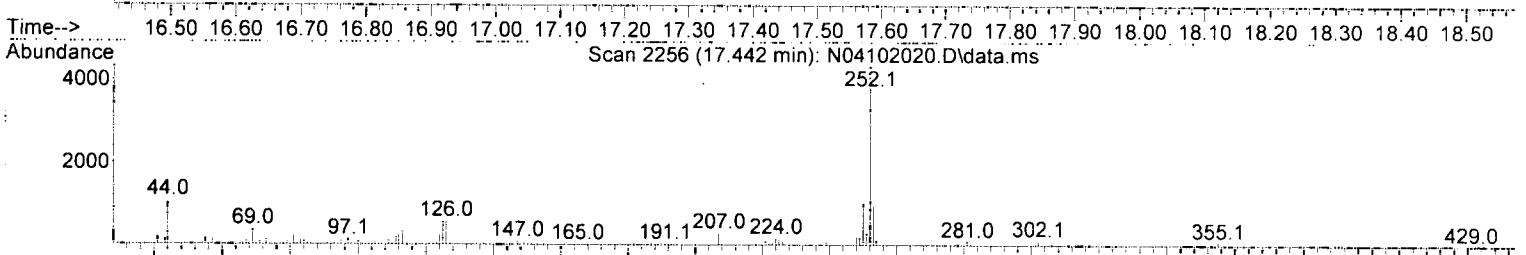
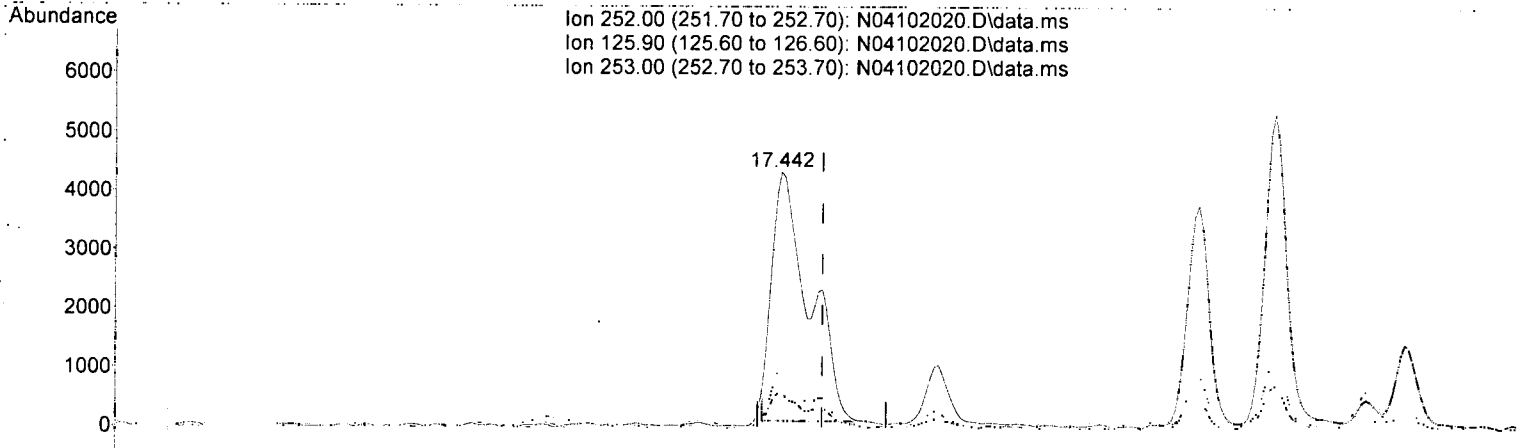
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 267426 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 158487 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 293285 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 258289 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.346 | 264 | 254877 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 196422 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 172 | 0.21 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 396 | 0.16 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 777 | 0.31 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 4852 | 1.67 | ng/ml | 100 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 1697 | 0.87 | ng/ml | 95 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 883 | 0.45 | ng/ml | 99 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 663 | N.D. | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 3996 | 2.36 | ng/ml | 97 |
| 11) Acenaphthylene | 9.492 | 152 | 5304 | 1.79 | ng/ml | 96 |
| 12) Acenaphthene | 9.667 | 153 | 25374 | 11.70 | ng/ml | 100 |
| 13) Dibenzofuran | 9.836 | 168 | 11084 | 4.22 | ng/ml | 97 |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 2963 | 1.74 | ng/ml | 84 |
| 15) Fluorene | 10.185 | 166 | 19744 | 9.47 | ng/ml | 99 |
| 17) Dibenzothiopene | 11.031 | 184 | 13251 | 4.47 | ng/ml | 97 |
| 18) Phenanthrene | 11.159 | 178 | 146942 | 43.53 | ng/ml | 99 |
| 19) Anthracene | 11.211 | 178 | 26388 | 9.54 | ng/ml | 97 |
| 20) Carbazole | 11.369 | 167 | 841 | N.D. | | |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 9335 | 4.10 | ng/ml | 97 |
| 22) Fluoranthene | 12.424 | 202 | 81812 | 24.59 | ng/ml | 96 |
| 24) Pyrene | 12.715 | 202 | 94435 | 28.19 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 17758 | 6.63 | ng/ml | 82 |
| 27) Chrysene | 14.947 | 228 | 21660 | 7.86 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 13566 | 5.15 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 16975 | 6.46 | ng/ml | 90 |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 18949 | 6.84 | ng/ml | 90 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 8552 | 3.10 | ng/ml | 95 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 12107 | 6.13 | ng/ml | 96 |
| 34) Perylene | 18.404 | 252 | 3629 | 1.28 | ng/ml | 96 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 7473 | 3.50 | ng/ml | 89 |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 1113 | 0.52 | ng/ml | 90 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 9033 | 3.95 | ng/ml | 80 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102020.D
 Acq On : 10 Apr 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:26 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102020.D\data.ms

(30) Benzo(k)fluoranthene (T)

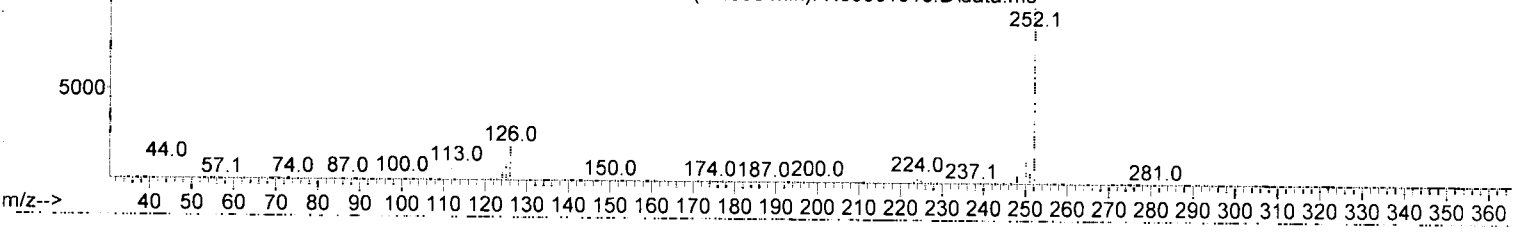
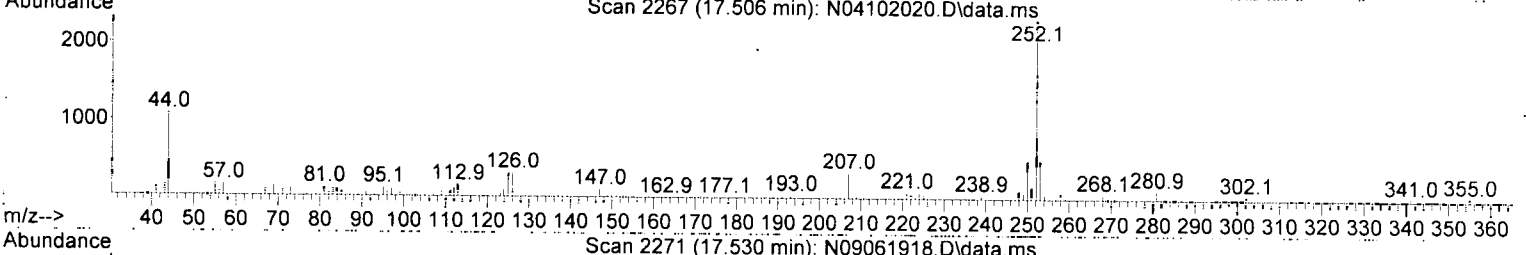
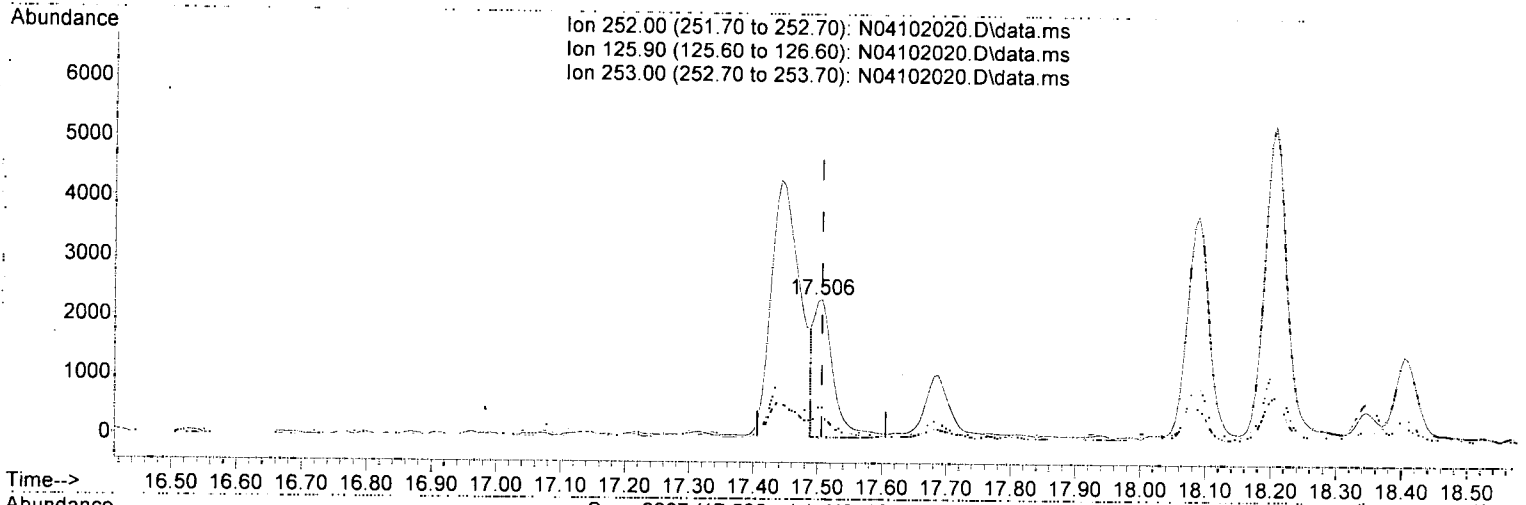
| | |
|--------------------|---------------|
| 17.442min (-0.064) | 6.46 ng/ml |
| response | 16975 |
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 125.90 | 22.10 13.34 |
| 253.00 | 21.50 22.44 |
| 0.00 | 0.00 0.00 |

AMS
4/13/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102020.D
 Acq On : 10 Apr 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-DUP1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:26 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102020.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.506min (-0.000) 1.78 ng/ml m

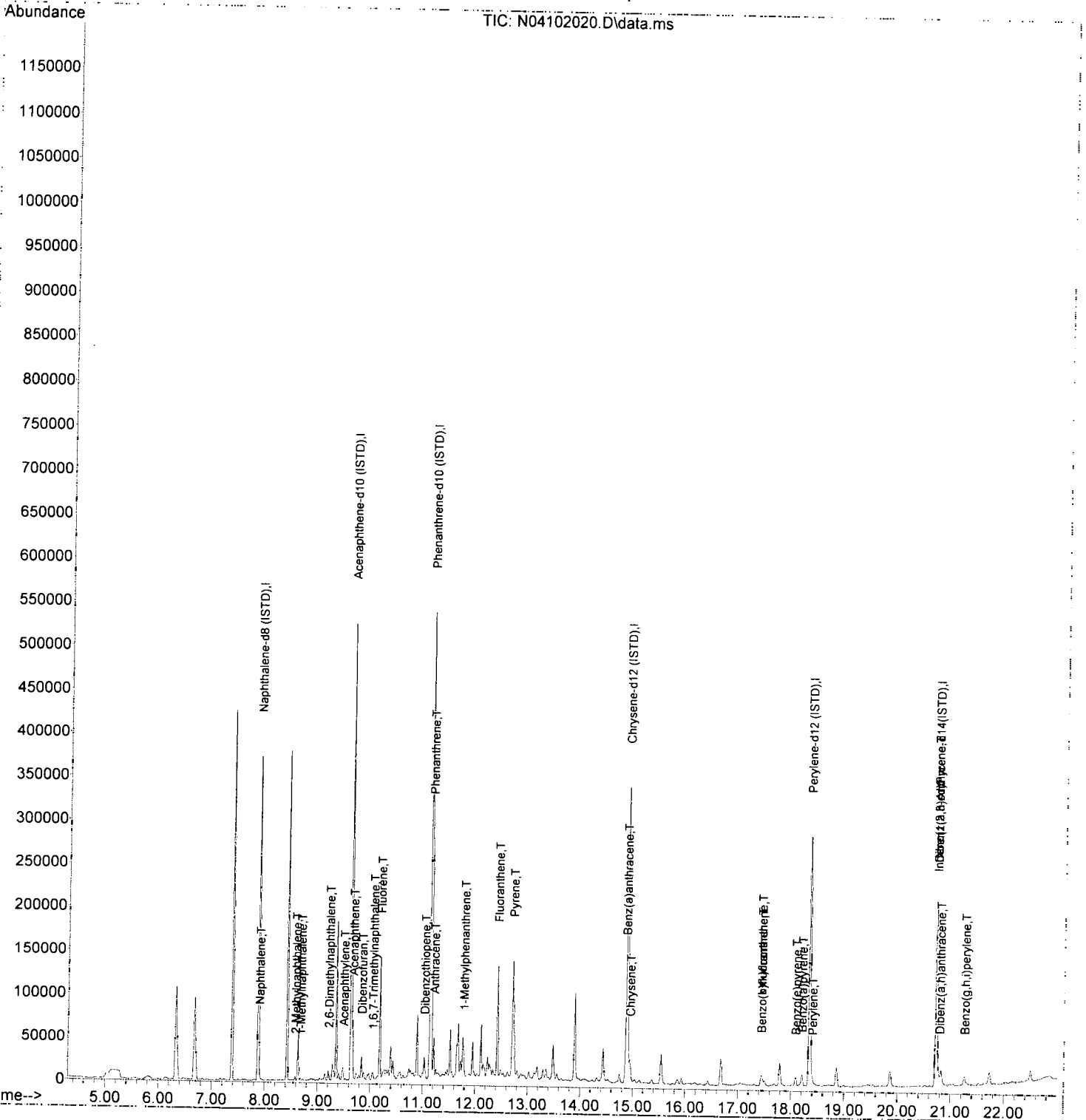
response 4678

OAMS
4/13/20

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 13.78 |
| 253.00 | 21.50 | 21.48 |
| 0.00 | 0.00 | 0.00 |

Data Path : U:\data\2020-04\0D10041\
Data File : N04102020.D
Acq On : 10 Apr 2020 09:11 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-DUP1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:26 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102021.D
 Acq On : 10 Apr 2020 09:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
4/13/20

Quant Time: Apr 13 09:30:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

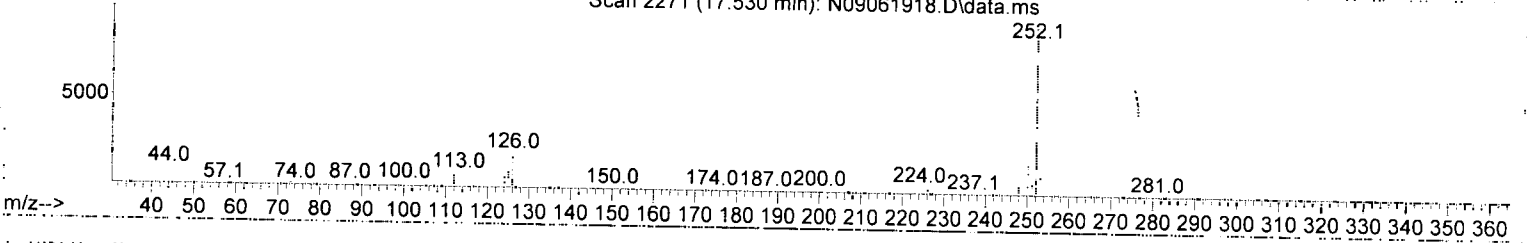
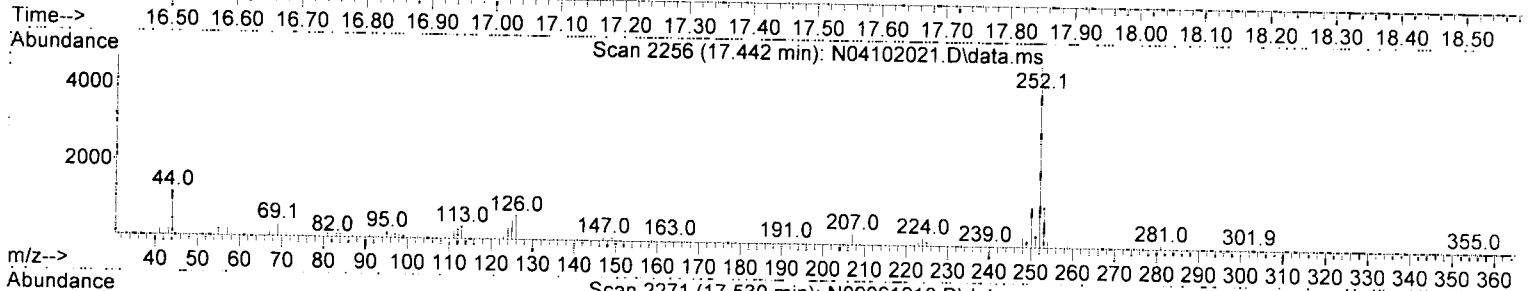
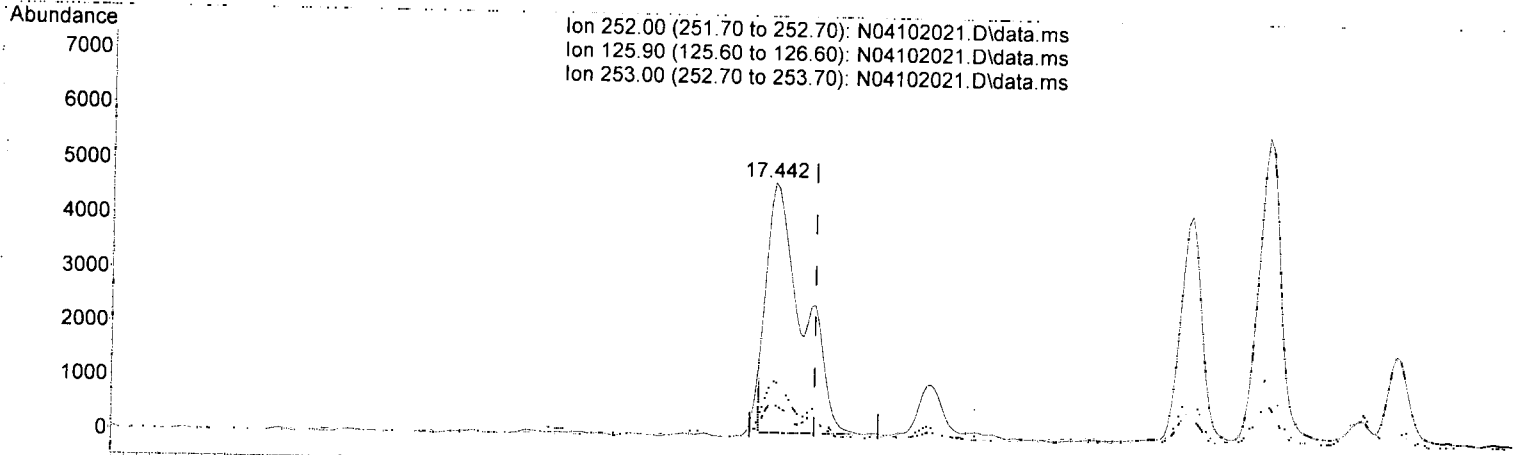
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 265304 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 163525 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 304571 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 283790 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 280349 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 231605 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 187 | 0.23 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 458 | 0.18 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 740 | 0.27 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 7297 | 2.53 | ng/ml | 98 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 2318 | 1.19 | ng/ml | 96 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 1144 | 0.59 | ng/ml | 97 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 908 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 4507 | 2.69 | ng/ml | 93 | |
| 11) Acenaphthylene | 9.492 | 152 | 5270 | 1.73 | ng/ml | 96 | |
| 12) Acenaphthene | 9.667 | 153 | 27892 | 12.47 | ng/ml | 98 | |
| 13) Dibenzofuran | 9.842 | 168 | 12195 | 4.50 | ng/ml | 96 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 3260 | 1.86 | ng/ml | 92 | |
| 15) Fluorene | 10.185 | 166 | 21678 | 10.08 | ng/ml | 98 | |
| 17) Dibenzothiopene | 11.031 | 184 | 14496 | 4.71 | ng/ml | 95 | |
| 18) Phenanthrene | 11.165 | 178 | 158024 | 45.08 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 31996 | 11.14 | ng/ml | 97 | |
| 20) Carbazole | 11.369 | 167 | 1422 | 0.57 | ng/ml | 88 | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 10156 | 4.30 | ng/ml | 94 | |
| 22) Fluoranthene | 12.424 | 202 | 86981 | 25.17 | ng/ml | 96 | |
| 24) Pyrene | 12.715 | 202 | 99479 | 27.03 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 18713 | 6.36 | ng/ml | 83 | |
| 27) Chrysene | 14.947 | 228 | 22804 | 7.53 | ng/ml | 97 | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 14687 | 5.07 | ng/ml | 92 | |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 17812 | 6.17 | ng/ml | 90 | MS-NJ |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 20888 | 6.85 | ng/ml | 90 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 9706 | 3.20 | ng/ml | 98 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 13051 | 6.02 | ng/ml | 97 | |
| 34) Perylene | 18.404 | 252 | 4161 | 1.33 | ng/ml | 95 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 8487 | 3.37 | ng/ml | 87 | |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 1332 | 0.53 | ng/ml | 92 | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 10142 | 3.76 | ng/ml | 81 | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102021.D
 Acq On : 10 Apr 2020 09:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



(30) Benzo(k)fluoranthene (T)

17.442min (-0.064) 6.17 ng/ml

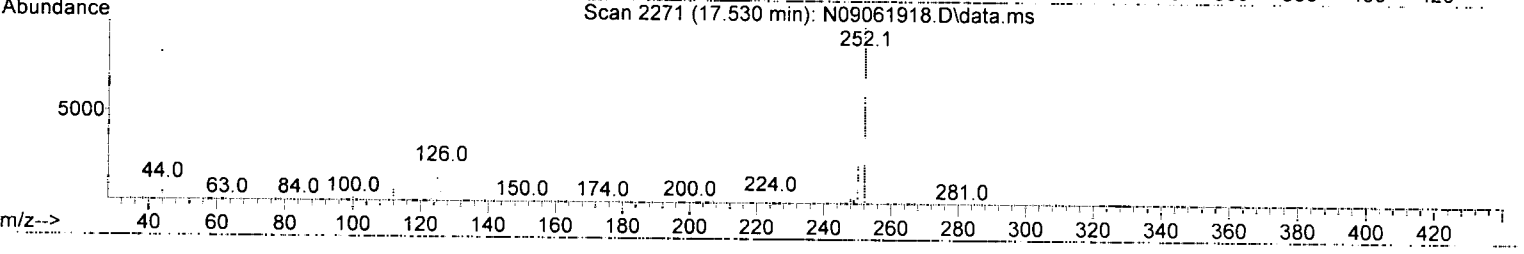
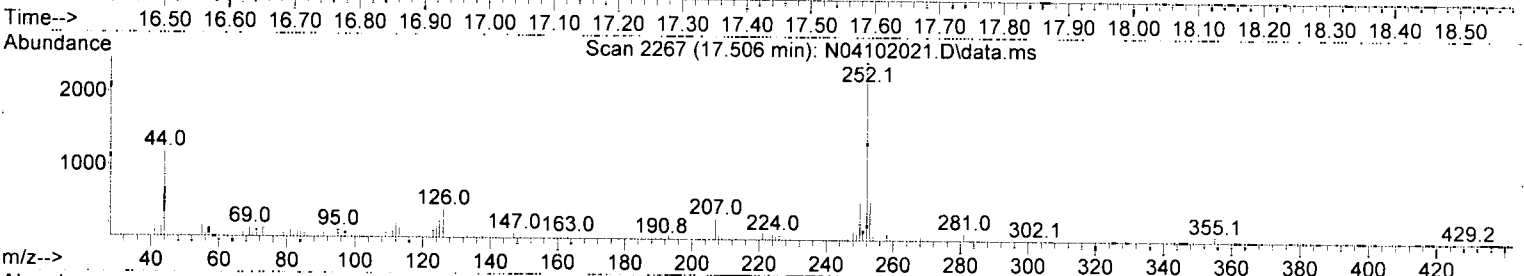
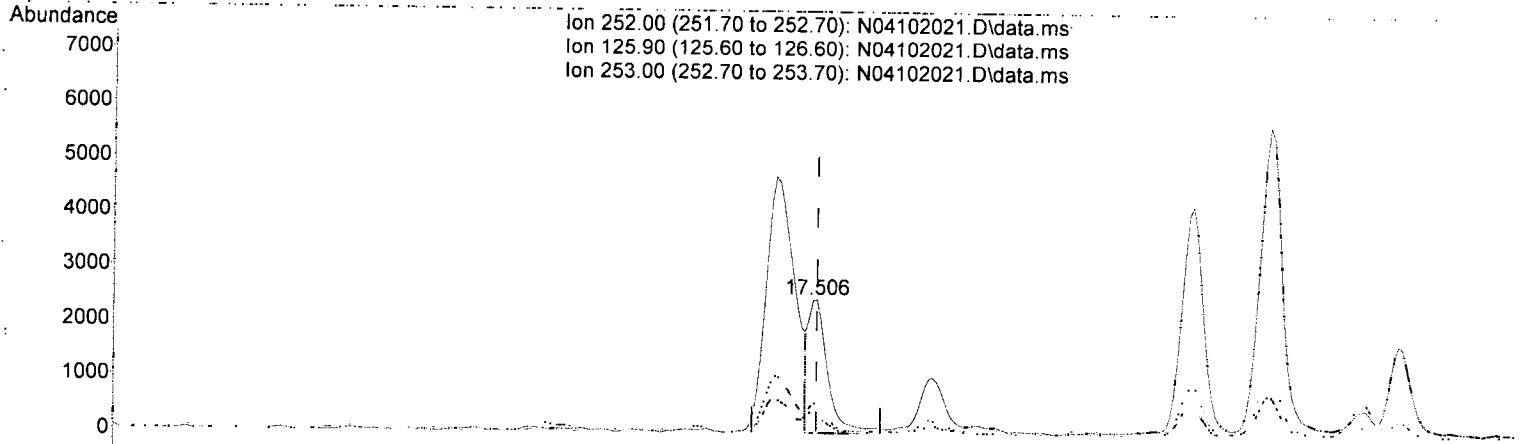
| response | Exp% | Act% |
|----------|--------|--------|
| 17812 | | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 13.36 |
| 253.00 | 21.50 | 22.34 |
| 0.00 | 0.00 | 0.00 |

AMS
4/13/20 ✓

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102021.D
 Acq On : 10 Apr 2020 09:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MS1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:29 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102021.D\data.ms

(30) Benzo(k)fluoranthene (T)

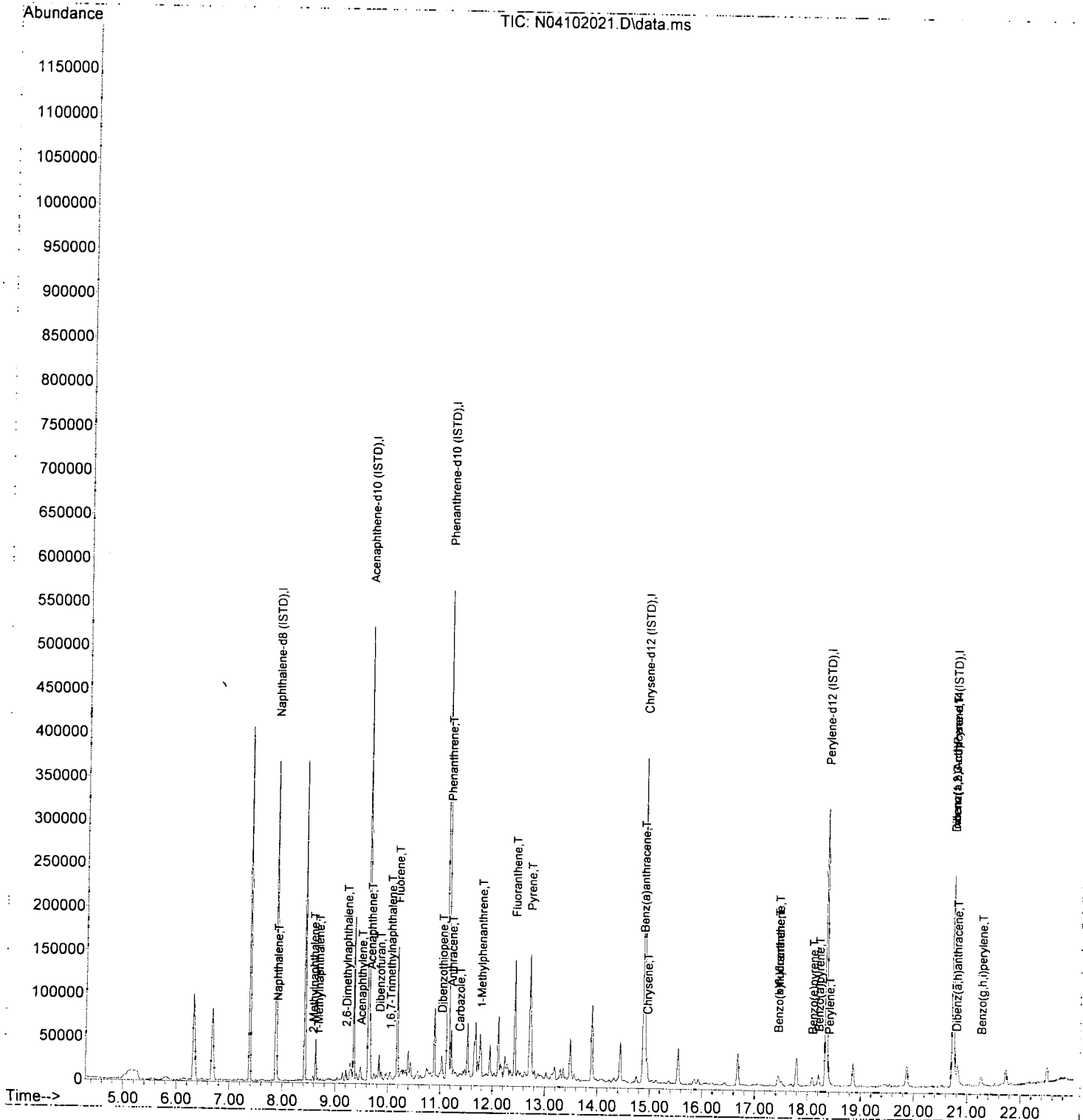
17.506min (+ 0.000) 1.72 ng/ml

AMS
 4/13/20

| | | |
|----------|--------|--------|
| response | 4966 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 16.34 |
| 253.00 | 21.50 | 22.36 |
| 0.00 | 0.00 | 0.00 |

Data Path : U:\data\2020-04\0D10041\
Data File : N04102021.D
Acq On : 10 Apr 2020 09:42 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-MS1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:29 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2020-04\0D10041\
 Data File : N04102022.D
 Acq On : 10 Apr 2020 10:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MSD1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
 4/13/20

Quant Time: Apr 13 09:30:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.883 | 136 | 266890 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 160664 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.141 | 188 | 303056 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 282196 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 282023 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 228545 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 238 | 0.29 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 427 | 0.17 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 991 | 0.36 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 6407 | 2.20 | ng/ml | 99 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 2310 | 1.18 | ng/ml | 96 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 1211 | 0.62 | ng/ml | 94 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 838 | N.D. | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 3999 | 2.37 | ng/ml | 98 |
| 11) Acenaphthylene | 9.492 | 152 | 5421 | 1.81 | ng/ml | 94 |
| 12) Acenaphthene | 9.667 | 153 | 26756 | 12.17 | ng/ml | 99 |
| 13) Dibenzofuran | 9.842 | 168 | 12257 | 4.61 | ng/ml | 97 |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 2812 | 1.63 | ng/ml | 95 |
| 15) Fluorene | 10.185 | 166 | 19792 | 9.37 | ng/ml | 99 |
| 17) Dibenzothiopene | 11.036 | 184 | 12643 | 4.13 | ng/ml | 95 |
| 18) Phenanthrene | 11.165 | 178 | 141653 | 40.61 | ng/ml | 99 |
| 19) Anthracene | 11.211 | 178 | 24729 | 8.66 | ng/ml | 98 |
| 20) Carbazole | 11.369 | 167 | 958 | N.D. | | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 8590 | 3.65 | ng/ml | 95 |
| 22) Fluoranthene | 12.424 | 202 | 79995 | 23.27 | ng/ml | 96 |
| 24) Pyrene | 12.715 | 202 | 87231 | 23.83 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 18021 | 6.16 | ng/ml | 82 |
| 27) Chrysene | 14.953 | 228 | 21207 | 7.05 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 14997 | 5.14 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 18410 | 6.33 | ng/ml | 89 |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 21439 | 6.99 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 9796 | 3.21 | ng/ml | 96 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 13124 | 6.02 | ng/ml | 94 |
| 34) Perylene | 18.404 | 252 | 4366 | 1.39 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 9194 | 3.70 | ng/ml | 80 |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 1256 | 0.50 | ng/ml | 93 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 11190 | 4.20 | ng/ml | 78 |

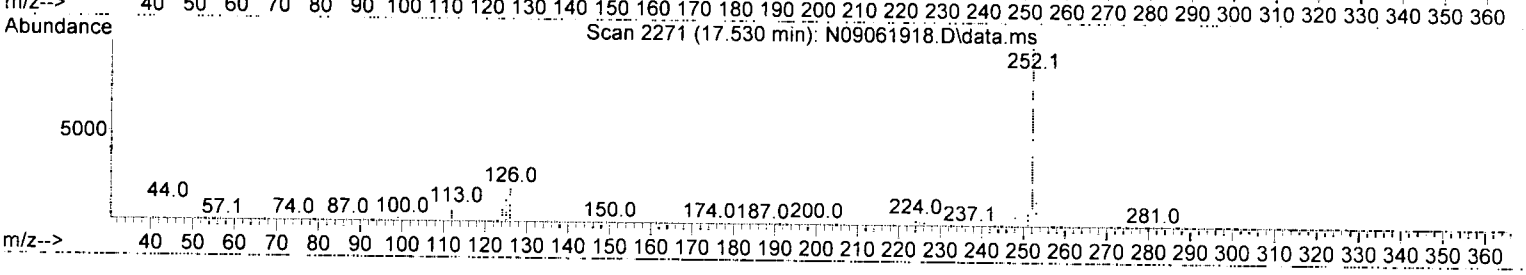
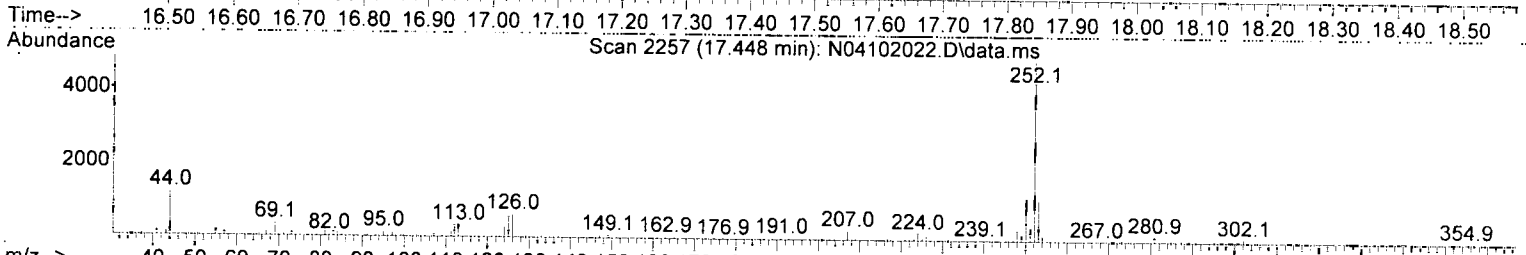
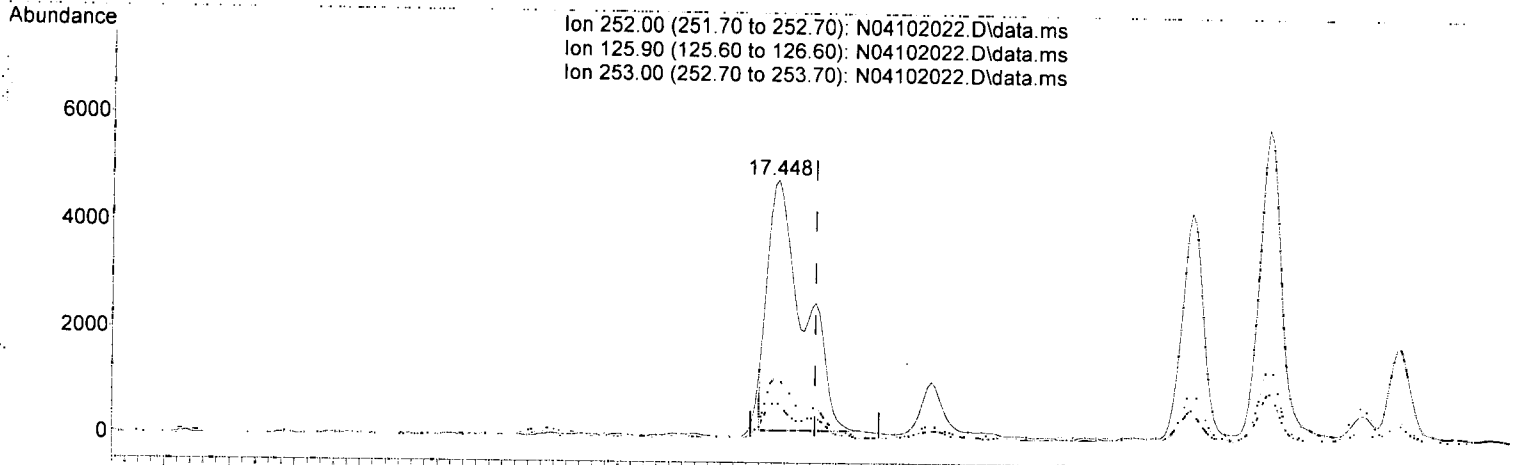
MI-ND

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102022.D
 Acq On : 10 Apr 2020 10:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MSD1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102022.D\data.ms

| (30) Benzo(k)fluoranthene (T) | | |
|-------------------------------|------------|--------|
| 17.448min (-0.058) | 6.33 ng/ml | |
| response | 18410 | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 13.10 |
| 253.00 | 21.50 | 22.72 |
| 0.00 | 0.00 | 0.00 |

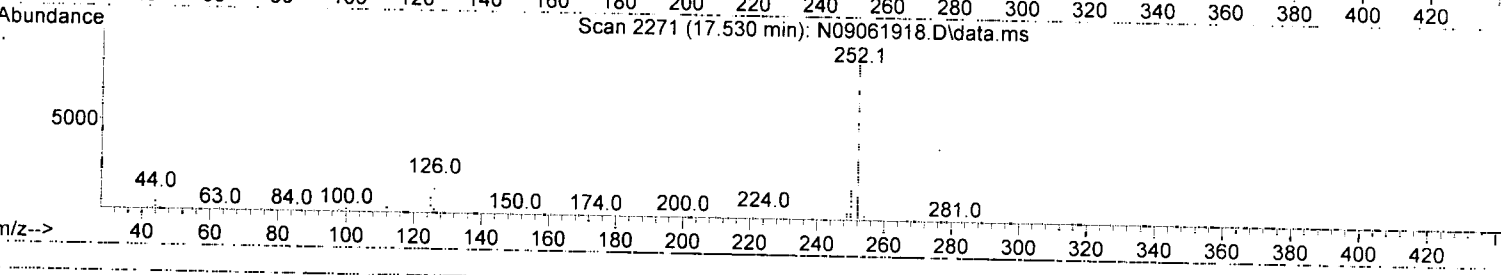
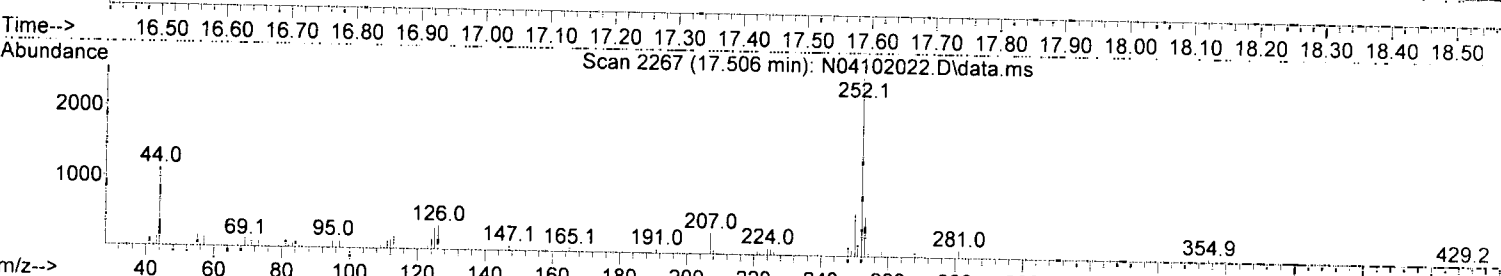
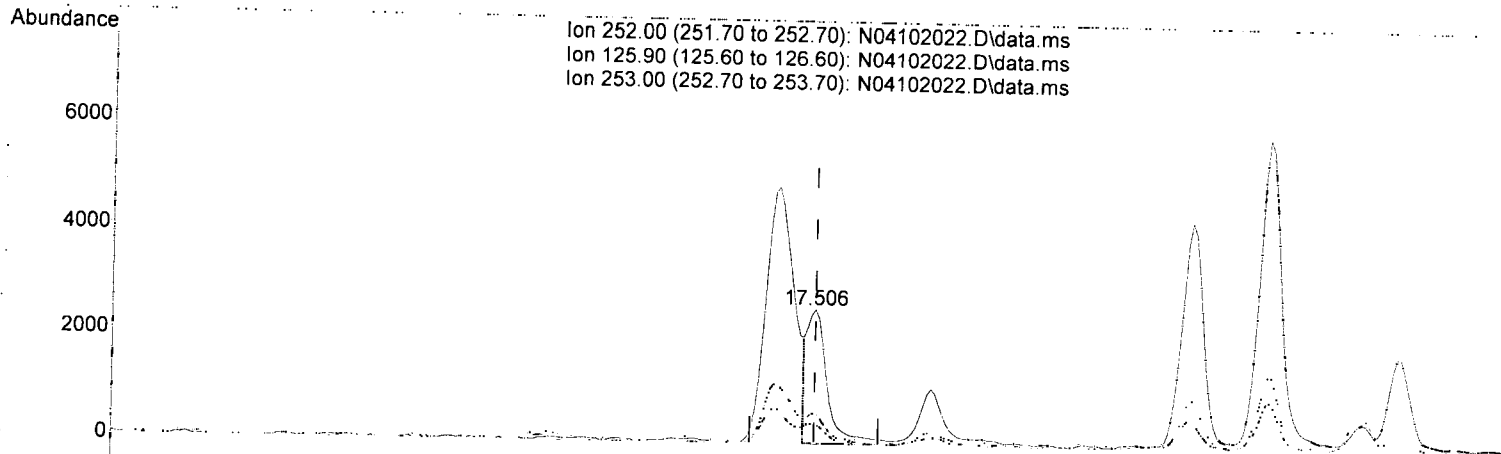
AMS
4/13/20

✓

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102022.D
 Acq On : 10 Apr 2020 10:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MSD1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04102022.D\data.ms

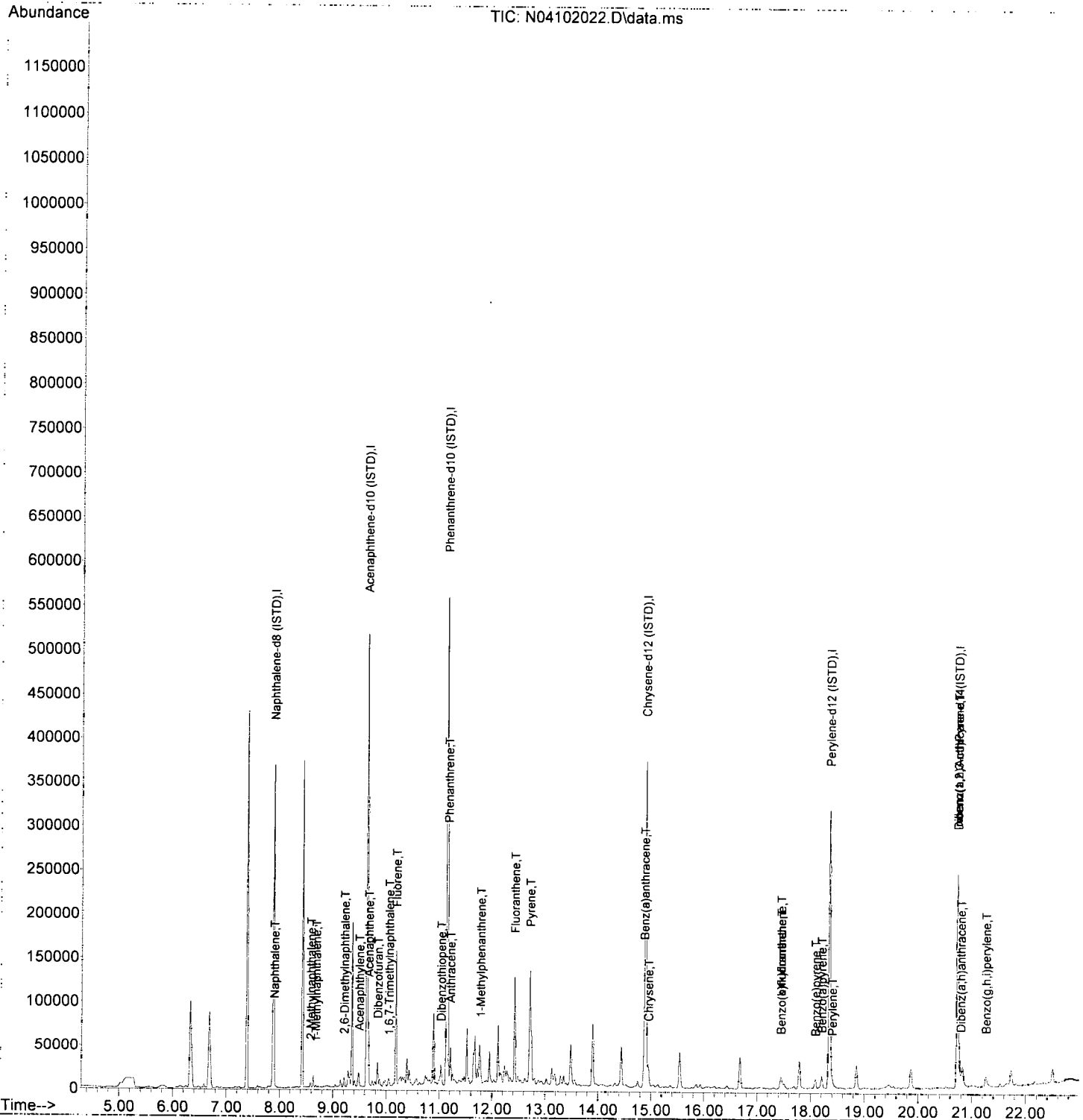
(30) Benzo(k)fluoranthene (T)

| | |
|---------------------|---------------|
| 17.506min (+ 0.000) | 1.83 ng/ml m |
| response | 5332 |
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 125.90 | 22.10 13.86 |
| 253.00 | 21.50 22.55 |
| 0.00 | 0.00 0.00 |

AMS
4/13/20

Data Path : U:\data\2020-04\0D10041\
 Data File : N04102022.D
 Acq On : 10 Apr 2020 10:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0040357-MSD1@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Sequence 0D13031 (A0D0212-02RE1,03,04,05,06,07,08,09)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D13031

Instrument: SV-GCMS14

Date: 04/13/20 08:06

Calibration: A0D0804

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|---------------|----------|--------------------------|-----------------|----------|---------|---------|---------|
| 1 | 0D13031-TUN1 | Sediment | QC | QC | | | A20C067 | A20D163 |
| 2 | 0D13031-CCV1 | Sediment | QC | QC | | | A20C067 | A20C077 |
| 3 | 0D13031-CCB1 | Sediment | QC | QC | | | A20C067 | |
| 4 | 0D13031-CCB2 | Sediment | QC | QC | | | A20C067 | |
| 5 | A0D0212-02 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 6 | A0D0212-03 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 7 | A0D0212-04 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 8 | A0D0212-05 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 9 | A0D0212-06 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040357 | A20C067 | |
| 10 | A0D0212-07 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040357 | A20C067 | |
| 11 | A0D0207-04RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 12 | A0D0196-02 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 13 | A0D0196-03 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 14 | A0D0196-04 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 15 | A0D0205-03 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 16 | A0D0207-05 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 17 | A0D0207-06 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 18 | A0D0212-08 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 19 | A0D0212-09 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040357 | A20C067 | |
| 20 | A0D0212-02RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 21 | A0D0205-02RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 22 | A0D0205-04RE1 | Sediment | 8270D LL PAH Only (Scan) | Anchor QEA, LLC | 04/22/20 | 0040356 | A20C067 | |
| 23 | 0D13031-IBL1 | Sediment | QC | QC | | | A20C067 | |

Data Entered By: AMS 4/14/20

Comments:

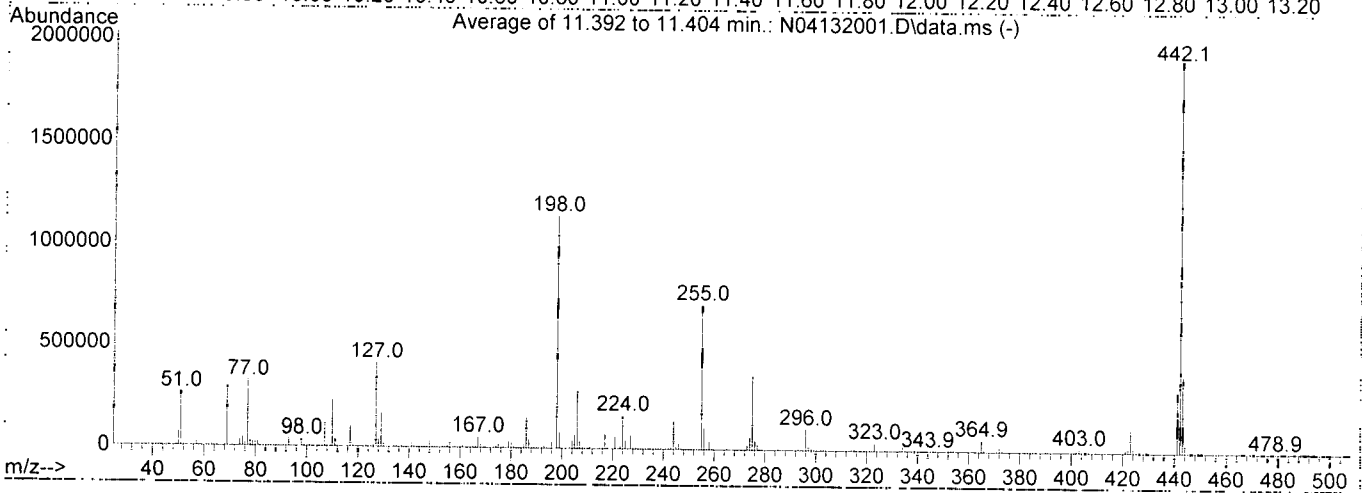
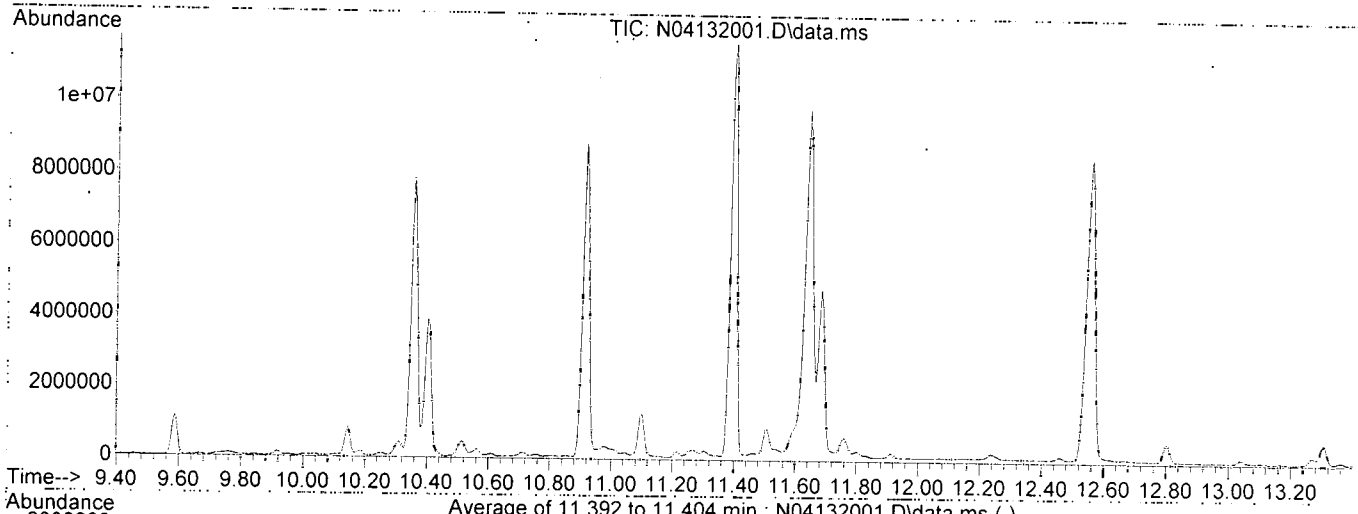
Data Reviewed By: PK 4/14/20

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132001.D
 Acq On : 13 Apr 2020 08:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-TUN1
 Misc : 1x, A20D163 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

AMS
4/13/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Mon Apr 13 09:22:09 2020



AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1211

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 68 | 69 | 0.00 | 2 | 1.8 | 5210 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 286023 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1479 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1140149 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 76890 | PASS |
| 365 | 198 | 1 | 100 | 4.8 | 54316 | PASS |
| 441 | 443 | 0.01 | 150 | 77.8 | 290581 | PASS |
| 442 | 198 | 0.10 | 200 | 169.3 | 1930069 | PASS |
| 443 | 442 | 15 | 24 | 19.3 | 373440 | PASS |

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132001.D
 Acq On : 13 Apr 2020 08:13 am
 Operator : JK/ AMS/ DTH
 Sample : OD13031-TUN1
 Misc : 1x, A20D163 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration

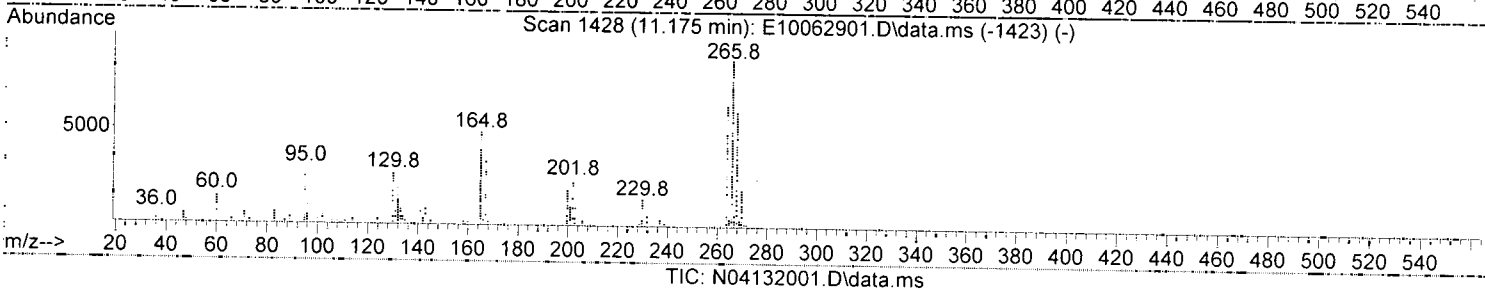
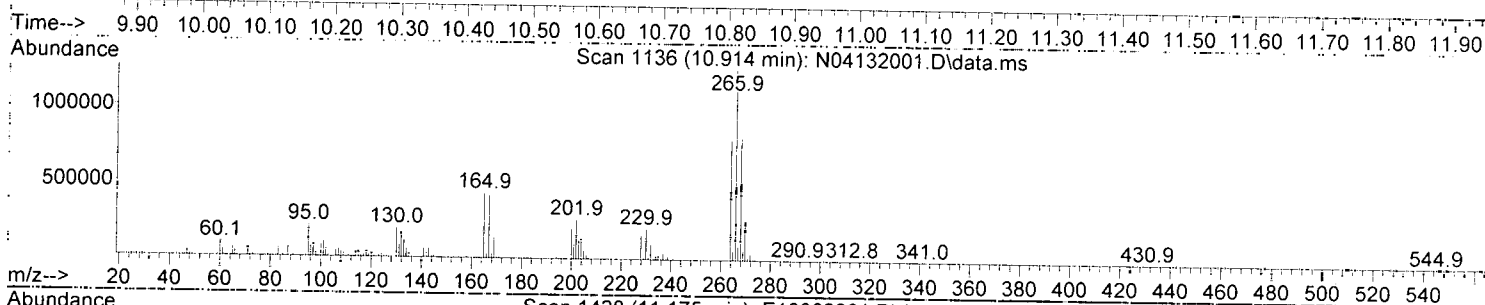
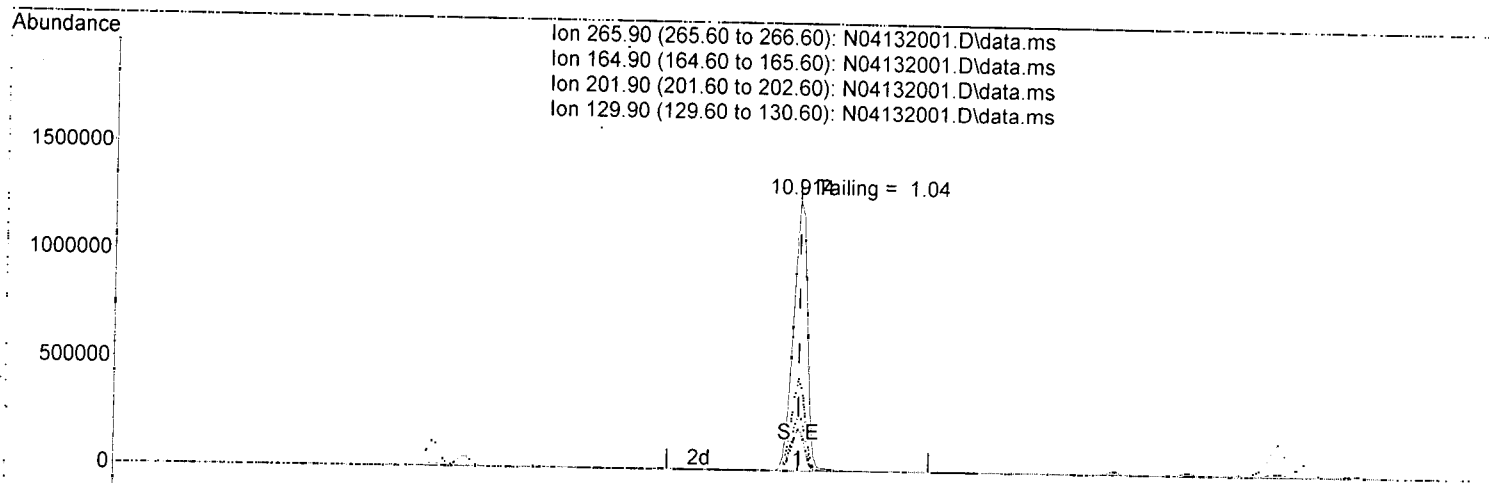
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|-----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.612 | 150 | 212338 | 2.00 | ug/mL | 0.00 |
| 2) Naphthalene-d8 | 7.825 | 136 | 585664 | 2.00 | ug/mL | 0.00 |
| 3) Acenaphthene-d10 | 9.585 | 162 | 337015 | 2.00 | ug/mL | 0.00 |
| 5) Phenanthrene-d10 | 11.100 | 188 | 646638 | 2.00 | ug/mL | 0.00 |
| 11) Chrysene-d12 | 14.773 | 240 | 642270 | 2.00 | ug/mL | 0.00 |
| 12) Perylene-d12 | 16.801 | 264 | 645966 | 2.00 | ug/mL | 0.00 |
| 13) Dibenz(a,h)anthracene-... | 18.025 | 292 | 552332 | 2.00 | ug/mL | # 0.00 |
| Target Compounds | | | | | | |
| 4) Pentachlorophenol | 10.914 | 266 | 1878447 | 59.02 | ug/mL | Qvalue 80 |
| 6) DFTPP | 11.398 | 442 | 3010269 | 57.66 | ug/mL# | 63 |
| 7) Benzidine | 12.558 | 184 | 7118772 | 30.95 | ug/mL | 97 |
| 8) 4,4-DDE | 12.802 | TIC | 741779 | No Calib | | |
| 9) 4,4-DDD | 13.304 | TIC | 836142 | No Calib | | |
| 10) 4,4-DDT | 13.863 | TIC | 21166081 | 31.92 | ug/mL | 94 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132001.D
 Acq On : 13 Apr 2020 08:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-TUN1
 Misc : 1x, A20D163 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration



(4) Pentachlorophenol

10.914min (-0.000) 59.02 ug/mL

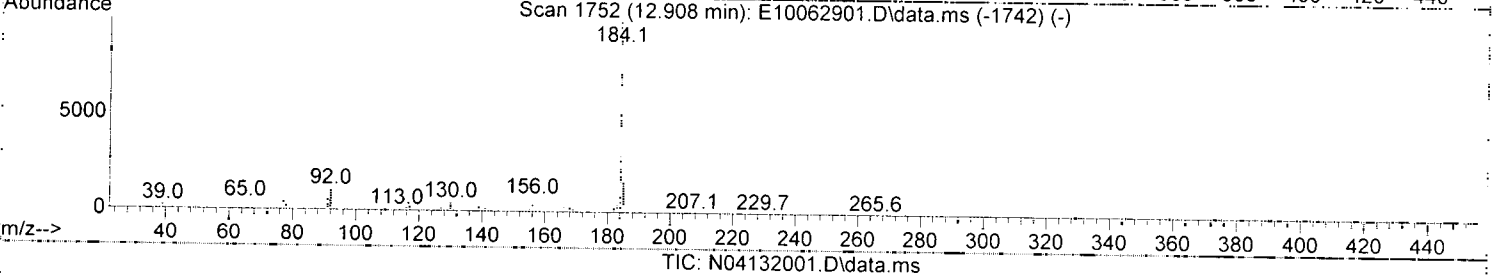
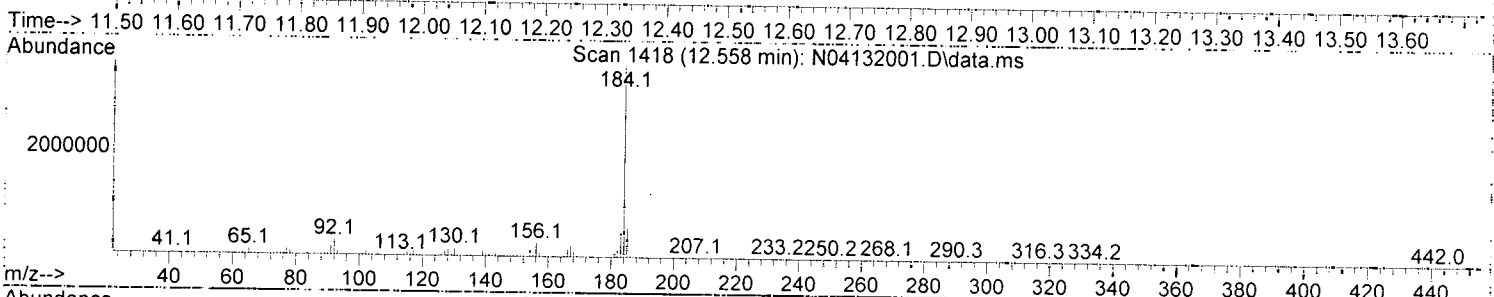
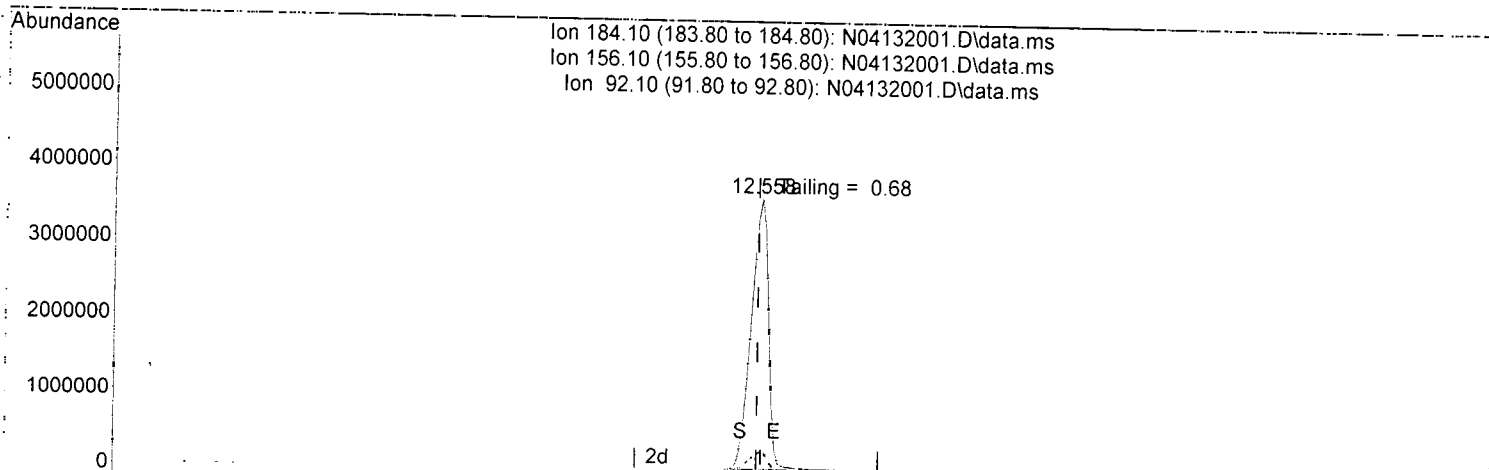
response 1878447

| Ion | Exp% | Act% |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60 | 34.27 |
| 201.90 | 25.80 | 20.86 |
| 129.90 | 27.30 | 15.53 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132001.D
 Acq On : 13 Apr 2020 08:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-TUN1
 Misc : 1x, A20D163 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration



(7) Benzidine

12.558min (+ 0.006) 30.95 ug/mL

response 7118772

| Ion | Exp% | Act% |
|--------|--------|--------|
| 184.10 | 100.00 | 100.00 |
| 156.10 | 8.50 | 7.05 |
| 92.10 | 8.20 | 7.62 |
| 0.00 | 0.00 | 0.00 |

DDT Breakdown Check (Validated 5/1/2013)

From:

0D13031-TUN1

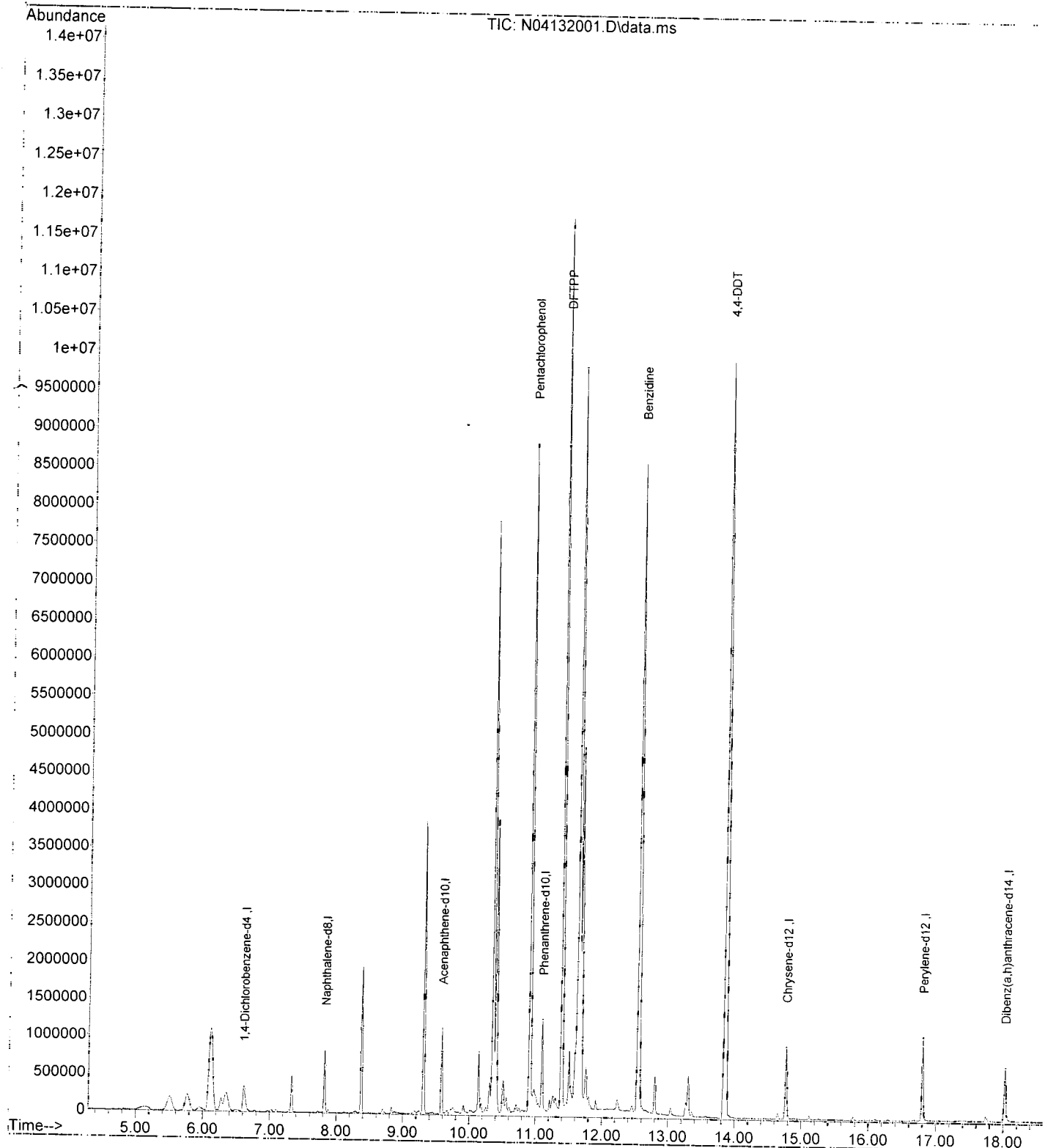
SV-GCMS 14

| First Column Area Counts | Percent Breakdown | |
|--------------------------|-------------------|-----------|
| DDE | 741779 | ↓ |
| DDD | 836142 | |
| DDT | 21166081 | 6.94 PASS |

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132002.D
 Acq On : 13 Apr 2020 08:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-CCV1
 Misc : 1x, A20C077@50
 ALS Vial : 2 Sample Multiplier: 1

AMS
4/13/20

Quant Time: Apr 13 13:23:21 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 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 | 85 | 0.00 |
| 2 S Nitrobenzene-d5 (Surr) | 50.000 | 48.288 | 3.4 | 85 | 0.00 |
| 3 T Decalin | 50.000 | 41.897 | 16.2 | 76 | 0.00 |
| 4 T Naphthalene | 50.000 | 49.351 | 1.3 | 86 | 0.00 |
| 5 T 2-Methylnaphthalene | 50.000 | 48.817 | 2.4 | 82 | 0.00 |
| 6 T 1-Methylnaphthalene | 50.000 | 49.363 | 1.3 | 83 | 0.00 |
| 7 T 1,1'-Biphenyl | 50.000 | 52.959 | -5.9 | 91 | 0.00 |
| 8 T 2,6-Dimethylnaphthalene | 50.000 | 53.110 | -6.2 | 91 | 0.00 |
| 9 I Acenaphthene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 92 | 0.00 |
| 10 S 2-Fluorobiphenyl (Surr) | 50.000 | 50.957 | -1.9 | 94 | 0.00 |
| 11 T Acenaphthylene | 50.000 | 54.377 | -8.8 | 97 | 0.00 |
| 12 T Acenaphthene | 50.000 | 50.410 | -0.8 | 93 | 0.00 |
| 13 T Dibenzofuran | 50.000 | 53.371 | -6.7 | 99 | 0.00 |
| 14 T 1,6,7-Trimethylnaphthalene | 50.000 | 54.436 | -8.9 | 101 | 0.00 |
| 15 T Fluorene | 50.000 | 53.416 | -6.8 | 100 | 0.00 |
| 16 I Phenanthrene-d10 (ISTD) | 100.000 | 100.000 | 0.0 | 104 | 0.00 |
| 17 T Dibenzothiopene | 50.000 | 51.133 | -2.3 | 105 | 0.00 |
| 18 T Phenanthrene | 50.000 | 49.047 | 1.9 | 104 | 0.00 |
| 19 T Anthracene | 50.000 | 55.071 | -10.1 | 114 | 0.00 |
| 20 T Carbazole | 50.000 | 50.148 | -0.3 | 99 | 0.00 |
| 21 T 1-Methylphenanthrene | 50.000 | 53.621 | -7.2 | 109 | 0.00 |
| 22 T Fluoranthene | 50.000 | 54.857 | -9.7 | 113 | 0.00 |
| 23 I Chrysene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 102 | 0.00 |
| 24 T Pyrene | 50.000 | 51.498 | -3.0 | 110 | 0.00 |
| 25 S Terphenyl-d14 (Surr) | 50.000 | 50.796 | -1.6 | 103 | 0.00 |
| 26 T Benz(a)anthracene | 50.000 | 51.774 | -3.5 | 110 | 0.00 |
| 27 T Chrysene | 50.000 | 48.731 | 2.5 | 100 | 0.00 |
| 28 I Perylene-d12 (ISTD) | 100.000 | 100.000 | 0.0 | 104 | 0.00 |
| 29 T Benzo(b)fluoranthene | 50.000 | 52.838 | -5.7 | 113 | 0.00 |
| 30 T Benzo(k)fluoranthene | 50.000 | 52.133 | -4.3 | 108 | 0.00 |
| 31 T Benzo(b+k)fluoranthene | 100.000 | 103.280 | -3.3 | 109 | 0.00 |
| 32 T Benzo(e)pyrene | 50.000 | 51.310 | -2.6 | 110 | 0.00 |
| 33 T Benzo(a)pyrene | 50.000 | 56.380 | -12.8 | 110 | 0.00 |
| 34 T Perylene | 50.000 | 53.513 | -7.0 | 103 | 0.00 |
| 35 I Dibenz(a,h)Anthracene-d14 (IS | 100.000 | 100.000 | 0.0 | 99 | 0.00 |
| 36 T Indeno(1,2,3-cd)Pyrene | 50.000 | 51.890 | -3.8 | 104 | 0.00 |
| 37 T Dibenz(a,h)anthracene | 50.000 | 49.854 | 0.3 | 99 | 0.00 |
| 38 T Benzo(g,h,i)perylene | 50.000 | 53.662 | -7.3 | 104 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132002.D
 Acq On : 13 Apr 2020 08:40 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-CCV1
 Misc : 1x, A20C077@50
 ALS Vial : 2 Sample Multiplier: 1

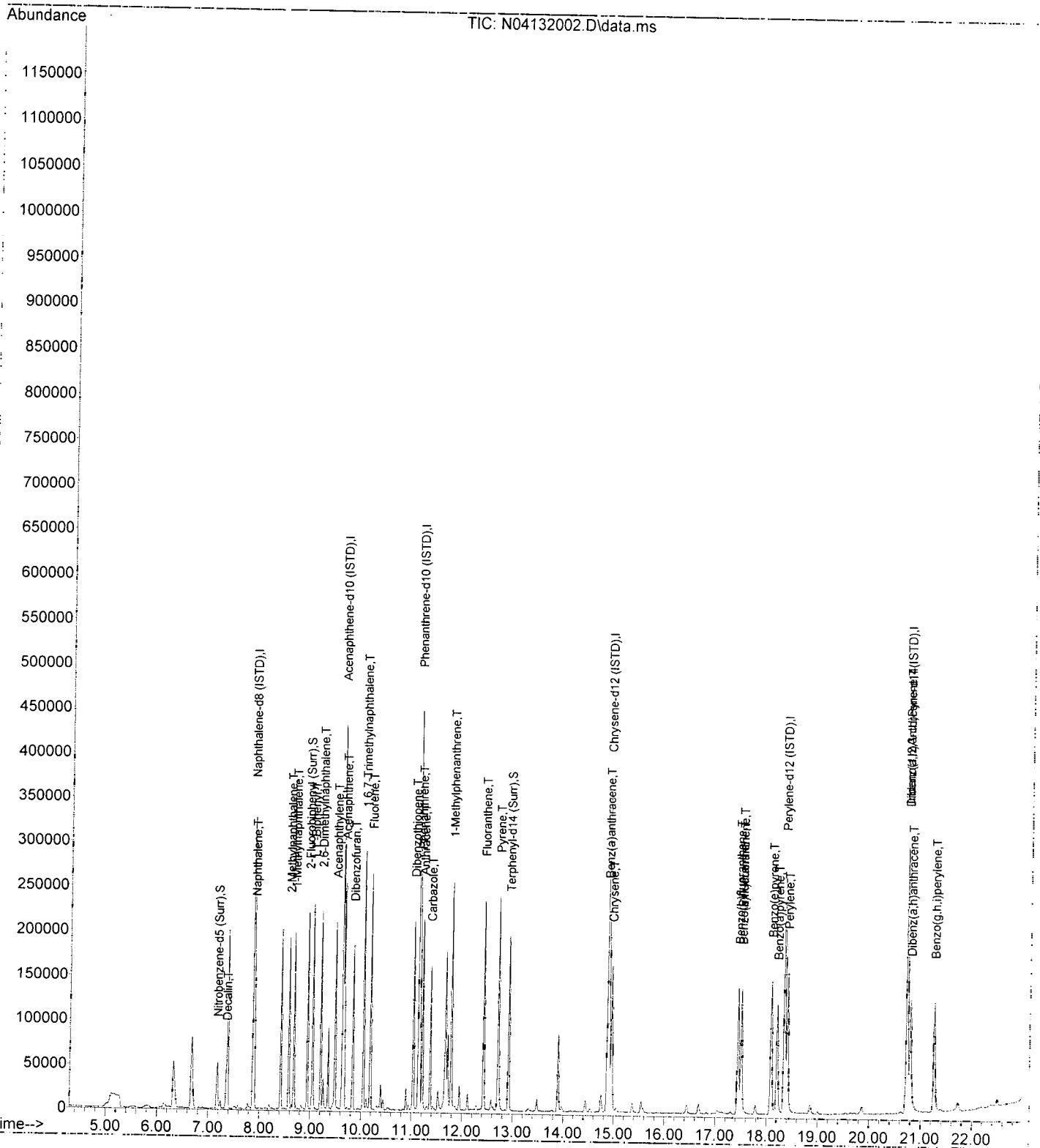
Quant Time: Apr 13 13:23:21 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 225671 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 134953 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 252632 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 243182 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 241609 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.735 | 292 | 188577 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 34042 | 48.29 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.950 | 172 | 106465 | 50.96 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 119354 | 50.80 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 3) Decalin | 7.359 | 138 | 7560 | 41.90 | ng/ml | | 82 |
| 4) Naphthalene | 7.901 | 128 | 121303 | 49.35 | ng/ml | | 99 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 80568 | 48.82 | ng/ml | | 97 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 80891 | 49.36 | ng/ml | | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 110165 | 52.96 | ng/ml | | 96 |
| 8) 2,6-Dimethylnaphthalene | 9.206 | 156 | 75790 | 53.11 | ng/ml | | 99 |
| 11) Acenaphthylene | 9.492 | 152 | 136836 | 54.38 | ng/ml | | 99 |
| 12) Acenaphthene | 9.667 | 153 | 93055 | 50.41 | ng/ml | | 99 |
| 13) Dibenzofuran | 9.842 | 168 | 119248 | 53.37 | ng/ml | | 94 |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 78743 | 54.44 | ng/ml | | 99 |
| 15) Fluorene | 10.186 | 166 | 94810 | 53.42 | ng/ml | | 99 |
| 17) Dibenzothiopene | 11.037 | 184 | 130544 | 51.13 | ng/ml | | 94 |
| 18) Phenanthrene | 11.165 | 178 | 142624 | 49.05 | ng/ml | | 99 |
| 19) Anthracene | 11.211 | 178 | 131152 | 55.07 | ng/ml | | 99 |
| 20) Carbazole | 11.369 | 167 | 103105 | 50.15 | ng/ml | | 98 |
| 21) 1-Methylphenanthrene | 11.788 | 192 | 105148 | 53.62 | ng/ml | | 98 |
| 22) Fluoranthene | 12.424 | 202 | 157215 | 54.86 | ng/ml | | 95 |
| 24) Pyrene | 12.715 | 202 | 162435 | 51.50 | ng/ml | | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 130567 | 51.77 | ng/ml | | 100 |
| 27) Chrysene | 14.953 | 228 | 126394 | 48.73 | ng/ml | | 100 |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 131972 | 52.84 | ng/ml | | 92 |
| 30) Benzo(k)fluoranthene | 17.512 | 252 | 129809 | 52.13 | ng/ml | | 92 |
| 31) Benzo(b+k)fluoranthene | 17.512 | 252 | 271258 | 103.28 | ng/ml | | 92 |
| 32) Benzo(e)pyrene | 18.095 | 252 | 134005 | 51.31 | ng/ml | | 97 |
| 33) Benzo(a)pyrene | 18.212 | 252 | 113059 | 56.38 | ng/ml | | 96 |
| 34) Perylene | 18.410 | 252 | 143908 | 53.51 | ng/ml | | 100 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.730 | 276 | 106295 | 51.89 | ng/ml | | 78 |
| 37) Dibenz(a,h)anthracene | 20.799 | 278 | 102978 | 49.85 | ng/ml | | 79 |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 117916 | 53.66 | ng/ml | | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D13031\
Data File : N04132002.D
Acq On : 13 Apr 2020 08:40 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 13:23:21 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report

(Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132003.D
 Acq On : 13 Apr 2020 09:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:03 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

Q-06
 INCORRECT AMT.
 OF ISTD
 AMS
 4/13/20

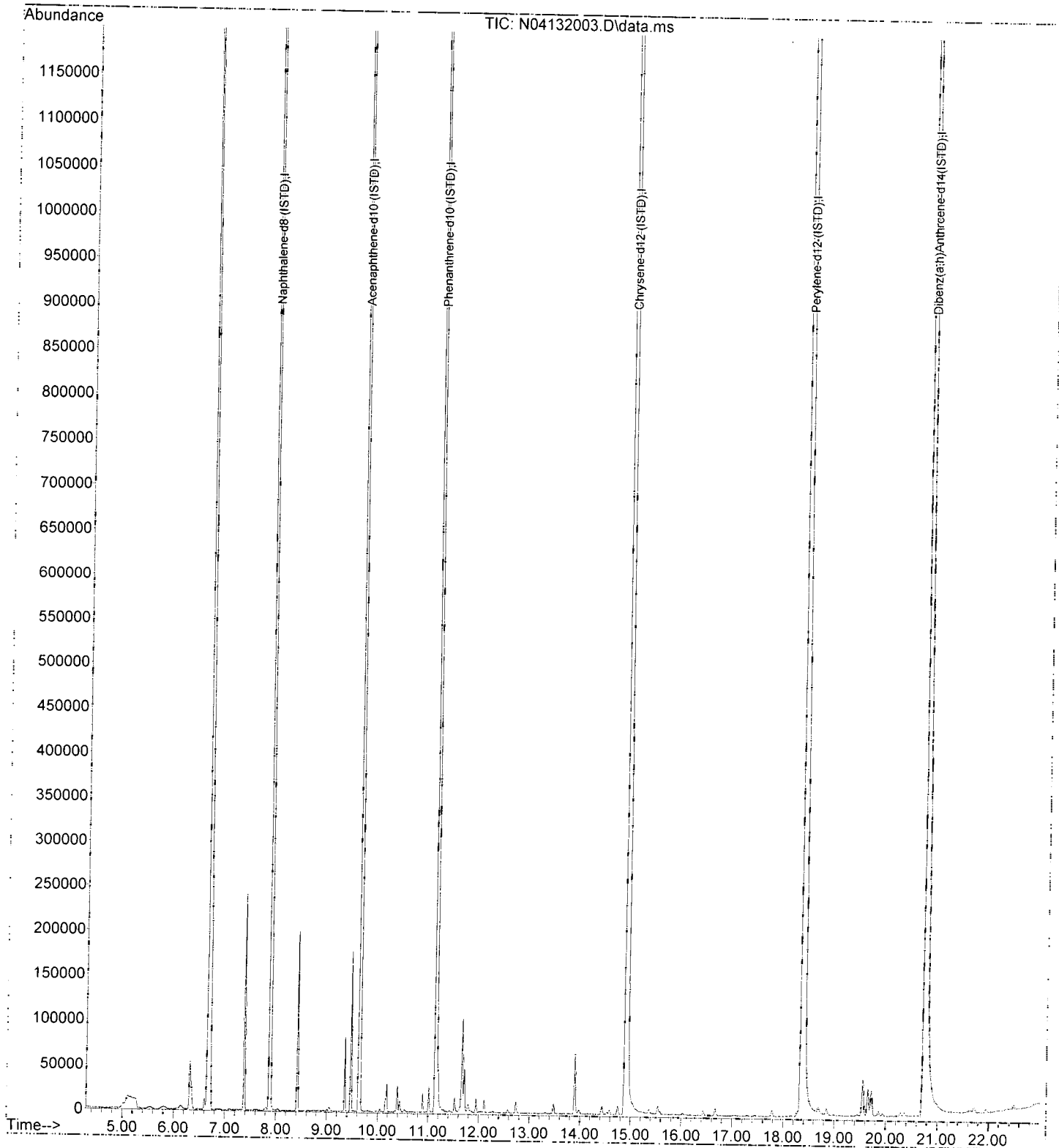
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.883 | 136 | 3649181 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.643 | 162 | 2189608 | 100.00 | ng/ml | 0.01 |
| 16) Phenanthrene-d10 (ISTD) | 11.147 | 188 | 4130605 | 100.00 | ng/ml | 0.01 |
| 23) Chrysene-d12 (ISTD) | 14.924 | 240 | 4411609 | 100.00 | ng/ml | 0.03 |
| 28) Perylene-d12 (ISTD) | 18.398 | 264 | 4814554 | 100.00 | ng/ml | 0.05 |
| 35) Dibenz(a,h)Anthracene-d... | 20.776 | 292 | 3915341 | 100.00 | ng/ml | 0.05 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 0.000 | 82 | 0 | 0.00 | ng/ml | |
| 10) 2-Fluorobiphenyl (Surr) | 9.008 | 172 | 180 | 0.01 | ng/ml | 0.06 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 247 | 0.01 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | | N.D. | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 435 | | N.D. | |
| 5) 2-Methylnaphthalene | 0.000 | | 0 | | N.D. | |
| 6) 1-Methylnaphthalene | 0.000 | | 0 | | N.D. | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 166 | | N.D. | |
| 8) 2,6-Dimethylnaphthalene | 0.000 | | 0 | | N.D. | |
| 11) Acenaphthylene | 9.486 | 152 | 103 | | N.D. | |
| 12) Acenaphthene | 9.643 | 153 | 490 | | N.D. | |
| 13) Dibenzofuran | 9.836 | 168 | 125 | | N.D. | |
| 14) 1,6,7-Trimethylnaphtha... | 0.000 | | 0 | | N.D. | |
| 15) Fluorene | 0.000 | | 0 | | N.D. | |
| 17) Dibenzothiopene | 11.036 | 184 | 210 | | N.D. | |
| 18) Phenanthrene | 11.147 | 178 | 2119 | | N.D. | |
| 19) Anthracene | 11.217 | 178 | 93 | | N.D. | |
| 20) Carbazole | 11.375 | 167 | 60 | | N.D. | |
| 21) 1-Methylphenanthrene | 11.736 | 192 | 57 | | N.D. | |
| 22) Fluoranthene | 12.424 | 202 | 285 | | N.D. | |
| 24) Pyrene | 12.709 | 202 | 224 | | N.D. | |
| 26) Benz(a)anthracene | 14.924 | 228 | 11098 | | N.D. | |
| 27) Chrysene | 14.924 | 228 | 9547 | | N.D. | |
| 29) Benzo(b)fluoranthene | 17.500 | 252 | 128 | | N.D. | |
| 30) Benzo(k)fluoranthene | 17.500 | 252 | 128 | | N.D. | |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 328 | | N.D. | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 185 | | N.D. | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 94 | | N.D. | |
| 34) Perylene | 18.398 | 252 | 16577 | | N.D. | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.776 | 276 | 1971 | | N.D. | |
| 37) Dibenz(a,h)anthracene | 20.811 | 278 | 156 | | N.D. | |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 79 | | N.D. | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132003.D
Acq On : 13 Apr 2020 09:12 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:03 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132004.D
 Acq On : 13 Apr 2020 09:44 am
 Operator : JK/ AMS/ DTH
 Sample : 0D13031-CCB2
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

AMS
4/13/20

Quant Time: Apr 13 13:24:08 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

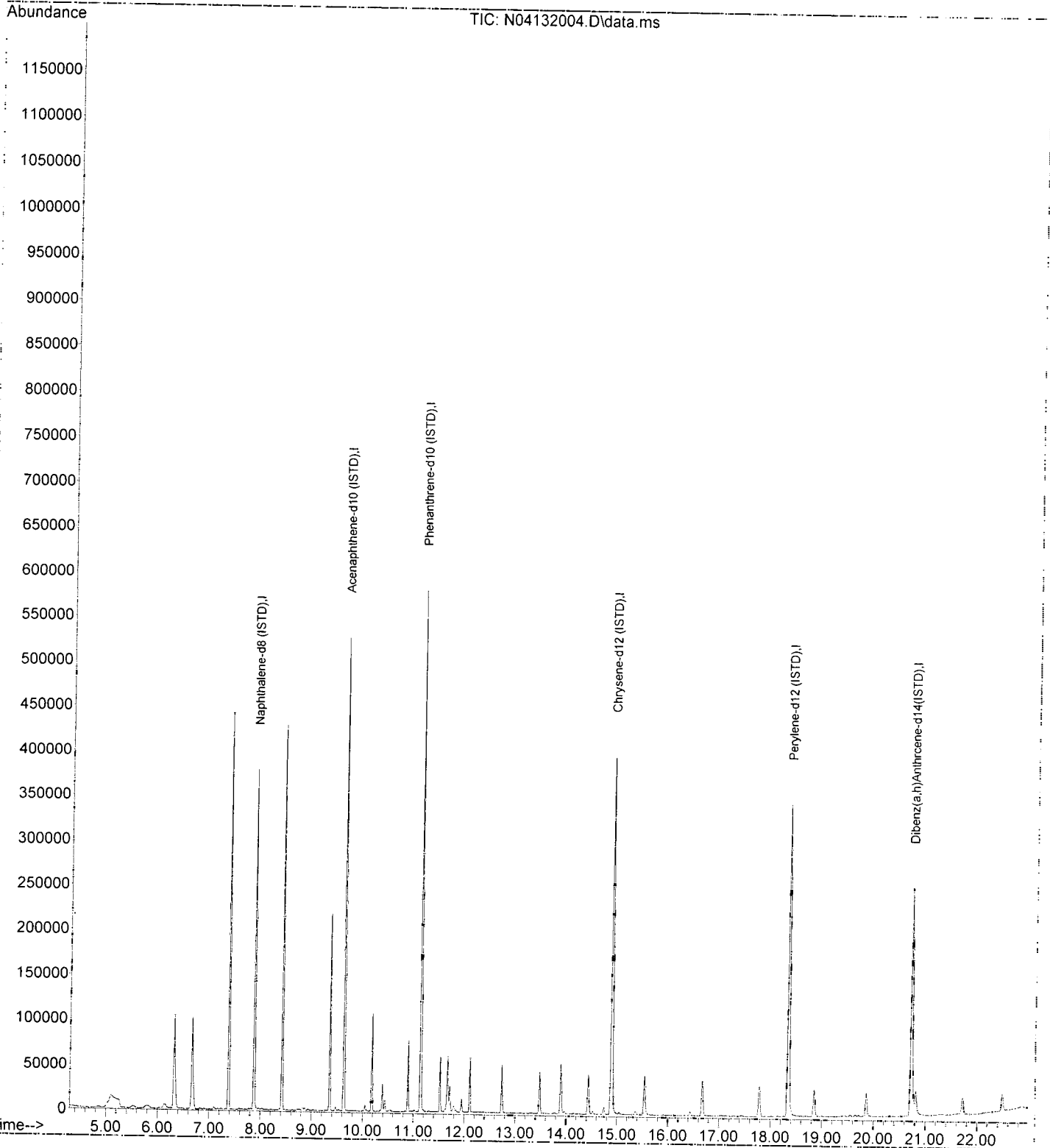
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 261439 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 159304 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 315835 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 319199 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 306800 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.730 | 292 | 260276 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 102 | 0.12 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 222 | 0.09 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 394 | 0.13 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | | N.D. | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 246 | | N.D. | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 55 | | N.D. | |
| 6) 1-Methylnaphthalene | 0.000 | | 0 | | N.D. | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 105 | | N.D. | |
| 8) 2,6-Dimethylnaphthalene | 0.000 | | 0 | | N.D. | |
| 11) Acenaphthylene | 9.486 | 152 | 51 | | 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 | 11.159 | 178 | 247 | | N.D. | |
| 19) Anthracene | 11.252 | 178 | 59 | | N.D. | |
| 20) Carbazole | 11.363 | 167 | 60 | | N.D. | |
| 21) 1-Methylphenanthrene | 0.000 | | 0 | | N.D. | |
| 22) Fluoranthene | 12.424 | 202 | 91 | | N.D. | |
| 24) Pyrene | 12.709 | 202 | 51 | | N.D. | |
| 26) Benz(a)anthracene | 14.895 | 228 | 859 | | N.D. | |
| 27) Chrysene | 14.953 | 228 | 95 | | N.D. | |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 52 | | N.D. | |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 52 | | N.D. | |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 52 | | N.D. | |
| 32) Benzo(e)pyrene | 18.346 | 252 | 892 | | N.D. | |
| 33) Benzo(a)pyrene | 0.000 | | 0 | | N.D. | |
| 34) Perylene | 18.410 | 252 | 77 | | N.D. | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.730 | 276 | 86 | | 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 : U:\data\2020-04\0D13031\
Data File : N04132004.D
Acq On : 13 Apr 2020 09:44 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB2
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:08 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132005.D
 Acq On : 13 Apr 2020 10:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

AMS
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4/13/20

Quant Time: Apr 13 13:24:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

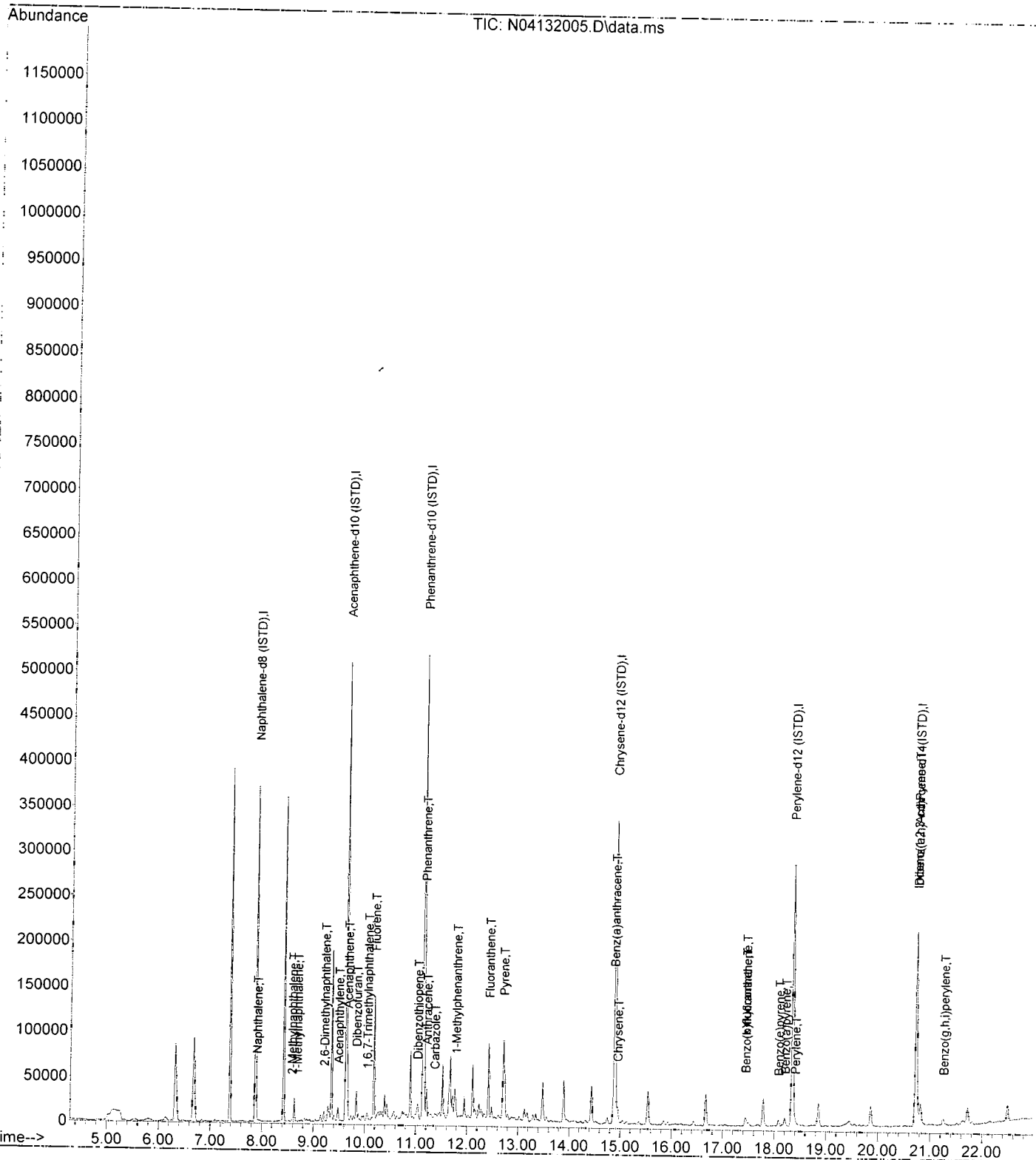
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 263203 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 151136 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 281428 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.889 | 240 | 257834 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.346 | 264 | 256700 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.730 | 292 | 210705 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 176 | 0.21 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 422 | 0.18 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 544 | 0.22 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.901 | 128 | 3163 | 1.10 | ng/ml | 100 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 1202 | 0.62 | ng/ml | 92 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 906 | 0.47 | ng/ml | 95 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 411 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 4457 | 2.68 | ng/ml | 96 | |
| 11) Acenaphthylene | 9.486 | 152 | 4145 | 1.47 | ng/ml | 93 | |
| 12) Acenaphthene | 9.661 | 153 | 27563 | 13.33 | ng/ml | 98 | |
| 13) Dibenzofuran | 9.836 | 168 | 15432 | 6.17 | ng/ml | 97 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 2458 | 1.52 | ng/ml | 86 | |
| 15) Fluorene | 10.185 | 166 | 19219 | 9.67 | ng/ml | 99 | |
| 17) Dibenzothiopene | 11.031 | 184 | 9260 | 3.26 | ng/ml | 97 | |
| 18) Phenanthrene | 11.159 | 178 | 110514 | 34.12 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 17167 | 6.47 | ng/ml | 97 | |
| 20) Carbazole | 11.369 | 167 | 2097 | 0.92 | ng/ml | 97 | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 6115 | 2.80 | ng/ml | 97 | |
| 22) Fluoranthene | 12.424 | 202 | 53218 | 16.67 | ng/ml | 96 | |
| 24) Pyrene | 12.709 | 202 | 60184 | 18.00 | ng/ml | 98 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 12566 | 4.70 | ng/ml | 88 | |
| 27) Chrysene | 14.948 | 228 | 14427 | 5.25 | ng/ml | 95 | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 9707 | 3.66 | ng/ml | 89 | |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 12153 | 4.59 | ng/ml | 87 | |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 13981 | 5.01 | ng/ml | 87 | |
| 32) Benzo(e)pyrene | 18.083 | 252 | 6167 | 2.22 | ng/ml | 96 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 8428 | 4.34 | ng/ml | 92 | |
| 34) Perylene | 18.404 | 252 | 2866 | 1.00 | ng/ml | 95 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 5825 | 2.54 | ng/ml | 88 | |
| 37) Dibenz(a,h)anthracene | 20.788 | 278 | 903 | N.D. | | | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 6789 | 2.77 | ng/ml | 78 | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\OD13031\
 Data File : N04132005.D
 Acq On : 13 Apr 2020 10:16 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 13 13:24:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

AMS
 4/13/20
 MOS

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

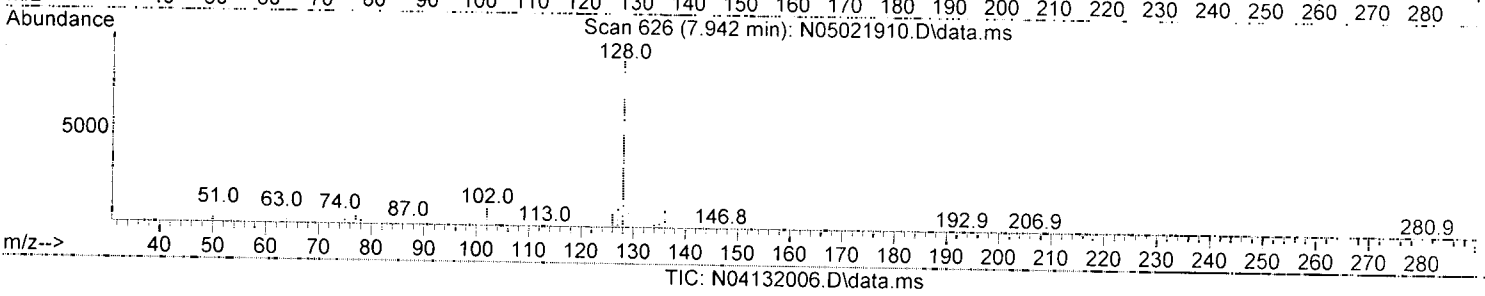
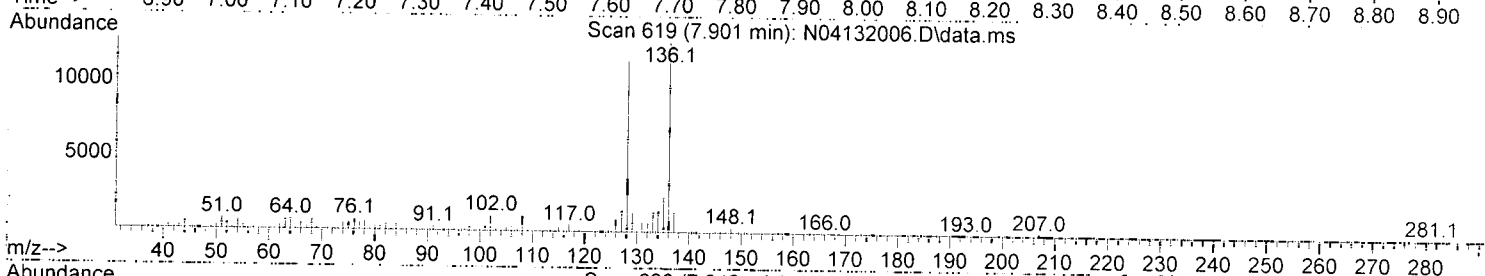
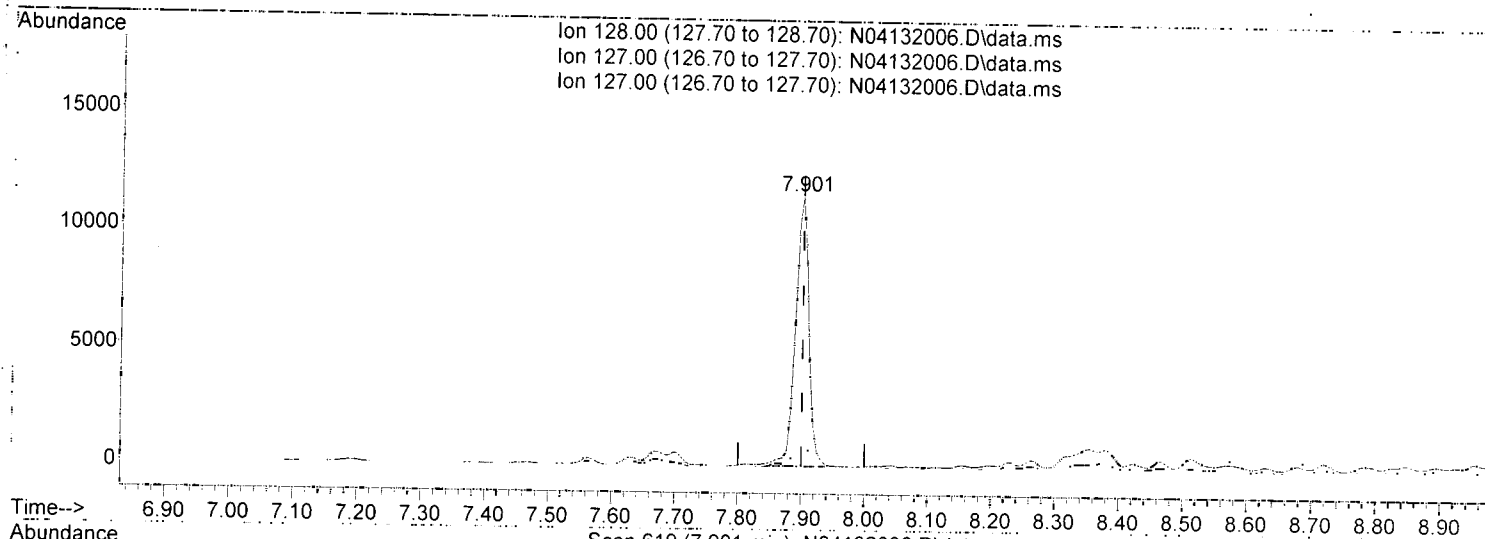
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) |
|------------------------------------|--------|------|----------|--------|-------|-----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 270689 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 158810 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 295158 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 283619 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 296110 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 237808 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 287 | 0.34 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 535 | 0.22 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 865 | 0.32 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 16994 | 5.76 | ng/ml | 100 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 105464 | 53.27 | ng/ml | 97 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 81549 | 41.49 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1372 | 0.55 | ng/ml | 90 |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 50395 | 29.44 | ng/ml | 97 |
| 11) Acenaphthylene | 9.492 | 152 | 23930 | 8.08 | ng/ml | 92 |
| 12) Acenaphthene | 9.667 | 153 | 140943 | 64.88 | ng/ml | 100 |
| 13) Dibenzofuran | 9.836 | 168 | 14532 | 5.53 | ng/ml | 89 |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 21070 | 12.38 | ng/ml | 95 |
| 15) Fluorene | 10.185 | 166 | 79604 | 38.11 | ng/ml | 99 |
| 17) Benzothiope | 11.031 | 184 | 88188 | 29.57 | ng/ml | 95 |
| 18) Phenanthrene | 11.165 | 178 | 702326 | 206.72 | ng/ml | 99 |
| 19) Anthracene | 11.211 | 178 | 127240 | 45.73 | ng/ml | 98 |
| 20) Carbazole | 11.369 | 167 | 16517 | 6.88 | ng/ml | 95 |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 50018 | 21.83 | ng/ml | 98 |
| 22) Fluoranthene | 12.424 | 202 | 368624 | 110.09 | ng/ml | 96 |
| 24) Pyrene | 12.715 | 202 | 479795 | 130.43 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 97789 | 33.25 | ng/ml | 72 |
| 27) Chrysene | 14.953 | 228 | 116915 | 38.65 | ng/ml | 97 |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 95585 | 31.23 | ng/ml | 91 |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 116075 | 38.04 | ng/ml | 90 |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 132466 | 41.15 | ng/ml | 90 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 63665 | 19.89 | ng/ml | 98 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 94737 | 38.95 | ng/ml | 95 |
| 34) Perylene | 18.410 | 252 | 25101 | 7.62 | ng/ml | 98 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 59542 | 23.05 | ng/ml | 77 |
| 37) Dibenz(a,h)anthracene | 20.788 | 278 | 7569 | 0.91 | ng/ml | 88 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 75826 | 27.36 | ng/ml | 77 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.901min (0.000) 5.76 ng/ml

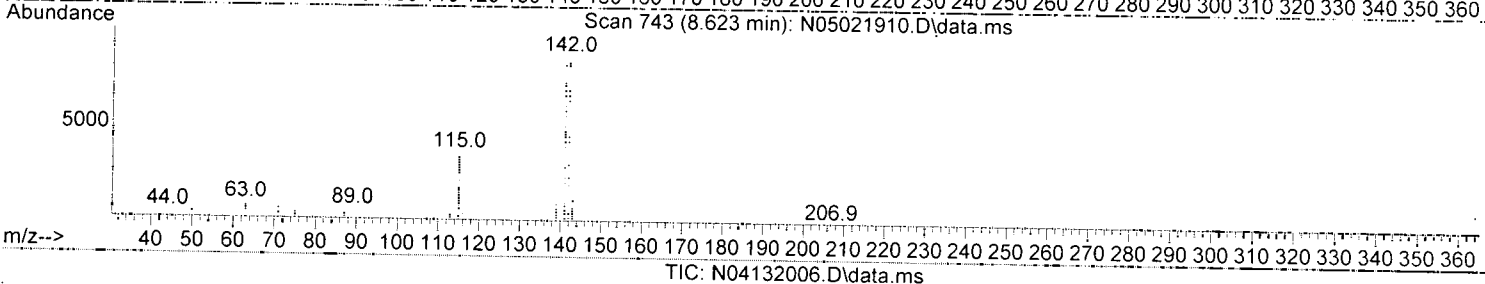
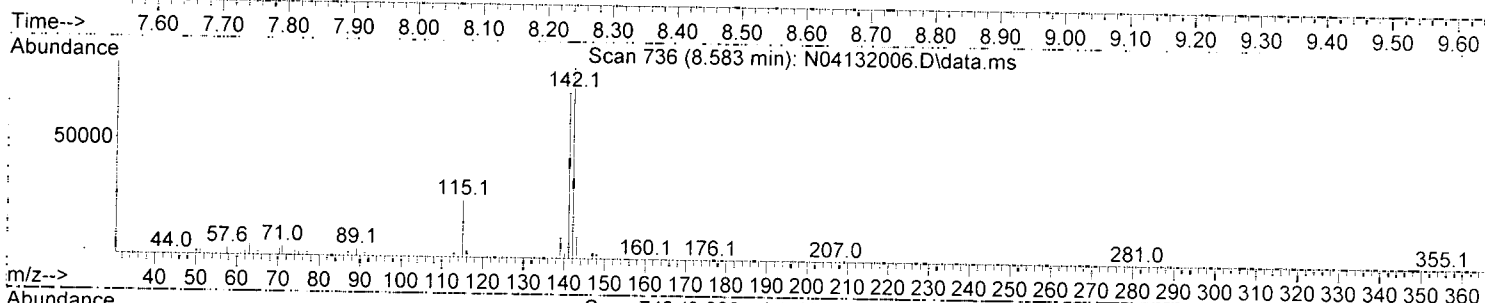
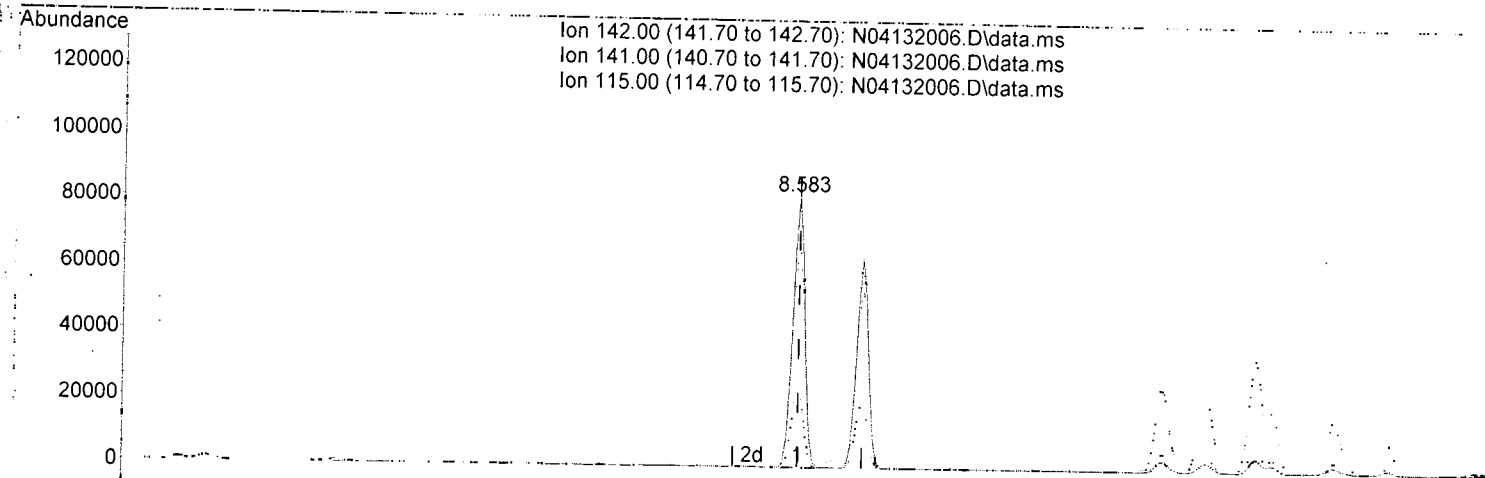
response 16994

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 12.60 |
| 127.00 | 12.60 | 12.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

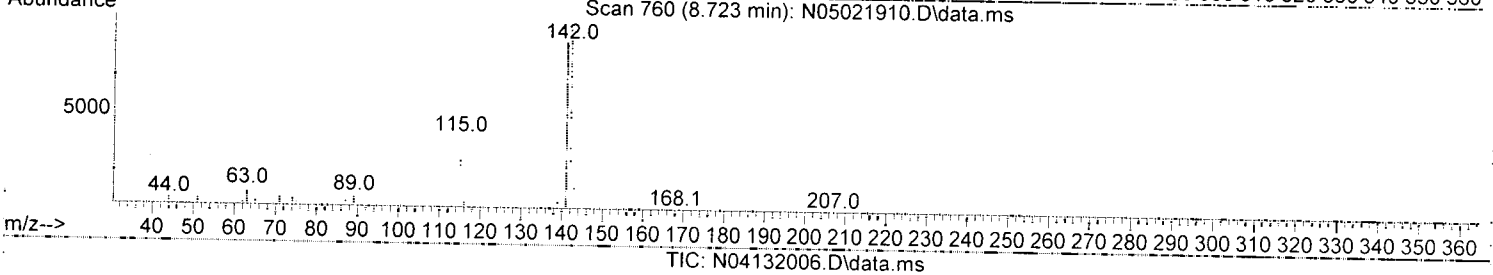
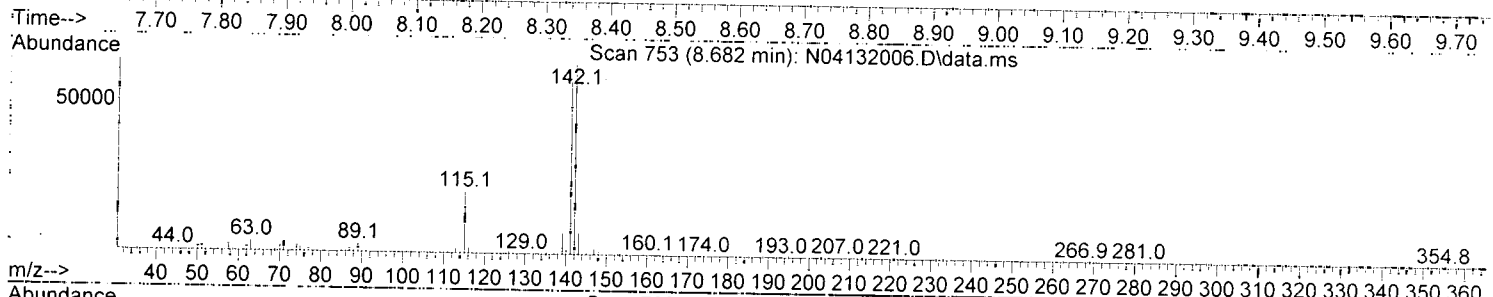
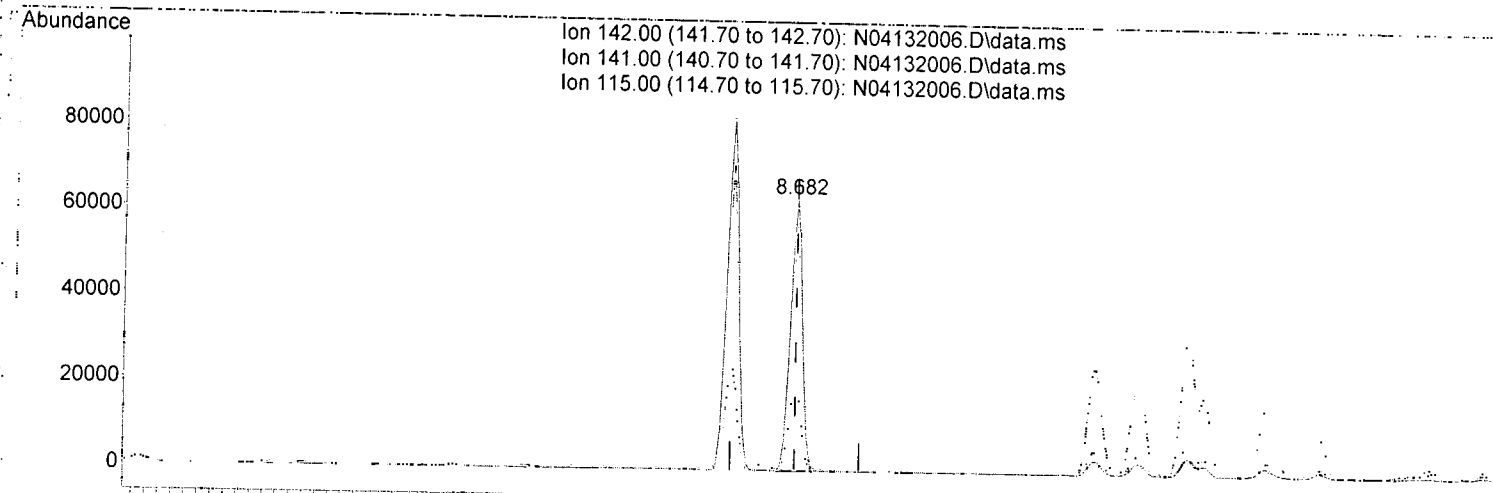
8.583min (0.000) 53.27 ng/ml

| response | 105464 |
|----------|---------------|
| Ion | Exp% Act% |
| 142.00 | 100.00 100.00 |
| 141.00 | 86.60 86.54 |
| 115.00 | 35.70 30.25 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (-0.000) 41.49 ng/ml

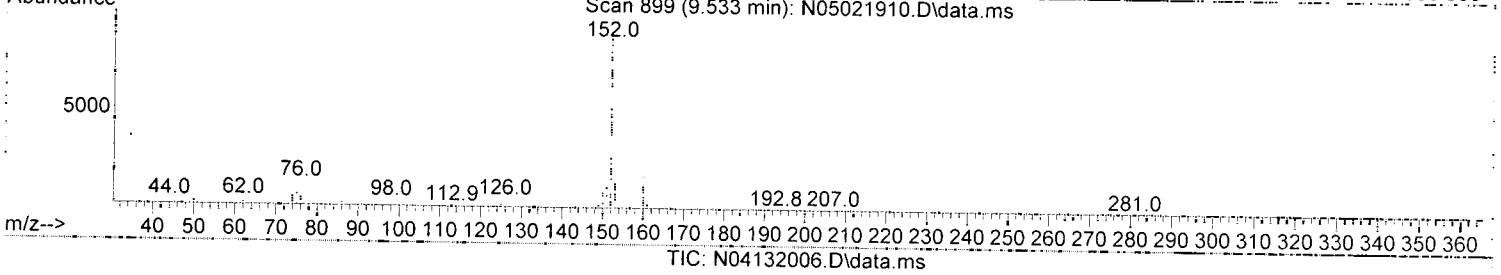
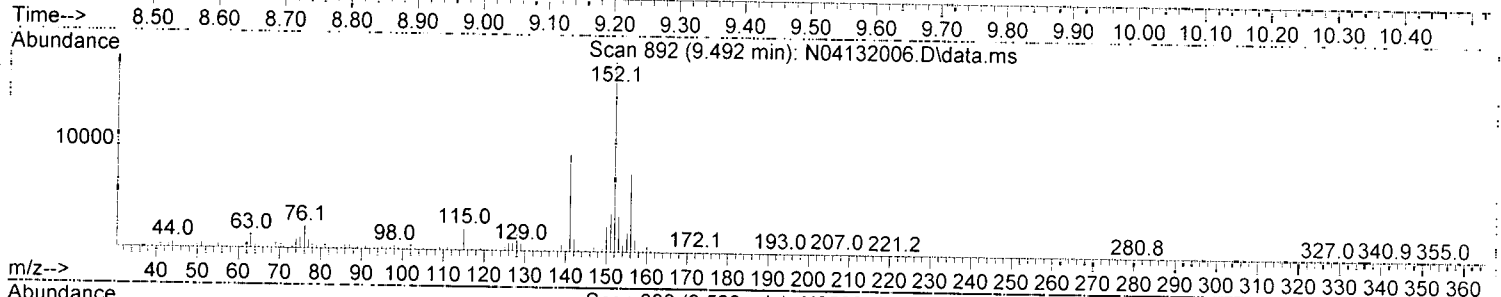
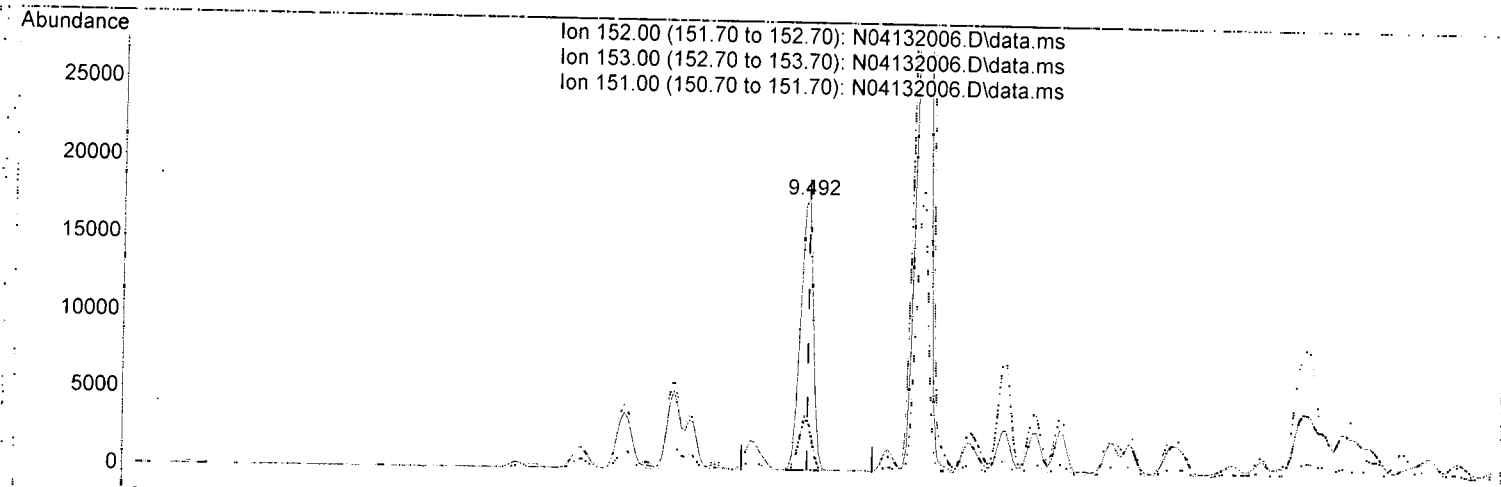
response 81549

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 90.87 |
| 115.00 | 37.80 | 32.61 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.492min (0.000) 8.08 ng/ml

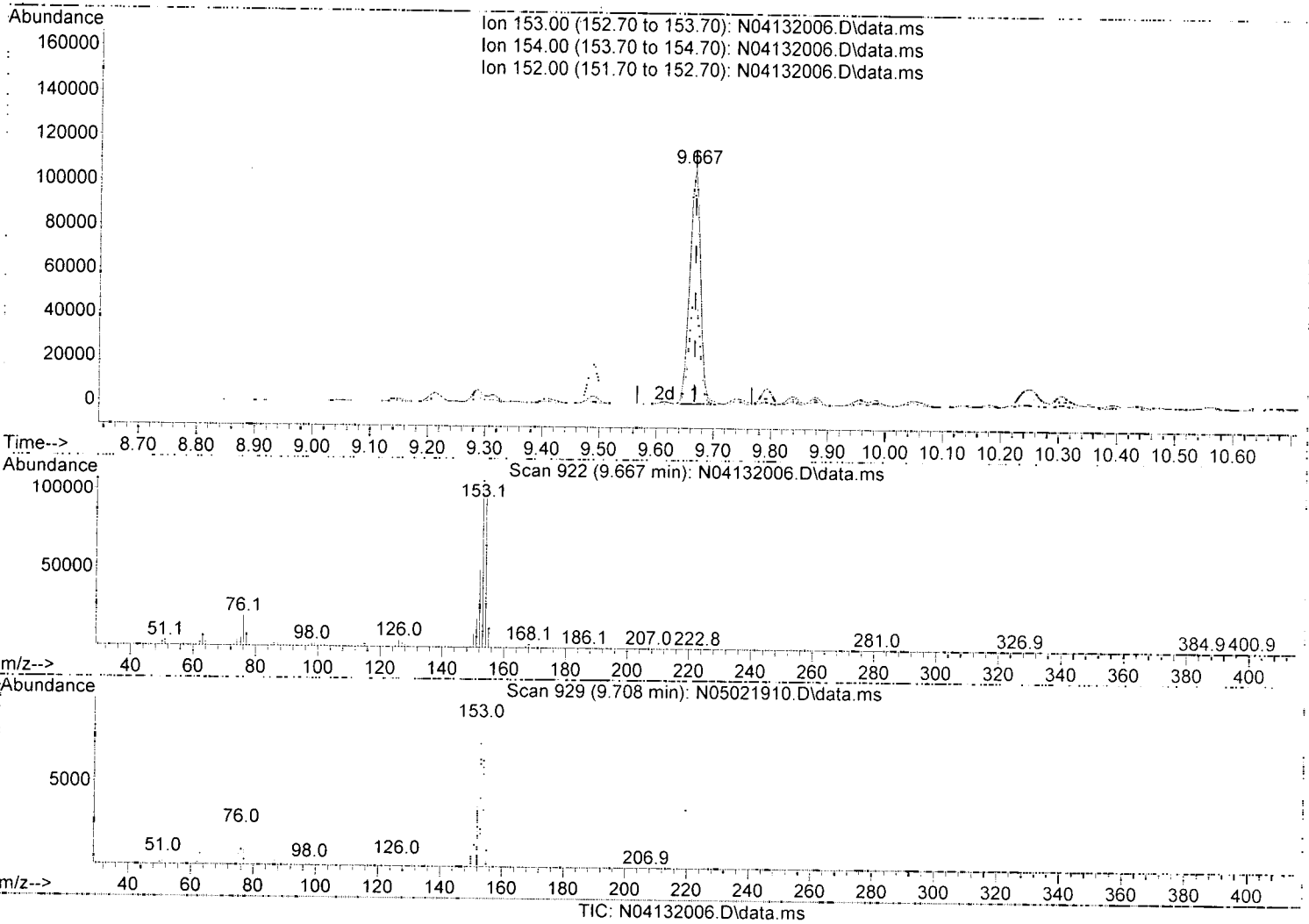
response 23930

| Ion | Exp% | Act% |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 18.86 |
| 151.00 | 19.30 | 20.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.667min (-0.000) 64.88 ng/ml

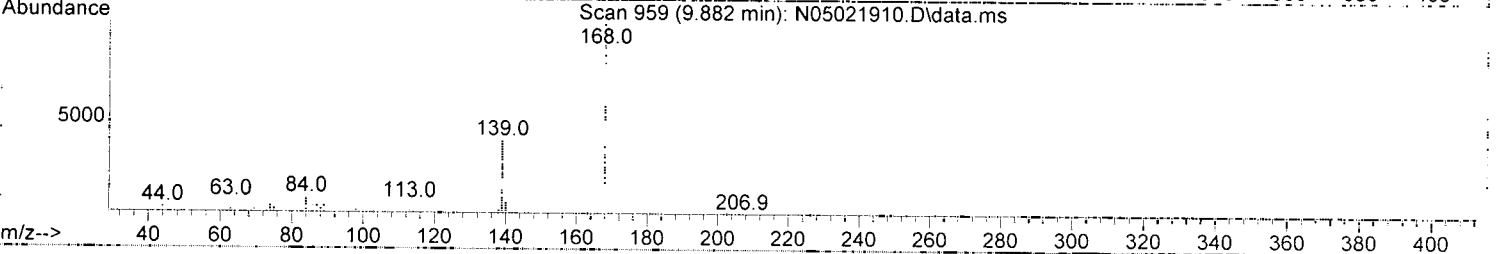
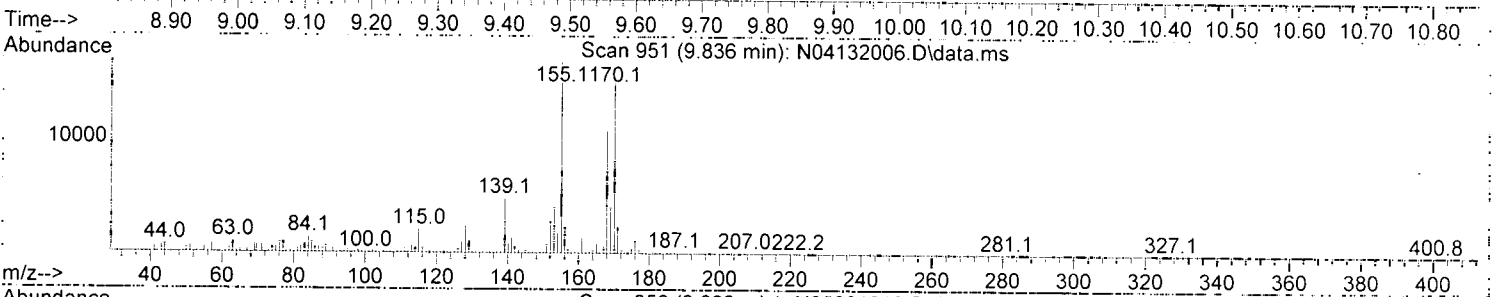
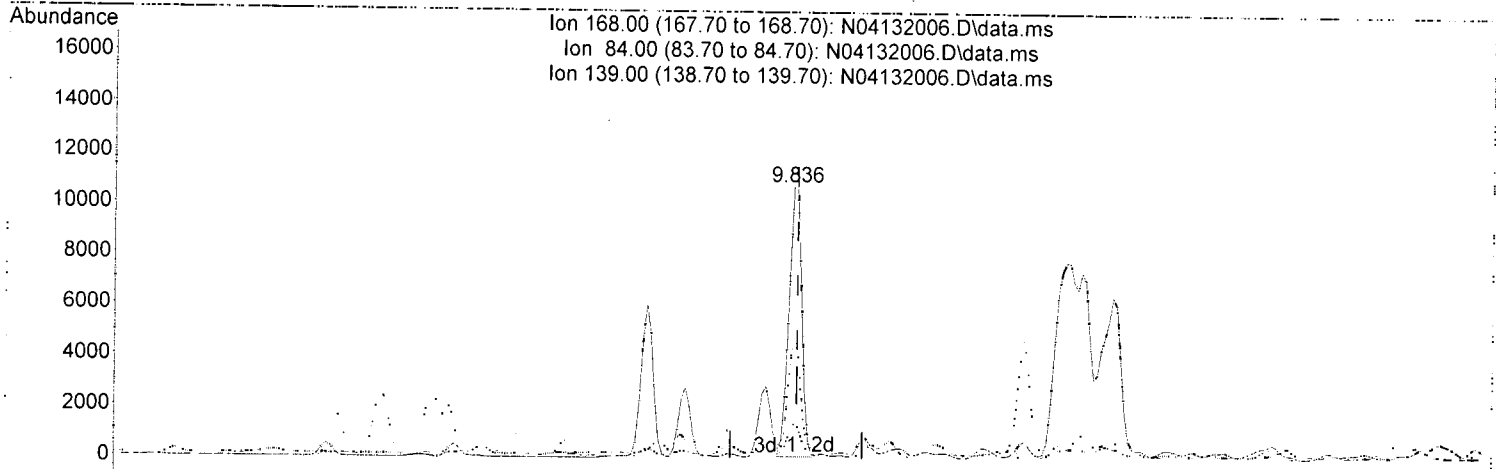
response 140943

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 91.36 |
| 152.00 | 46.80 | 46.79 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132006.D\data.ms

(13) Dibenzofuran (T)

9.836min (-0.006) 5.53 ng/ml

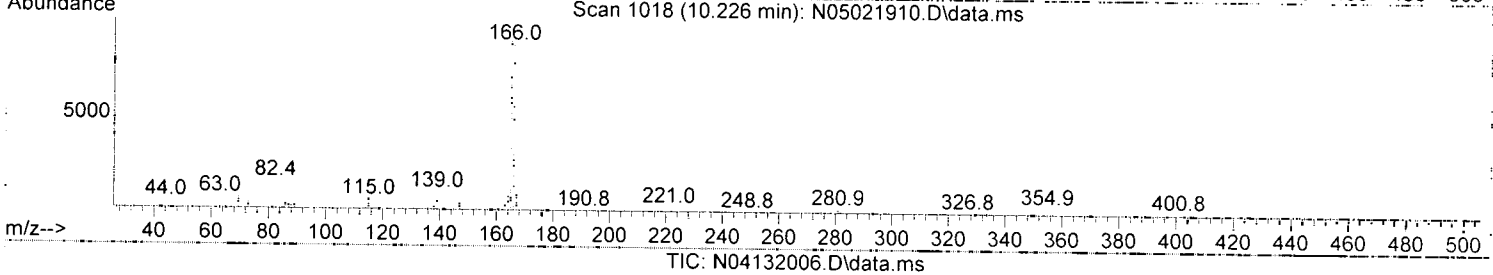
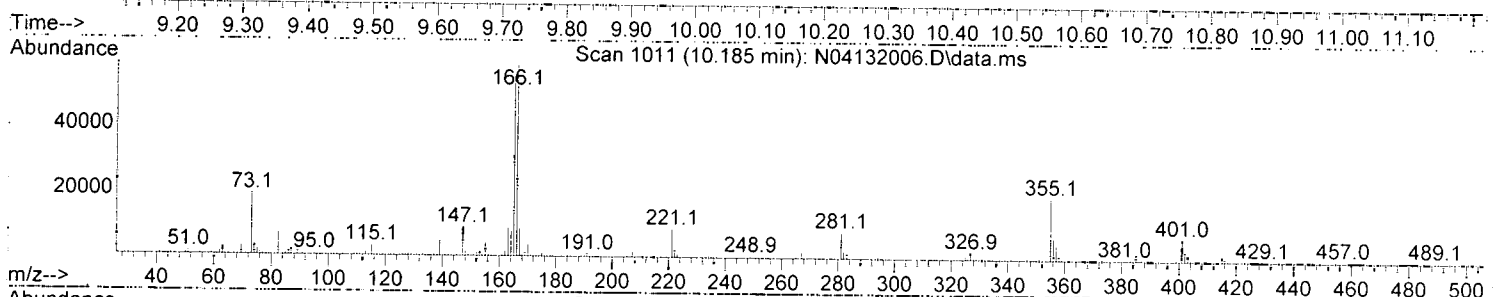
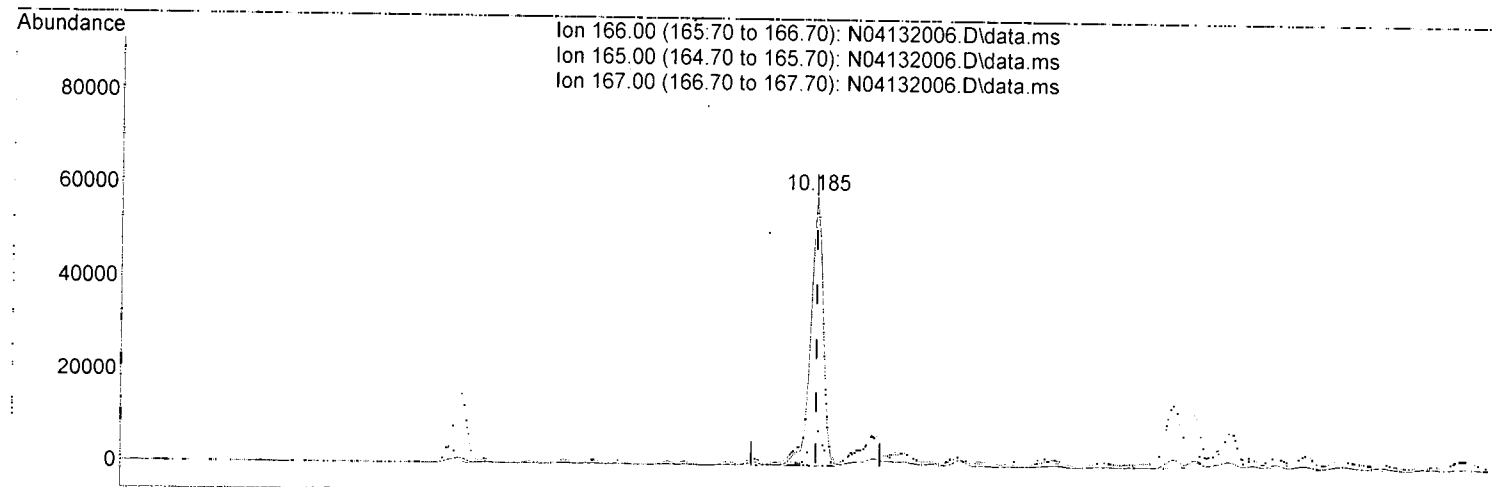
response 14532

| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 12.91 |
| 139.00 | 38.40 | 44.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.185min (-0.000) 38.11 ng/ml

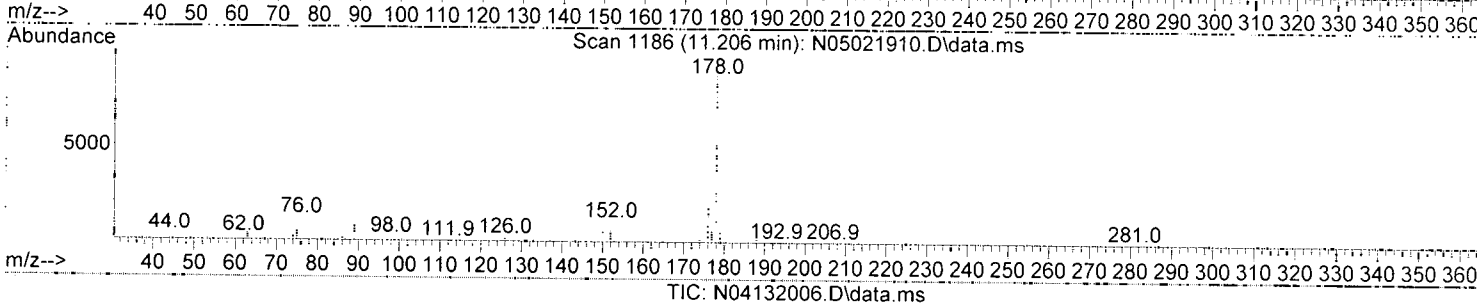
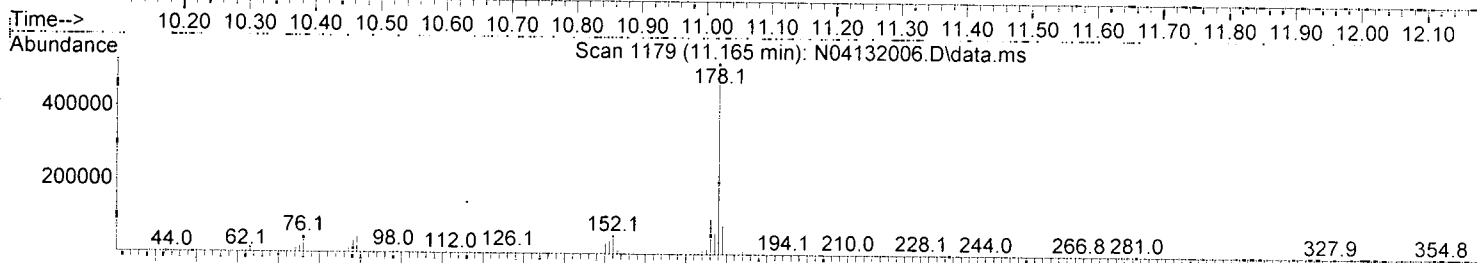
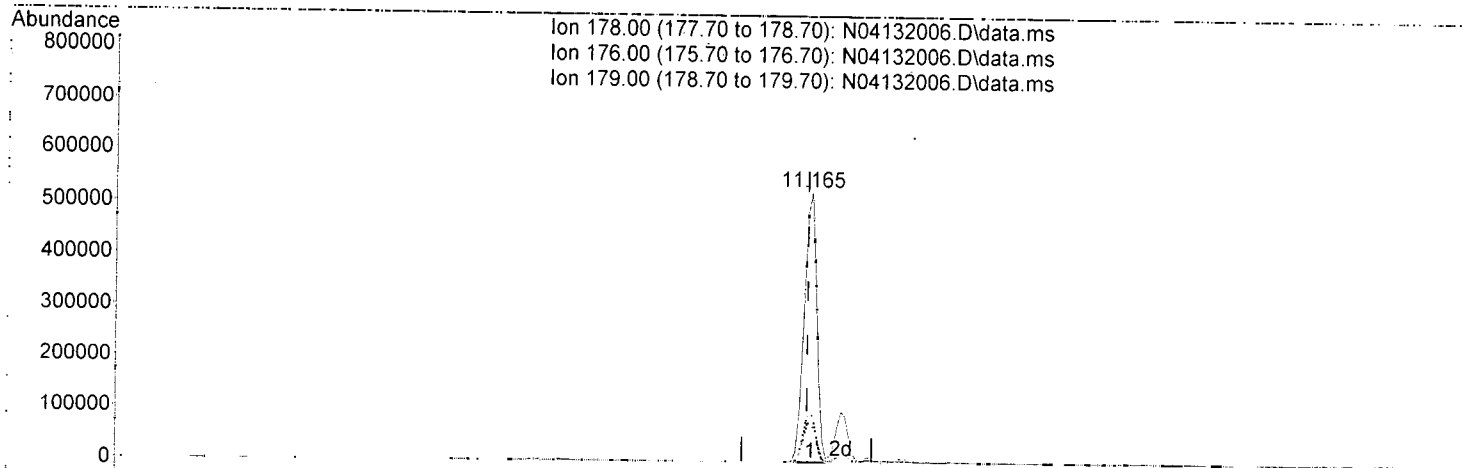
response 79604

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 94.58 |
| 167.00 | 13.60 | 14.50 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132006.D\data.ms

(18) Phenanthrene (T)

11.165min (+ 0.006) 206.72 ng/ml

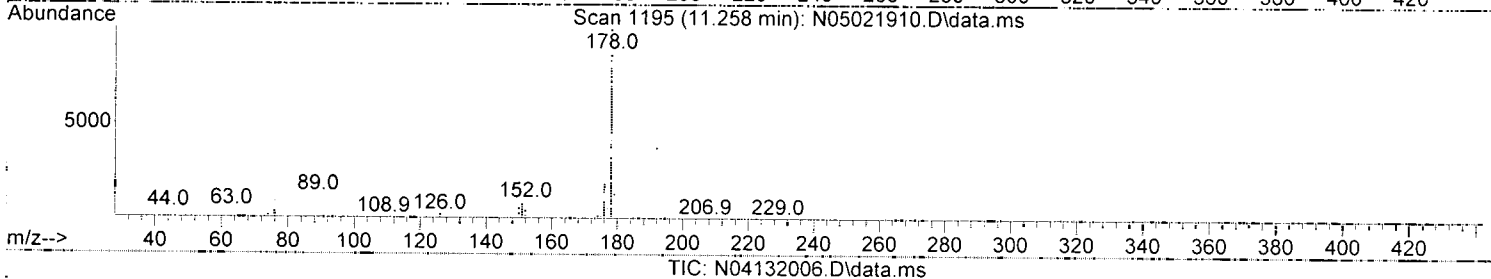
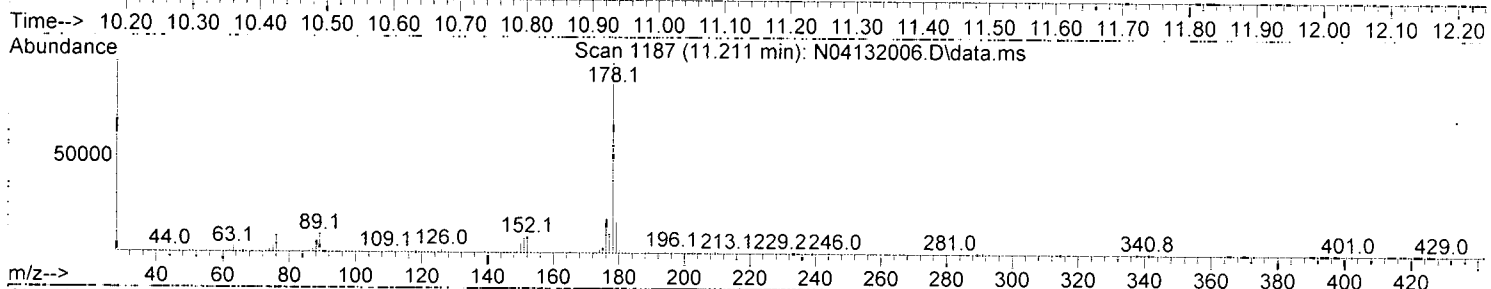
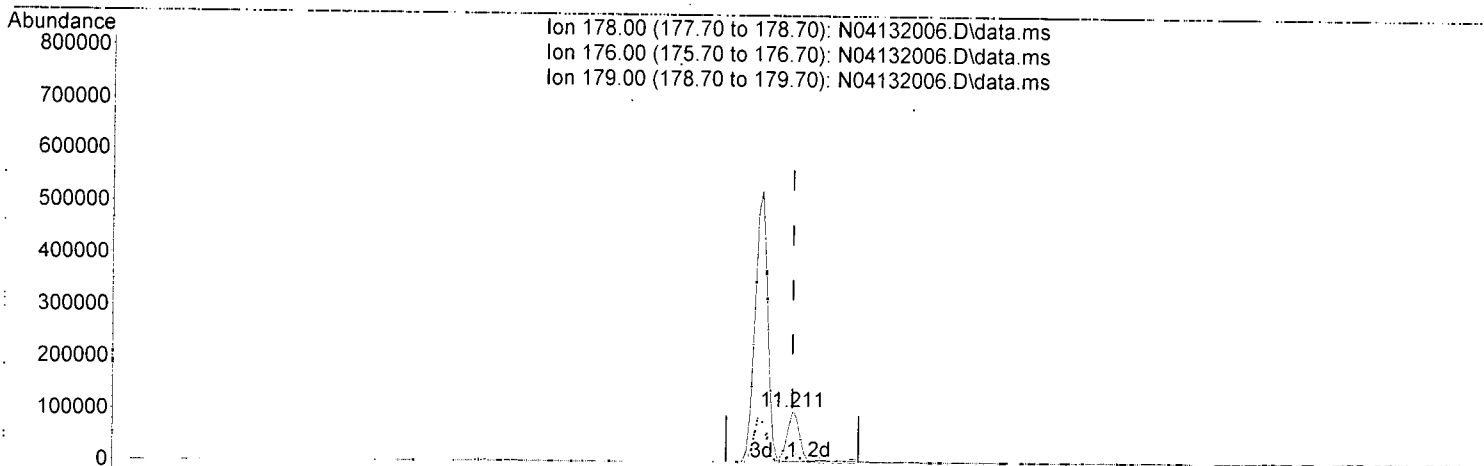
response 702326

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.71 |
| 179.00 | 15.10 | 15.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (0.000) 45.73 ng/ml

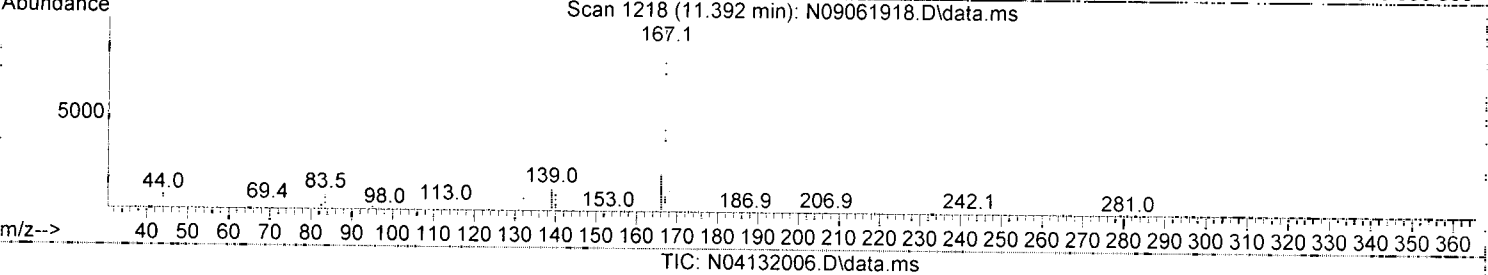
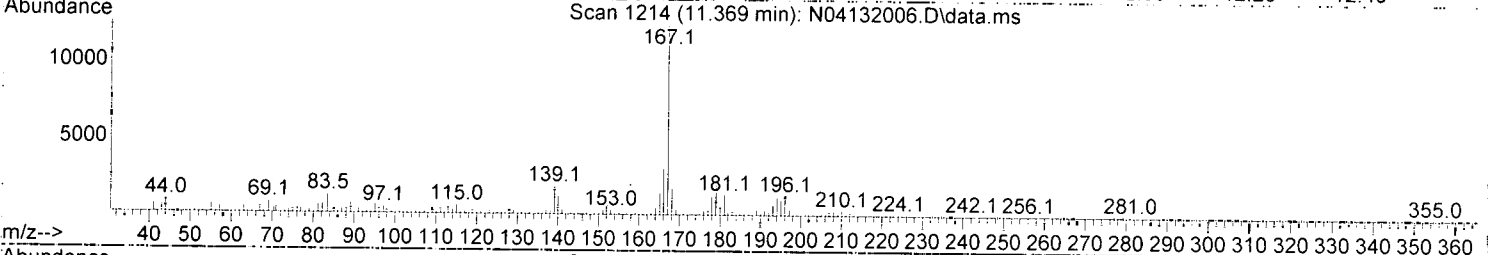
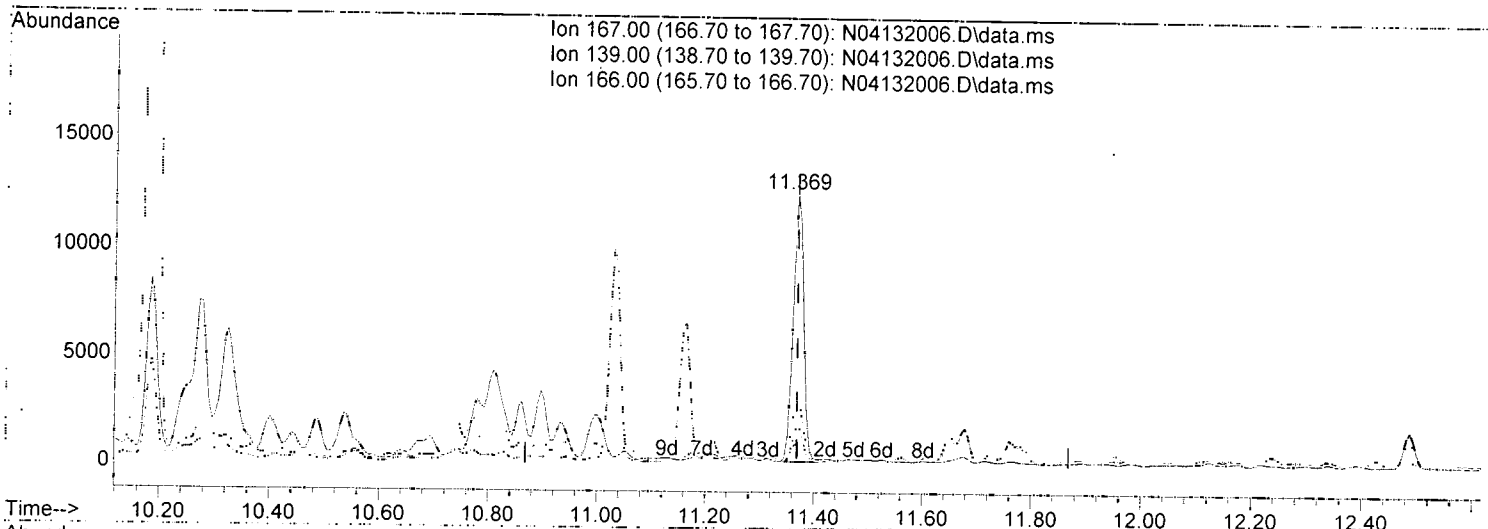
response 127240

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.60 |
| 179.00 | 15.30 | 16.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(20) Carbazole (T)

11.369min (-0.000) 6.88 ng/ml

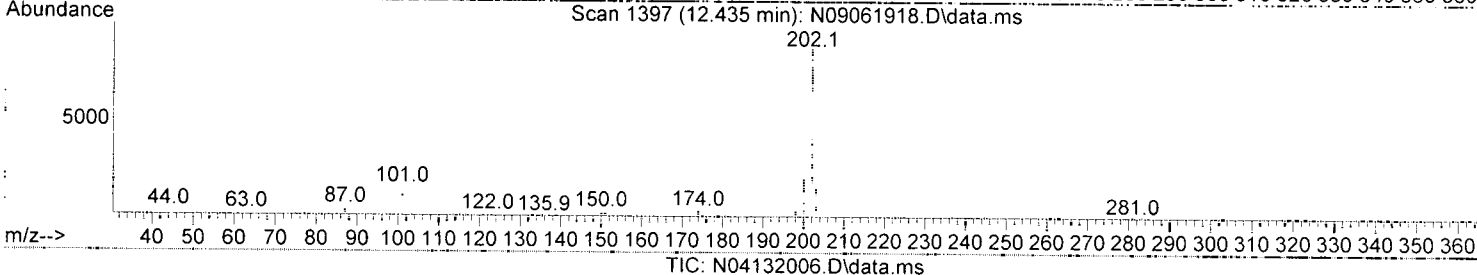
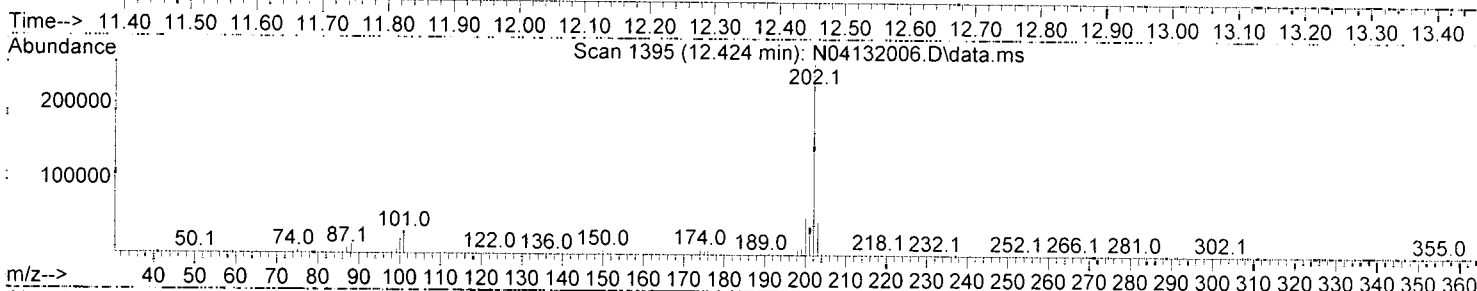
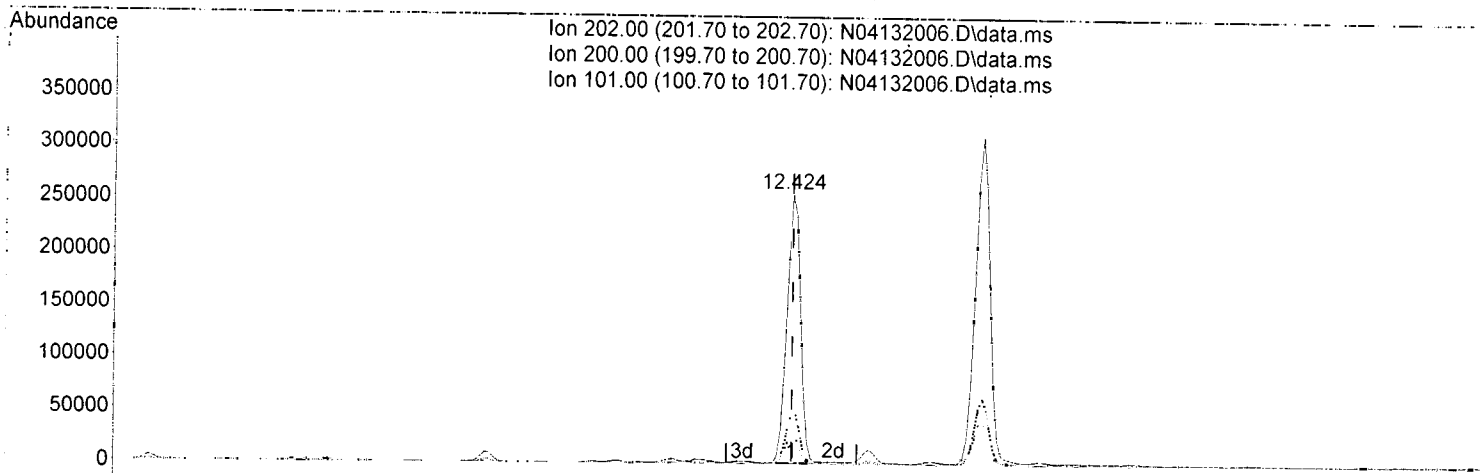
response 16517

| Ion | Exp% | Act% |
|--------|--------|--------|
| 167.00 | 100.00 | 100.00 |
| 139.00 | 13.50 | 14.70 |
| 166.00 | 21.10 | 24.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132006.D\data.ms

(22) Fluoranthene (T)

12.424min (-0.000) 110.09 ng/ml

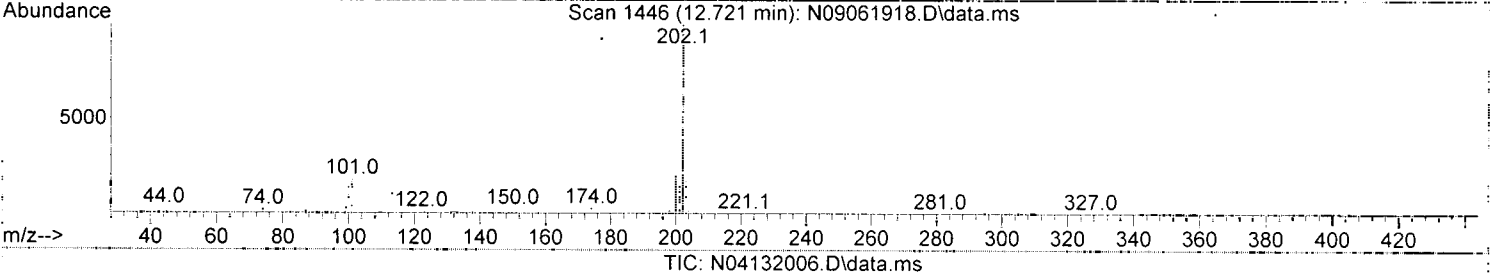
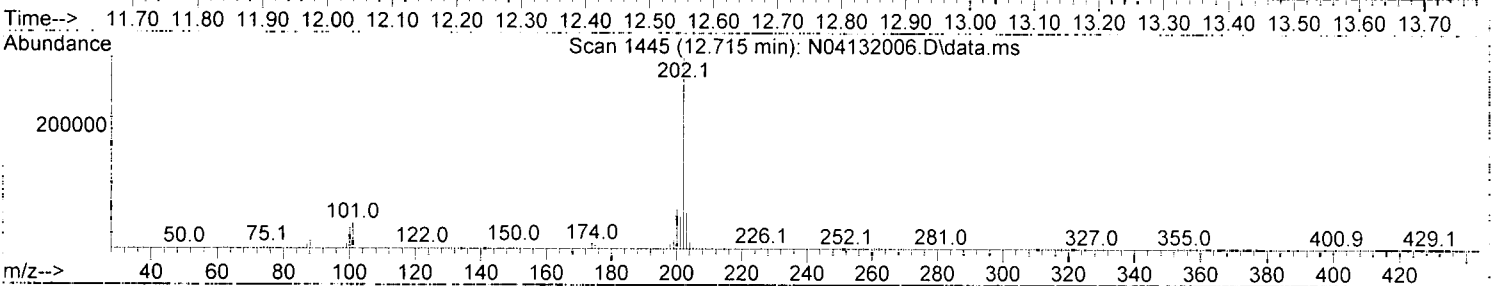
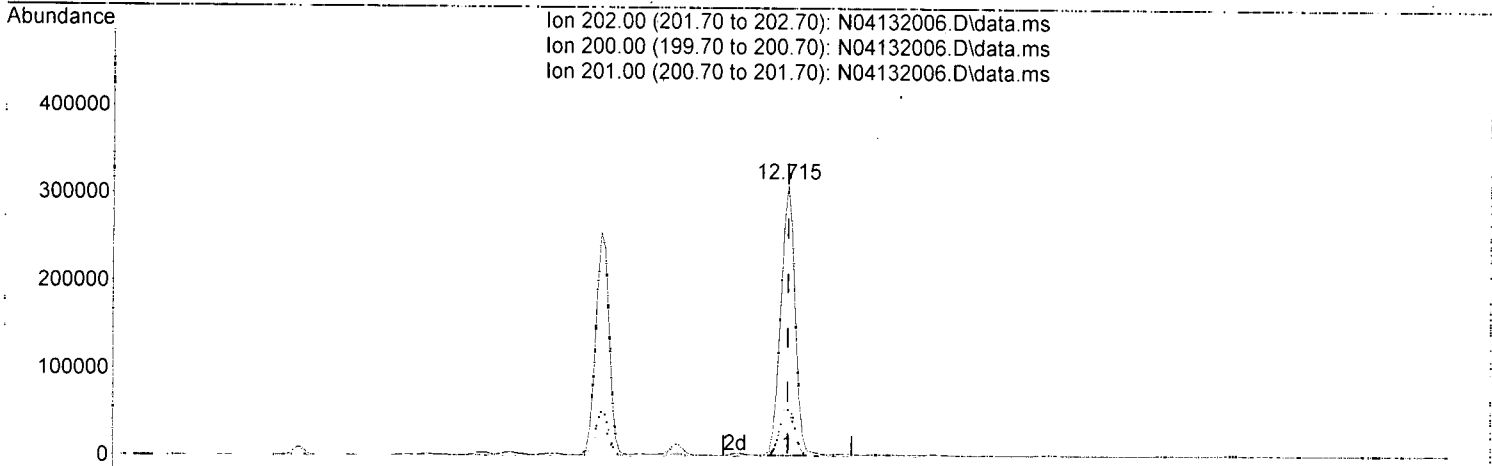
response 368624

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.60 |
| 101.00 | 15.30 | 11.31 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.715min (-0.000) 130.43 ng/ml

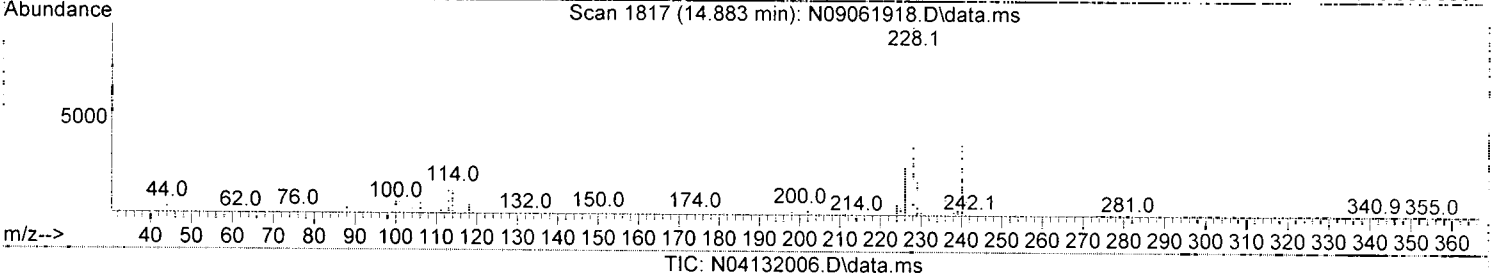
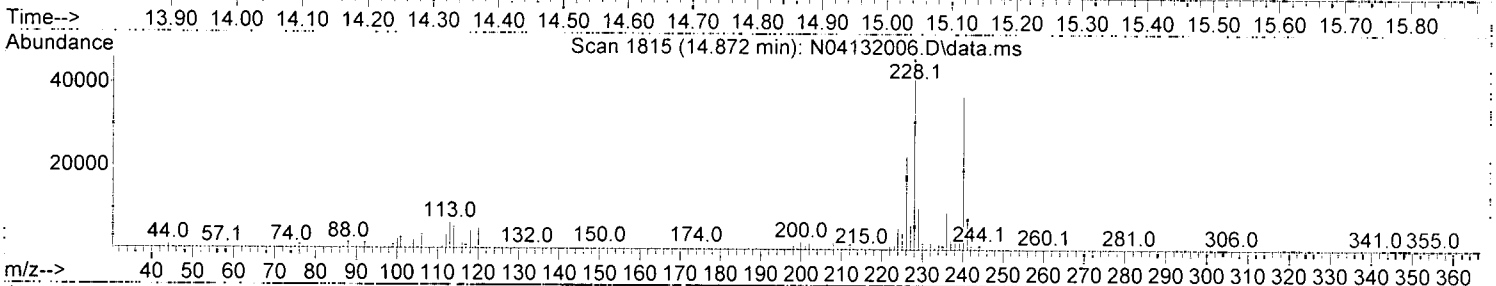
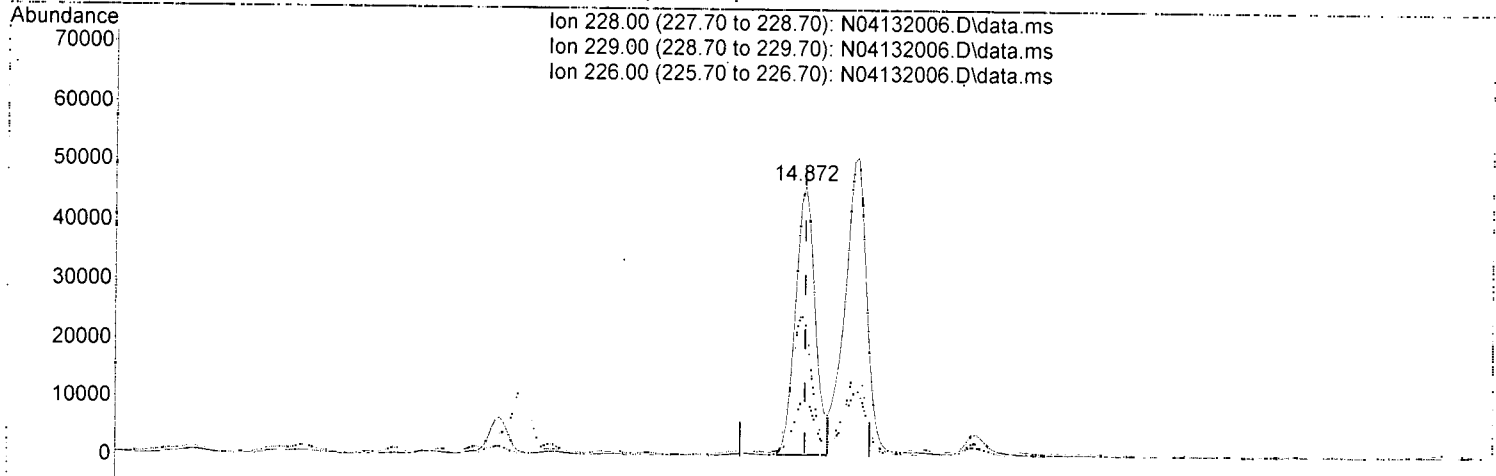
response 479795

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.02 |
| 201.00 | 16.80 | 17.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.872min (0.000) 33.25 ng/ml

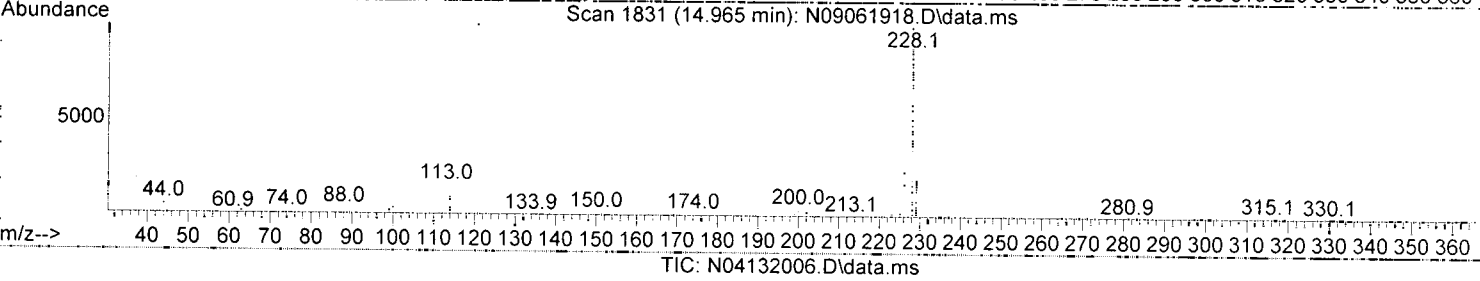
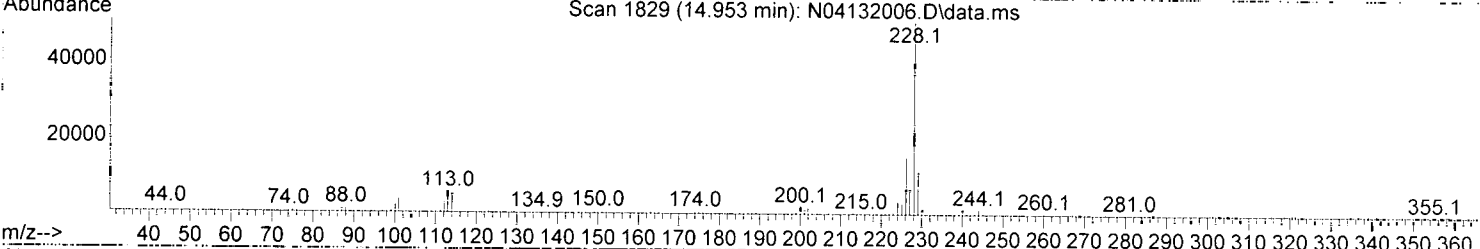
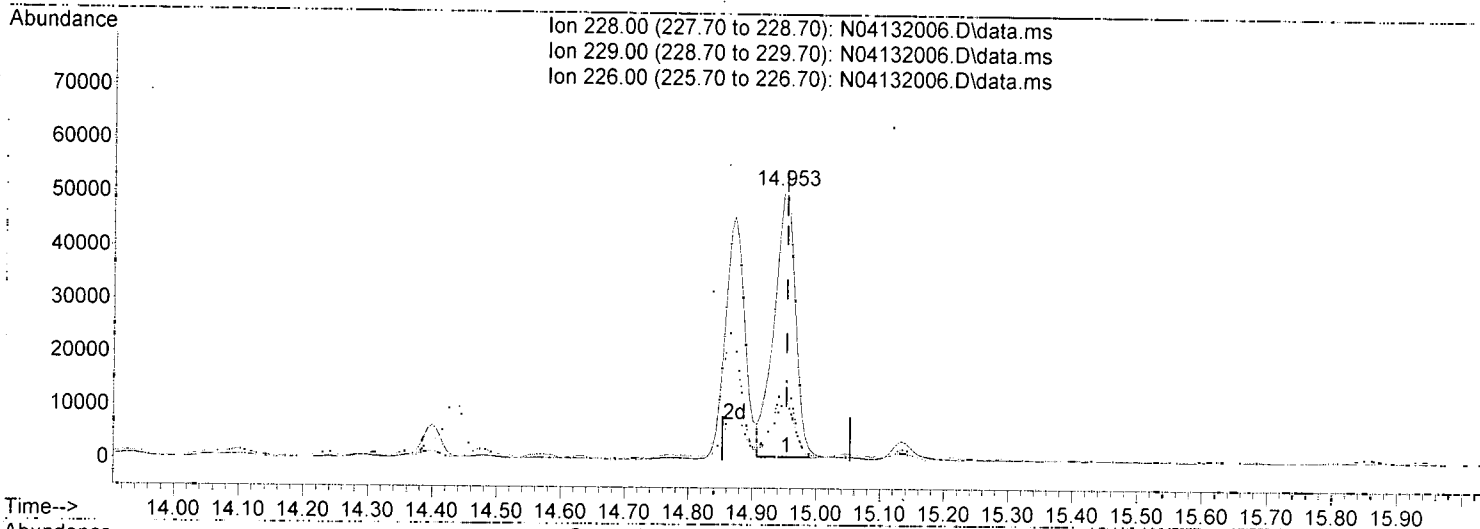
response 97789

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 21.65 |
| 226.00 | 26.20 | 49.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(27) Chrysene (T)

14.953min (0.000) 38.65 ng/ml

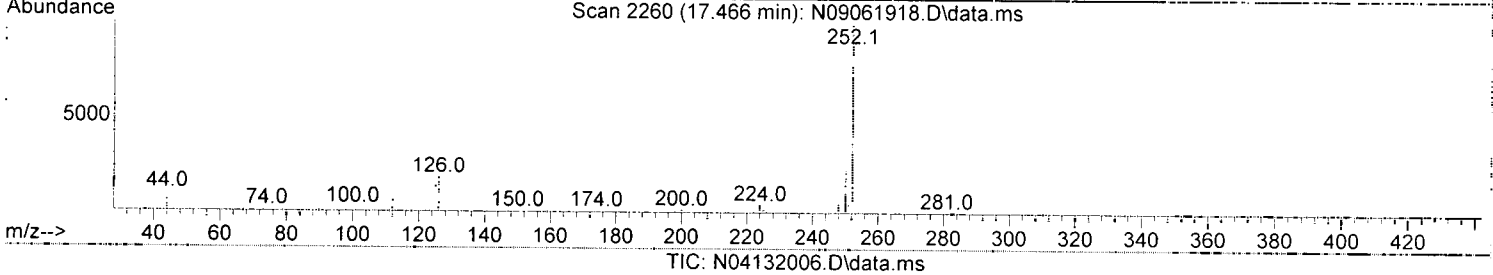
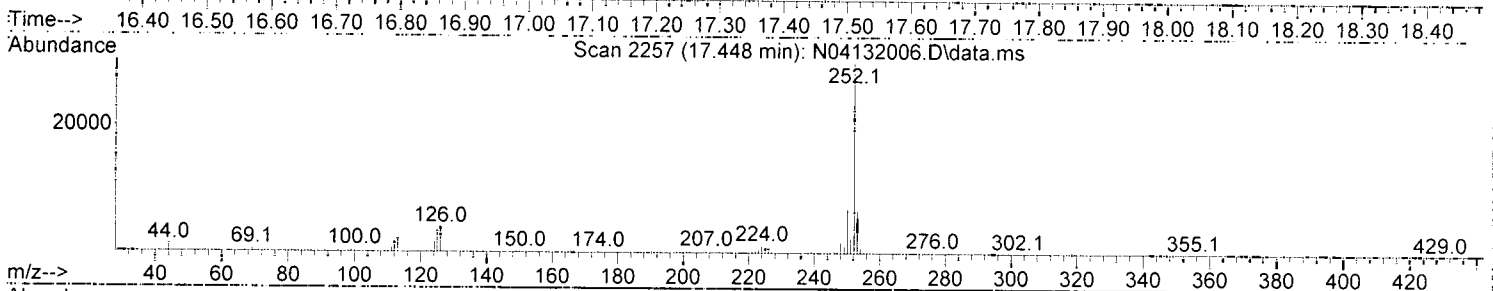
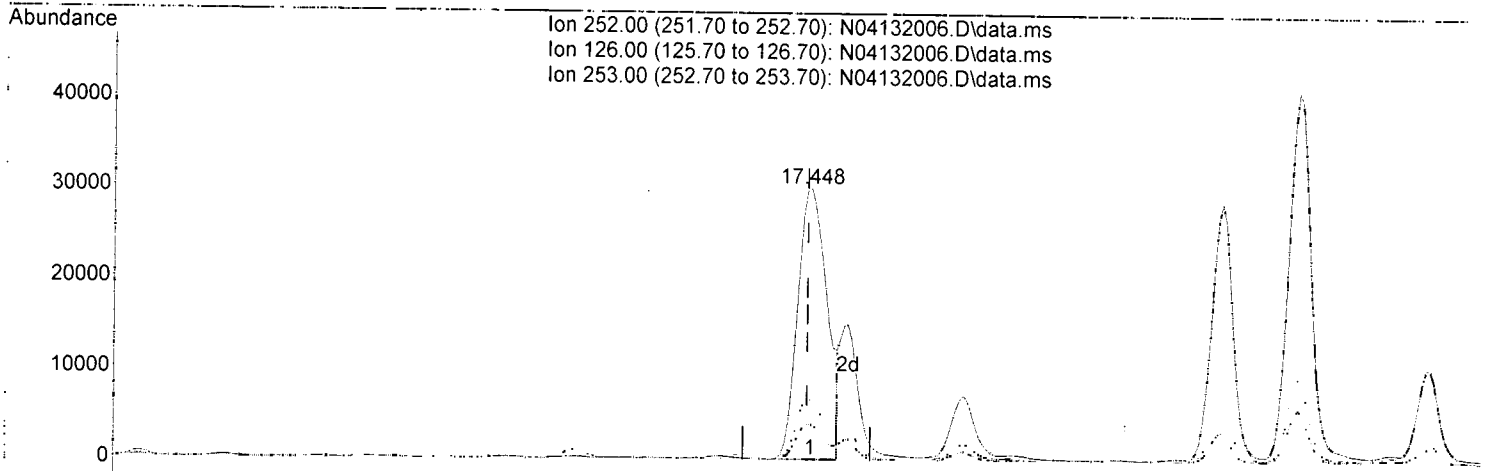
response 116915

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.85 |
| 226.00 | 28.60 | 29.48 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(29) Benzo(b)fluoranthene (T)

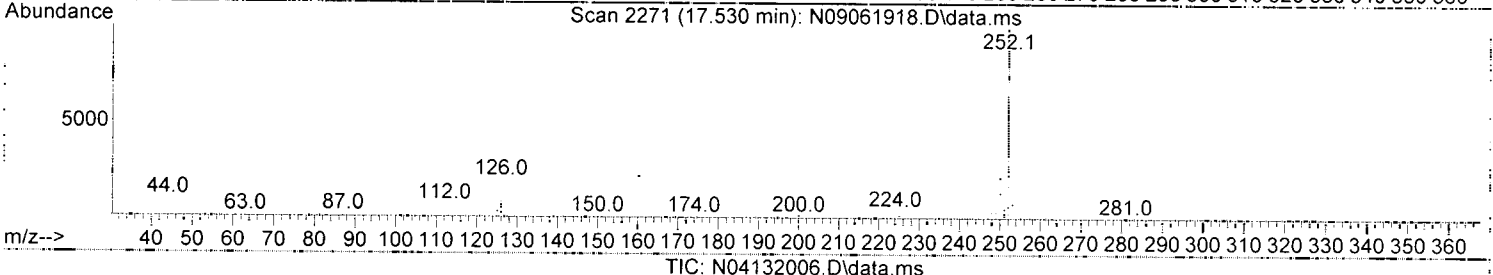
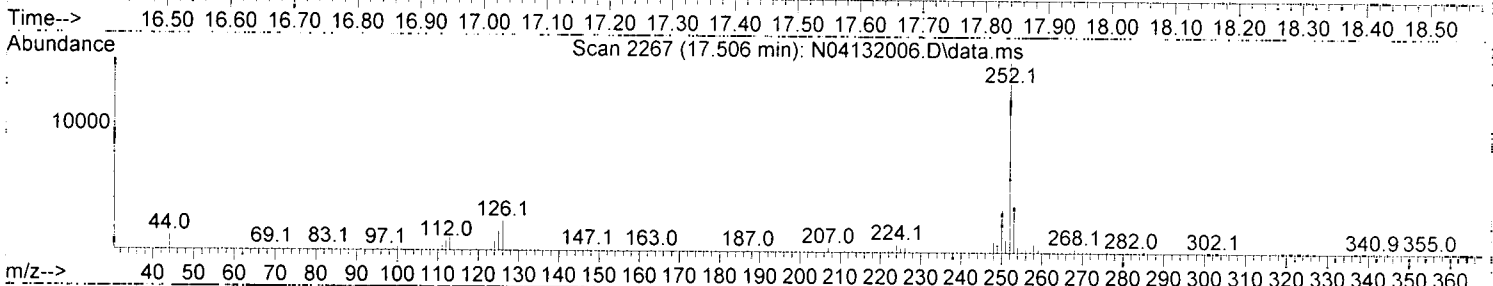
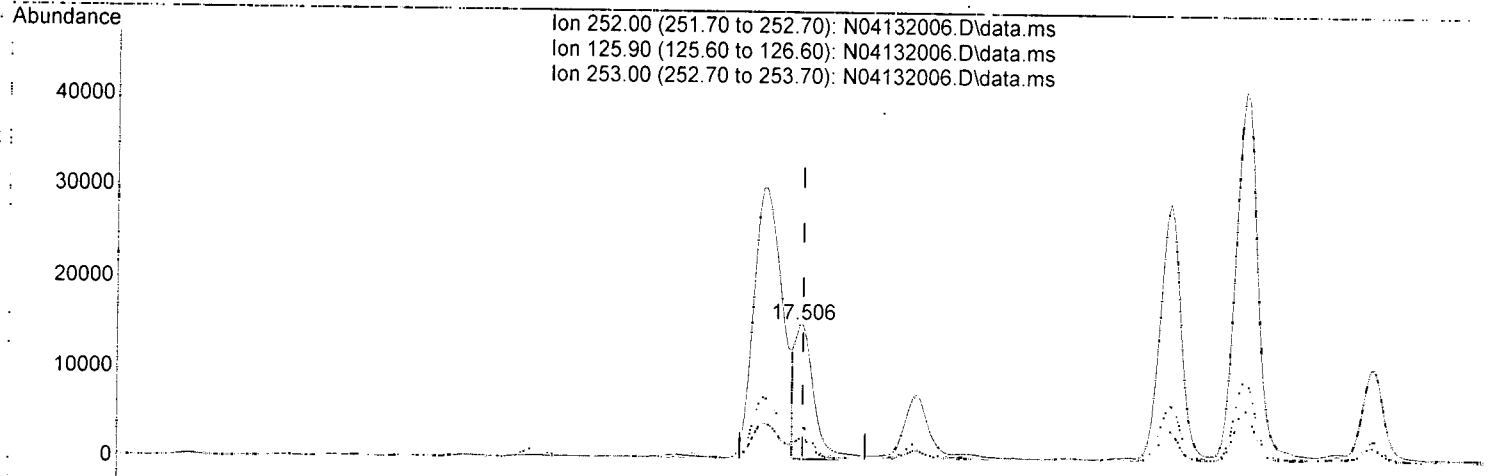
17.448min (+ 0.006) 31.23 ng/ml

| response | Exp% | Act% |
|----------|--------|--------|
| 95585 | | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 13.12 |
| 253.00 | 21.10 | 22.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132006.D
Acq On : 13 Apr 2020 10:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0212-03@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04132006.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.506min (-0.000) 9.96 ng/ml m

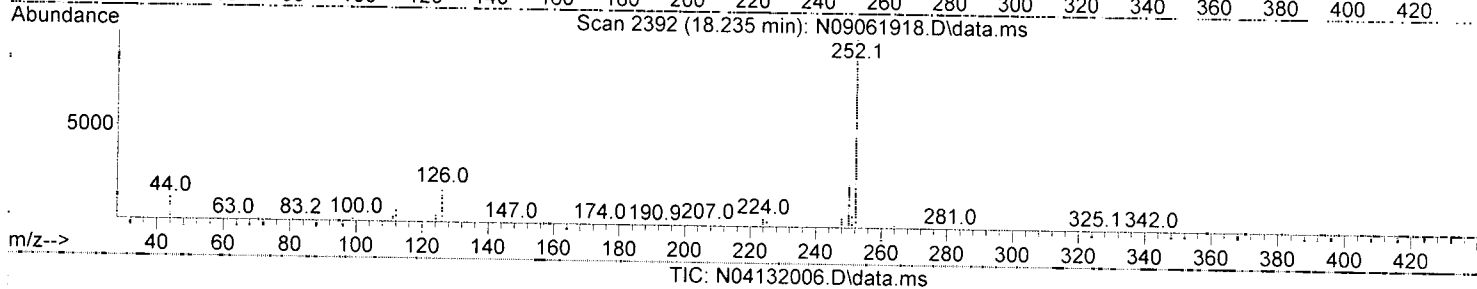
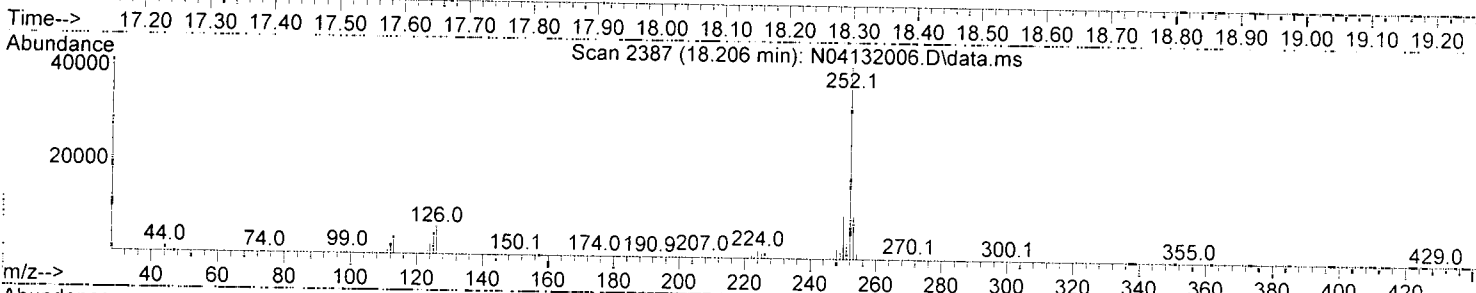
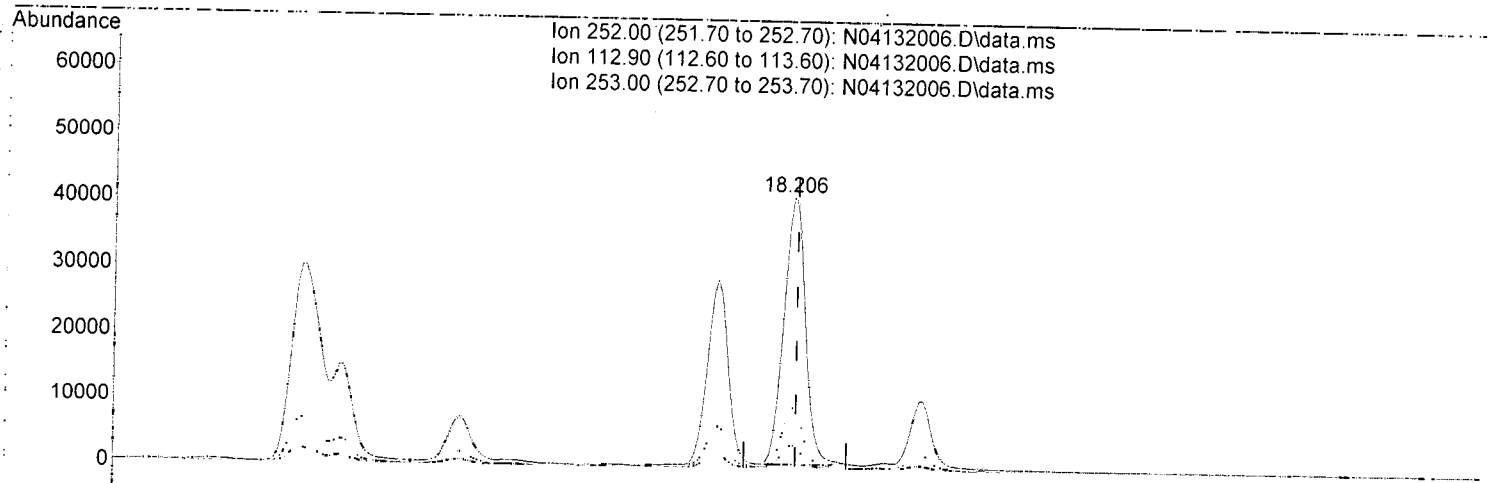
| response | Exp% | Act% |
|----------|--------|--------|
| 30382 | | |
| Ion | Exp% | Act% |
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.62 |
| 253.00 | 21.50 | 24.11 |
| 0.00 | 0.00 | 0.00 |

Handwritten notes:
AMS
4/13/20
MOS

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.206min (-0.006) 38.95 ng/ml

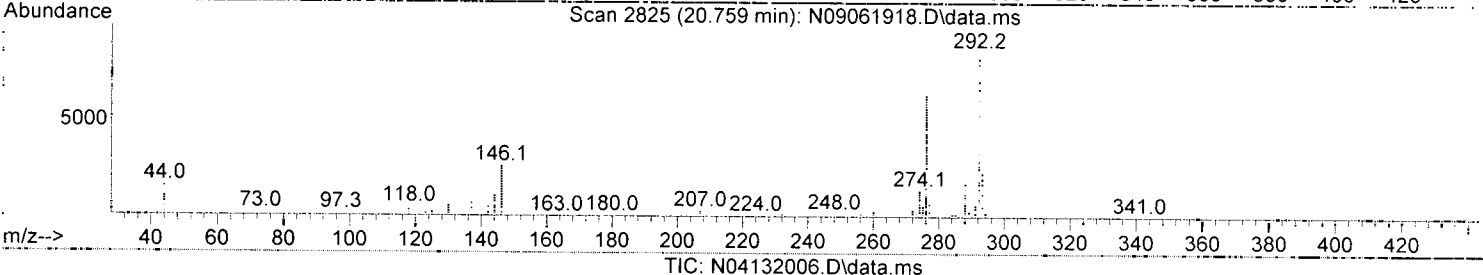
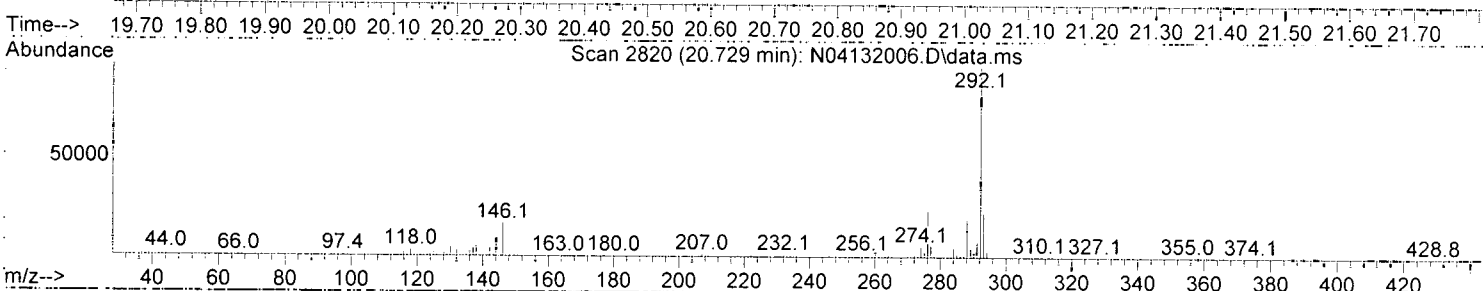
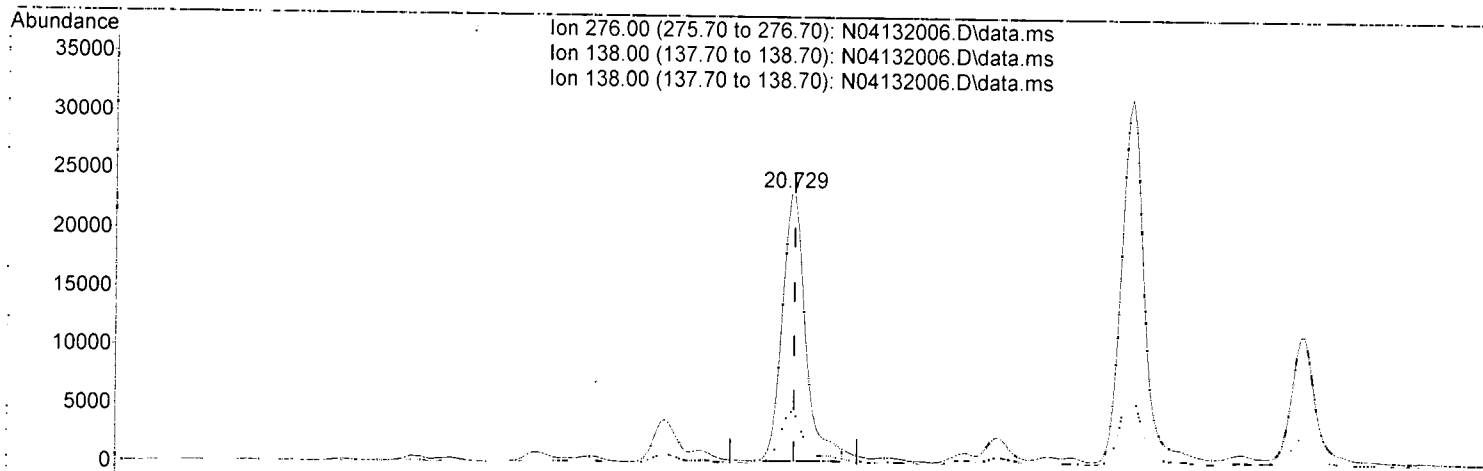
response 94737

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.78 |
| 253.00 | 21.90 | 22.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.729min (0.000) 23.05 ng/ml

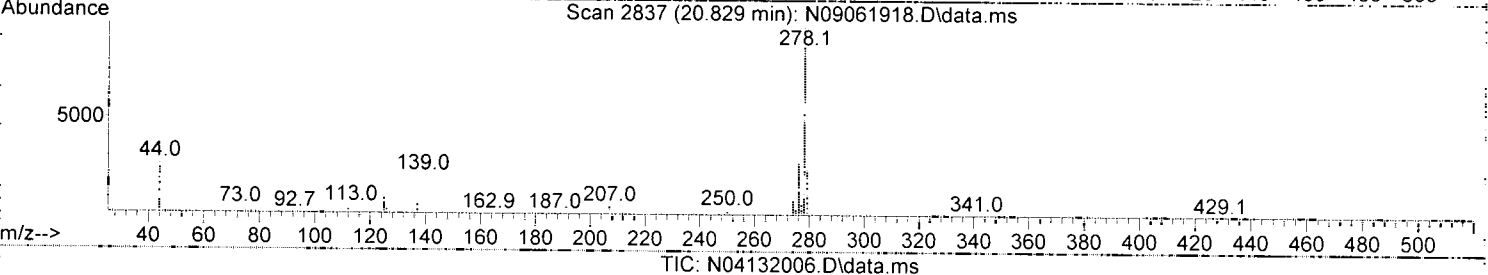
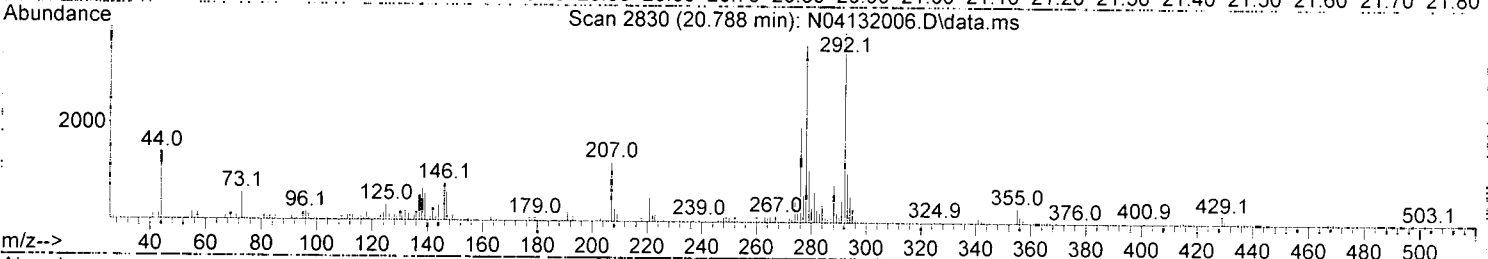
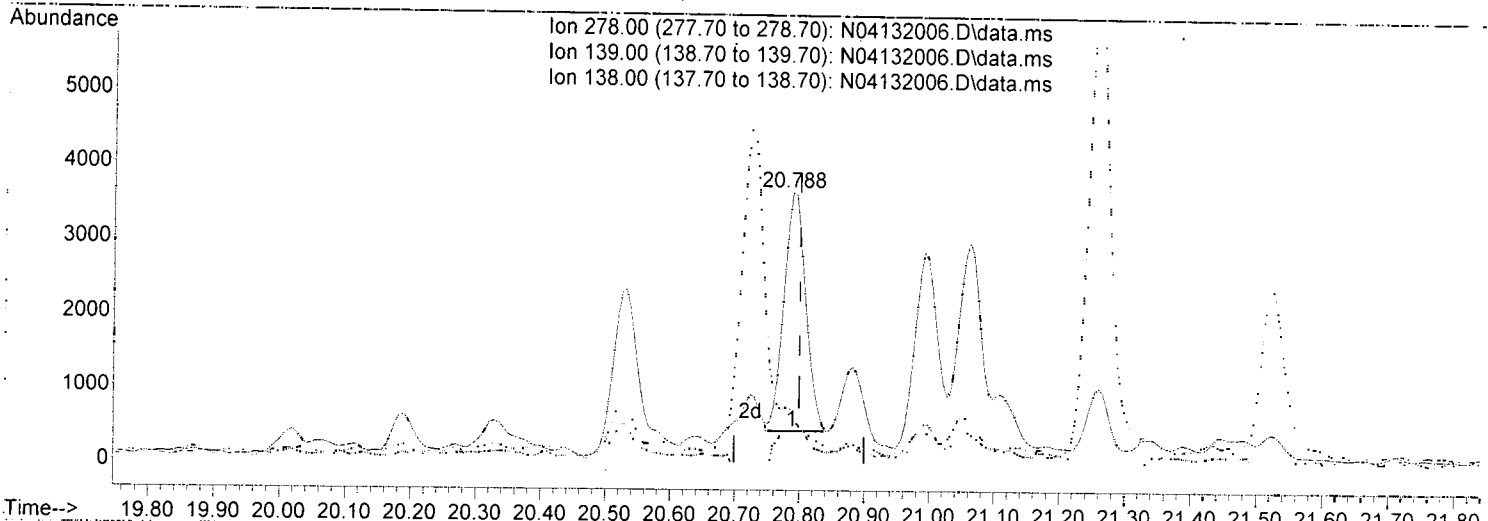
response 59542

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 19.11 |
| 138.00 | 31.60 | 19.11 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(37) Dibenz(a,h)anthracene (T)

20.788min (-0.012) 2.91 ng/ml

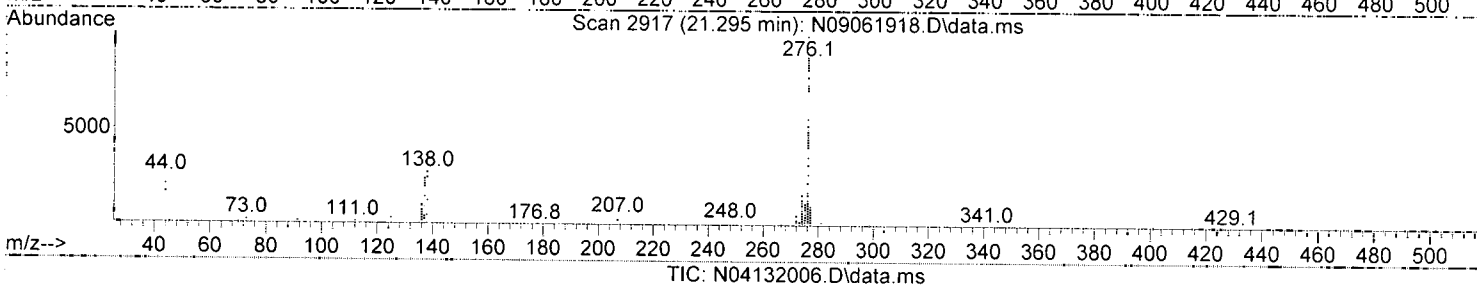
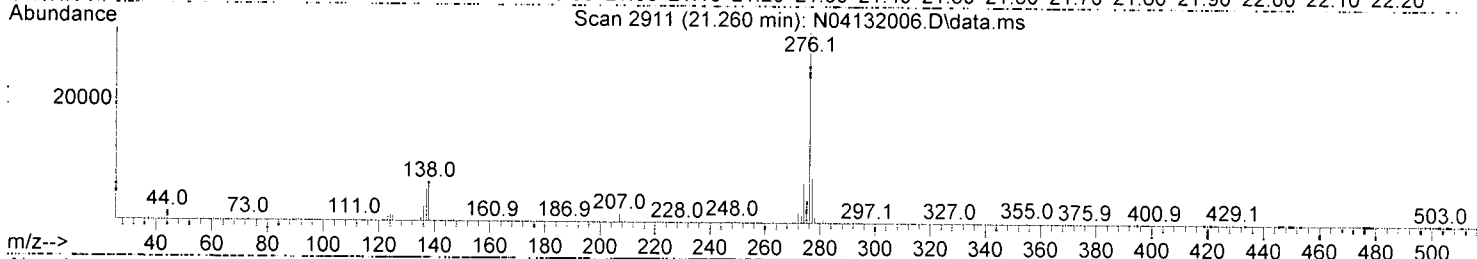
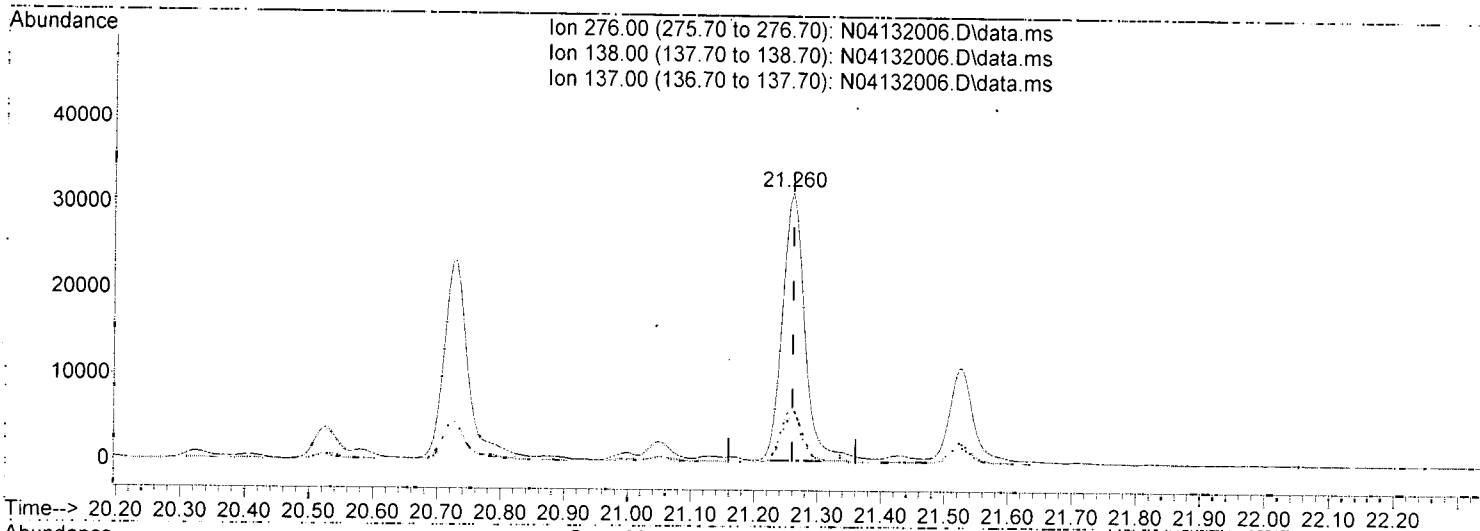
response 7569

| Ion | Exp% | Act% |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 26.00 | 15.93 |
| 138.00 | 19.90 | 18.98 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132006.D\data.ms

(38) Benzo(g,h,i)perylene (T)

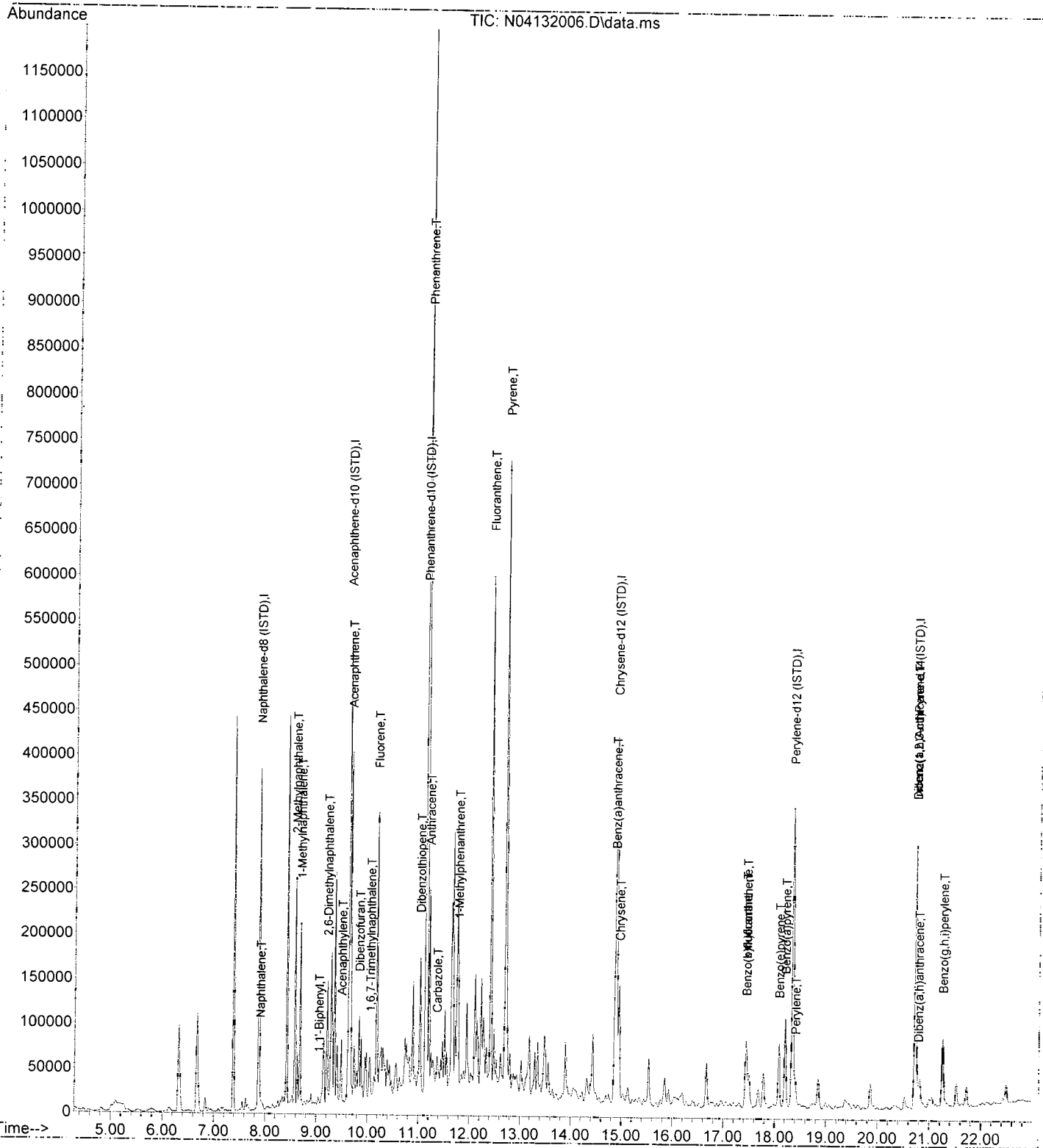
21.260min (-0.000) 27.36 ng/ml

| response | 75826 |
|----------|---------------|
| Ion | Exp% Act% |
| 276.00 | 100.00 100.00 |
| 138.00 | 34.40 20.46 |
| 137.00 | 28.60 16.75 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132006.D
 Acq On : 13 Apr 2020 10:48 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-03@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 13 13:24:17 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

AMS
4/13/20

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 258836 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 158101 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 293003 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 278289 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.352 | 264 | 292569 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthrcene-d... | 20.730 | 292 | 231513 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 214 | 0.26 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 467 | 0.19 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 806 | 0.30 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.901 | 128 | 23114 | 8.20 | ng/ml | 97 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 51023 | 26.95 | ng/ml | 97 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 54669 | 29.09 | ng/ml | 96 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1958 | 0.82 | ng/ml | 81 | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 31738 | 19.39 | ng/ml | 97 | |
| 11) Acenaphthylene | 9.486 | 152 | 19436 | 6.59 | ng/ml | 93 | |
| 12) Acenaphthene | 9.667 | 153 | 94719 | 43.80 | ng/ml | 99 | |
| 13) Dibenzofuran | 9.836 | 168 | 10099 | 3.86 | ng/ml | 93 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 14279 | 8.43 | ng/ml | 94 | |
| 15) Fluorene | 10.186 | 166 | 54461 | 26.19 | ng/ml | 98 | |
| 17) Dibenzothiopene | 11.031 | 184 | 60832 | 20.54 | ng/ml | 96 | |
| 18) Phenanthrene | 11.165 | 178 | 509744 | 151.14 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 93919 | 34.00 | ng/ml | 98 | |
| 20) Carbazole | 11.369 | 167 | 16253 | 6.82 | ng/ml | 97 | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 33833 | 14.88 | ng/ml | 98 | |
| 22) Fluoranthene | 12.424 | 202 | 300400 | 90.38 | ng/ml | 96 | |
| 24) Pyrene | 12.715 | 202 | 391729 | 108.53 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 78204 | 27.10 | ng/ml | 67 | |
| 27) Chrysene | 14.948 | 228 | 93235 | 31.41 | ng/ml | 98 | |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 87382 | 28.89 | ng/ml | 91 | |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 105235 | 34.96 | ng/ml | 89 | |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 120166 | 37.78 | ng/ml | 89 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 59686 | 18.87 | ng/ml | 98 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 85754 | 35.76 | ng/ml | 95 | |
| 34) Perylene | 18.404 | 252 | 23922 | 7.35 | ng/ml | 98 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 56905 | 22.63 | ng/ml | 80 | |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 6217 | 2.45 | ng/ml | 87 | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 75220 | 27.88 | ng/ml | 77 | |

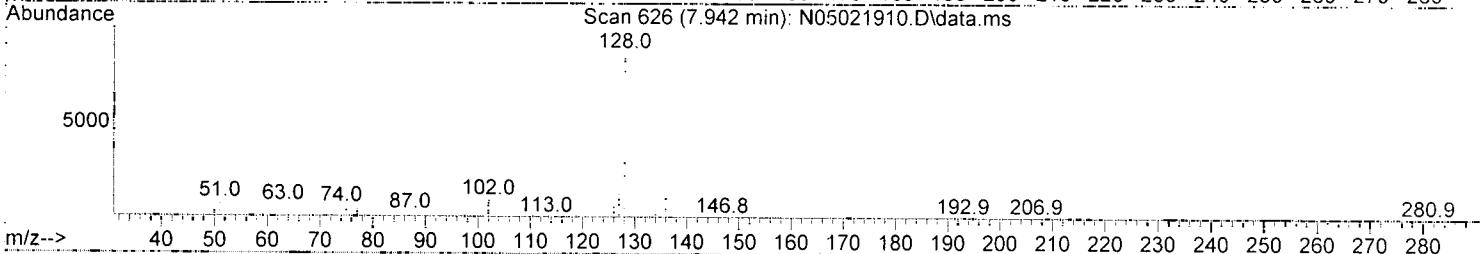
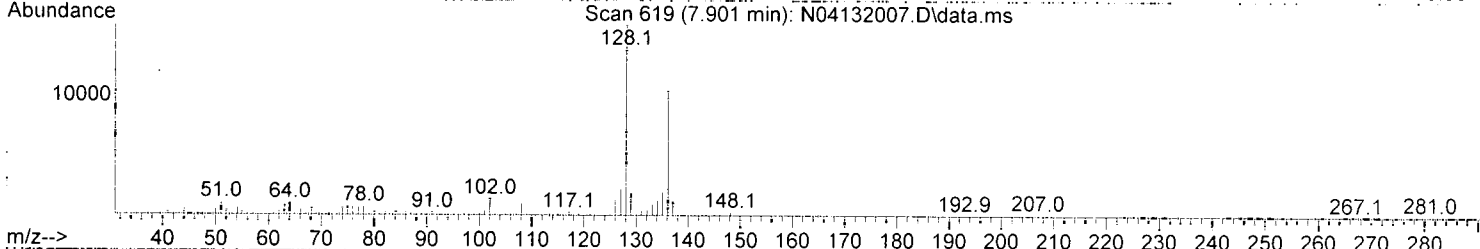
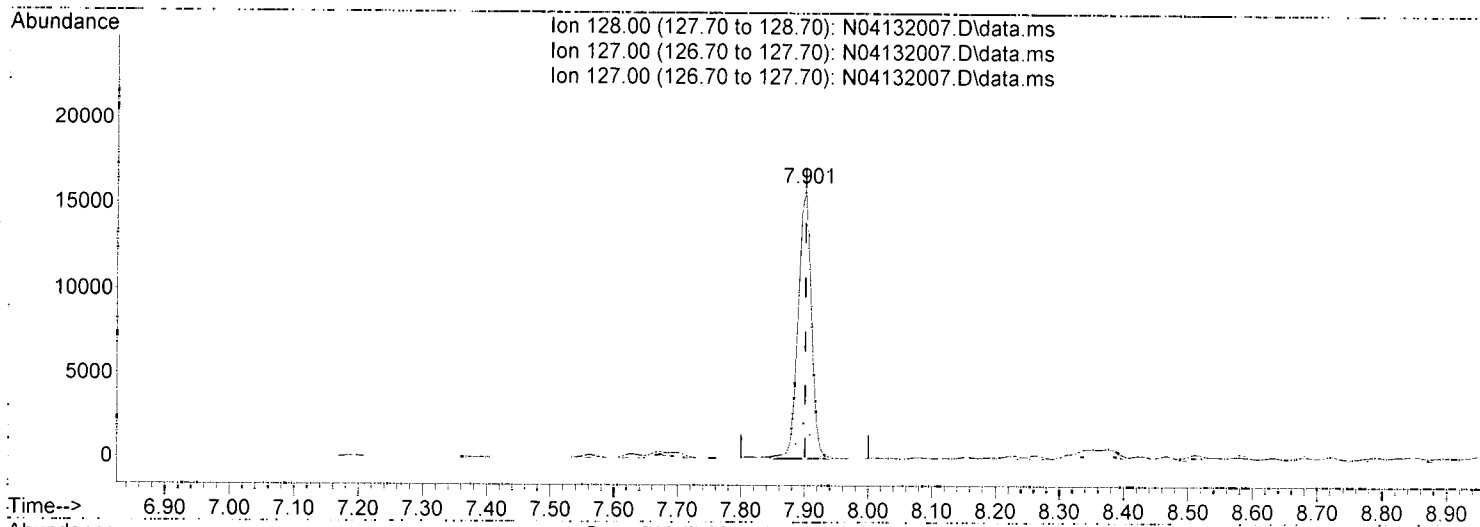
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MI-MOS

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(4) Naphthalene (T)

7.901min (+ 0.000) 8.20 ng/ml

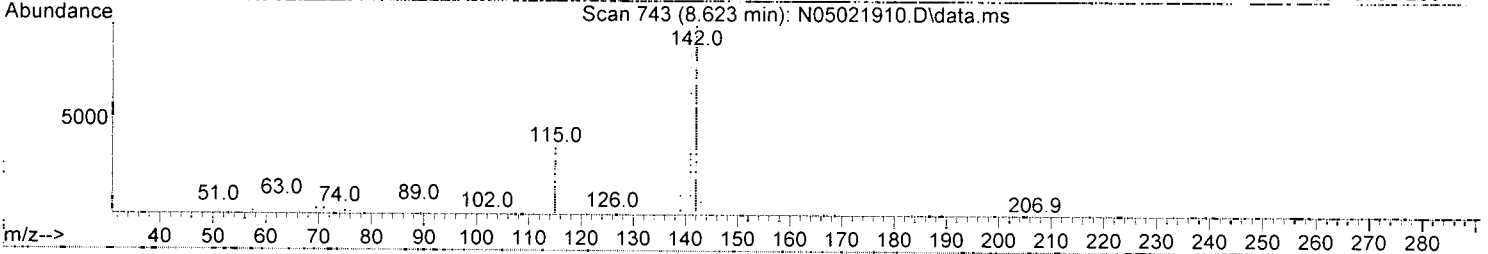
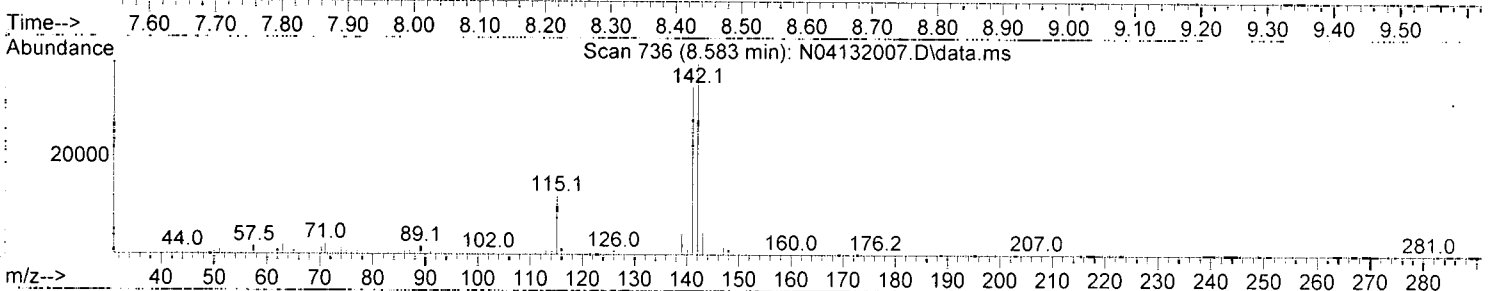
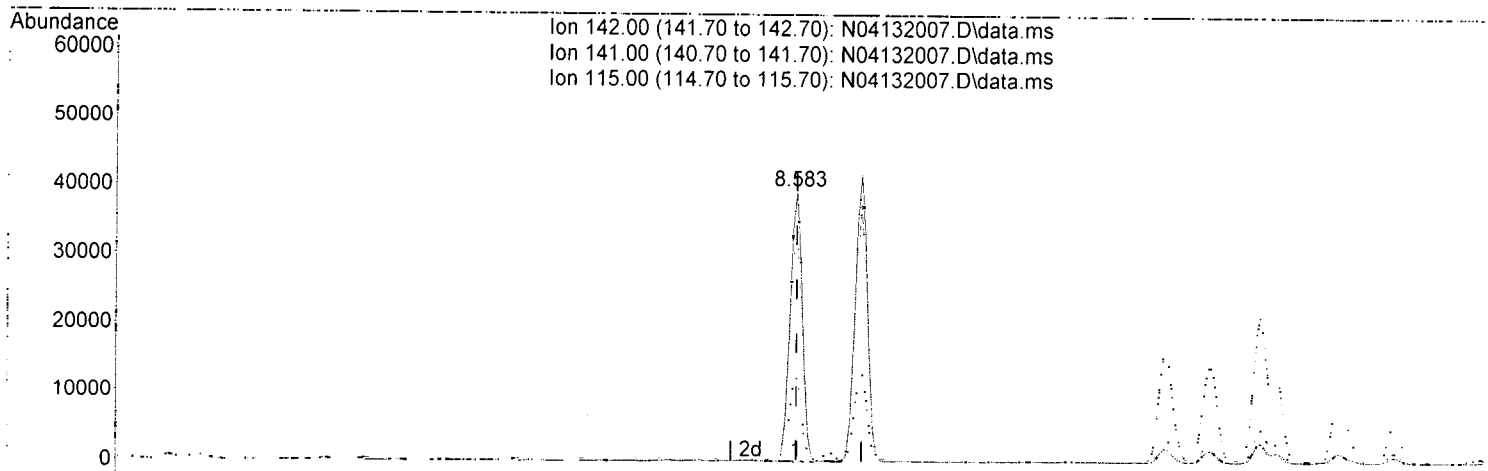
response 23114

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 13.79 |
| 127.00 | 12.60 | 13.79 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(5) 2-Methylnaphthalene (T)

8.583min (+ 0.000) 26.95 ng/ml

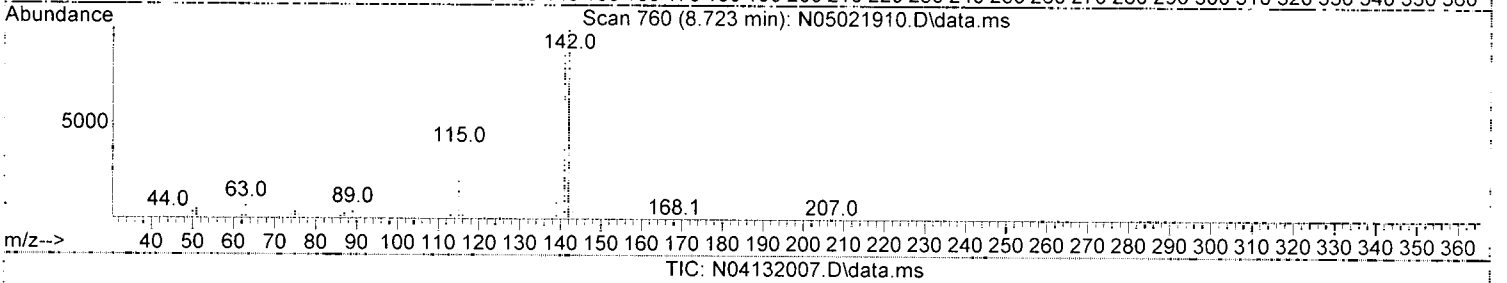
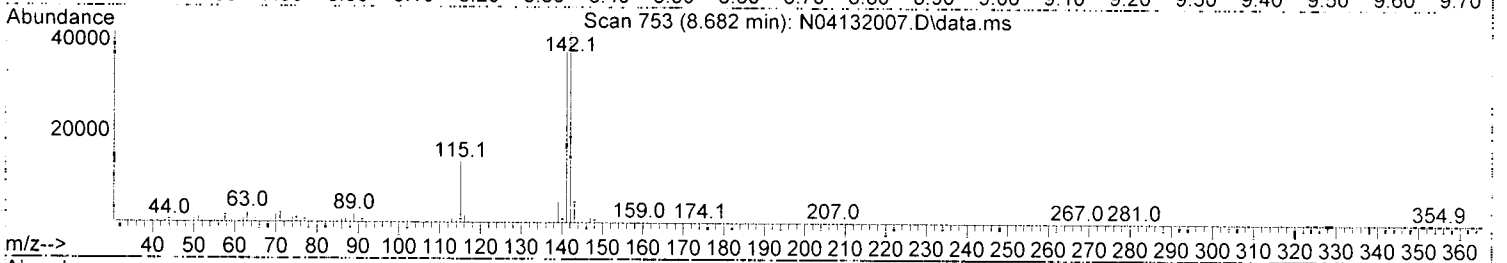
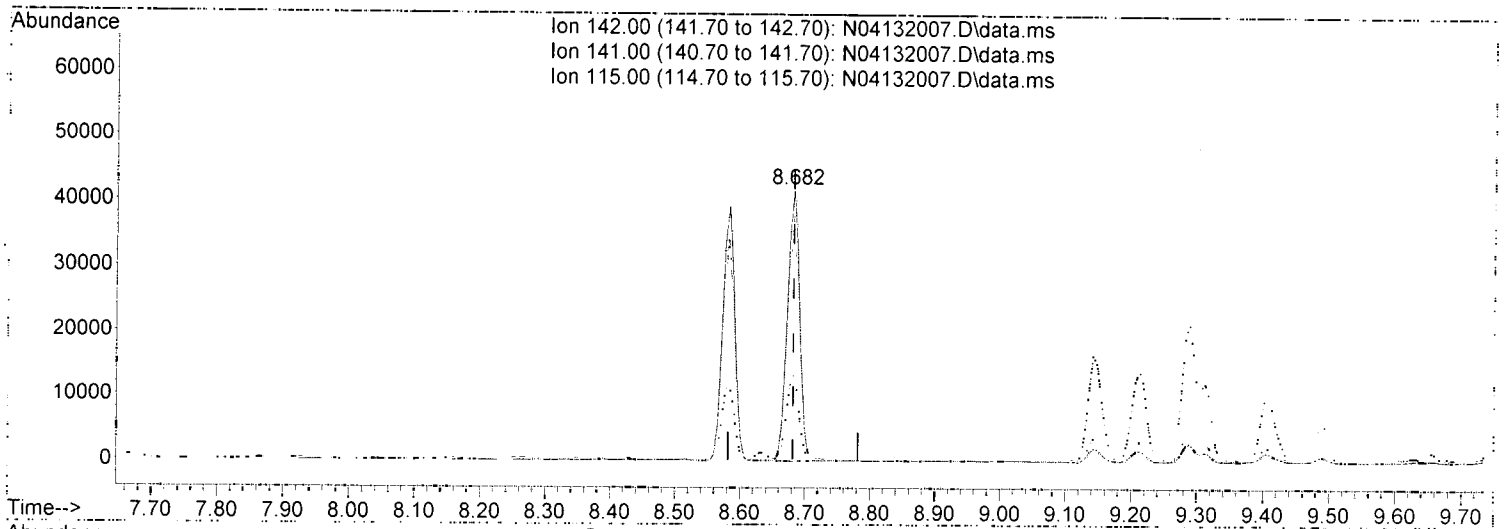
response 51023

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 86.60 | 87.78 |
| 115.00 | 35.70 | 30.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (+ 0.000) 29.09 ng/ml

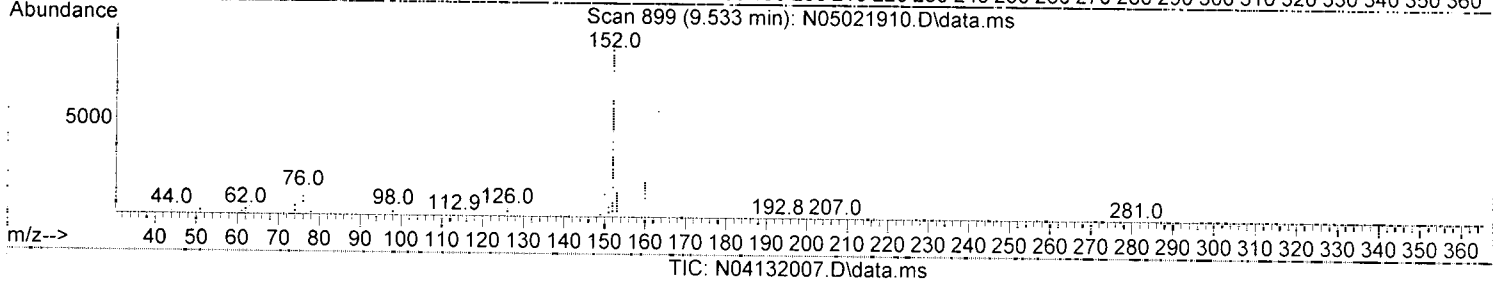
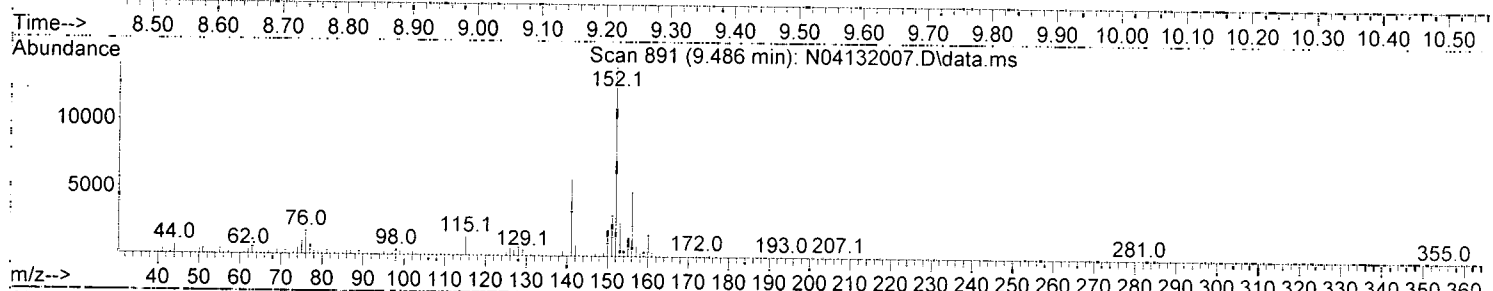
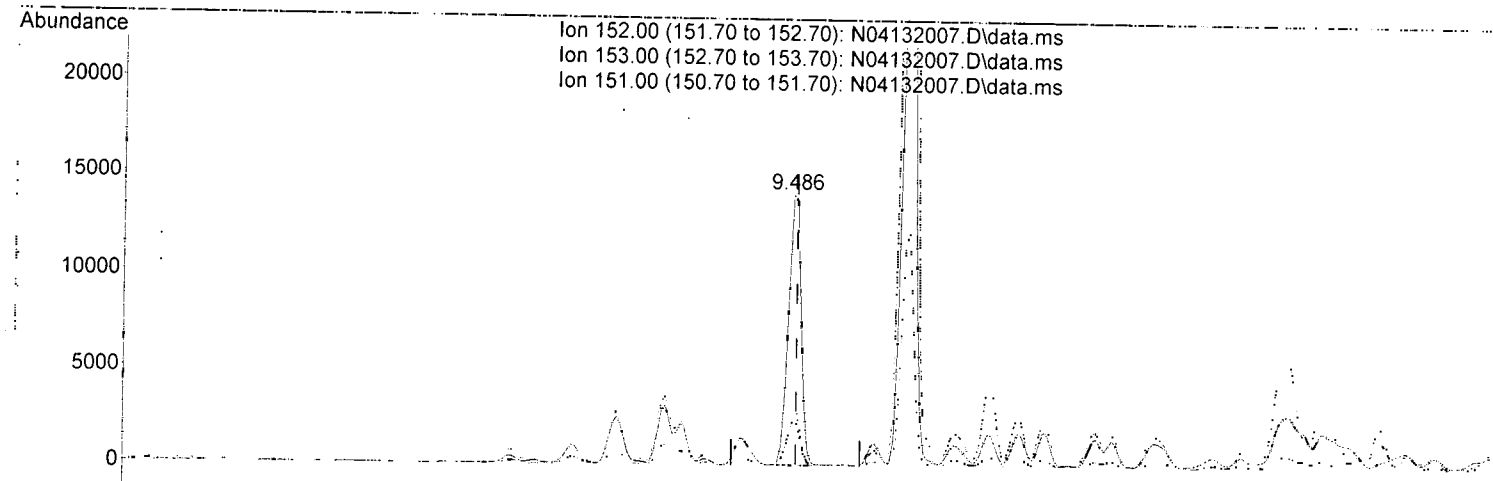
response 54669

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 89.99 |
| 115.00 | 37.80 | 31.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.486min (-0.006) 6.59 ng/ml

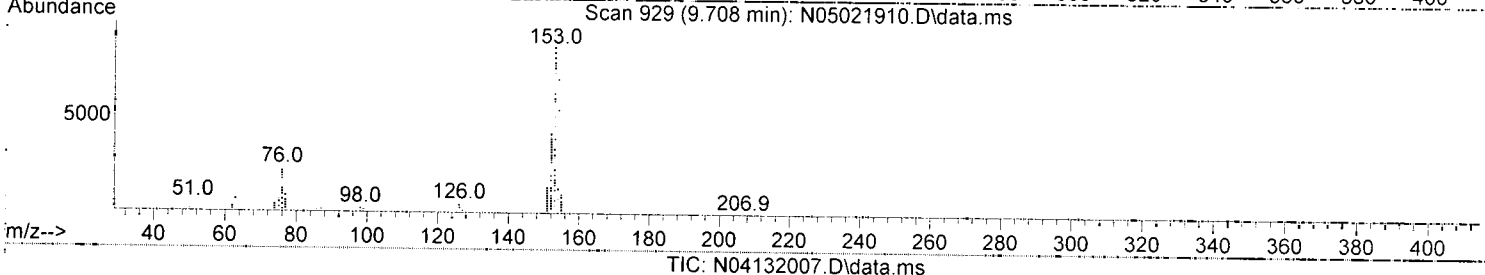
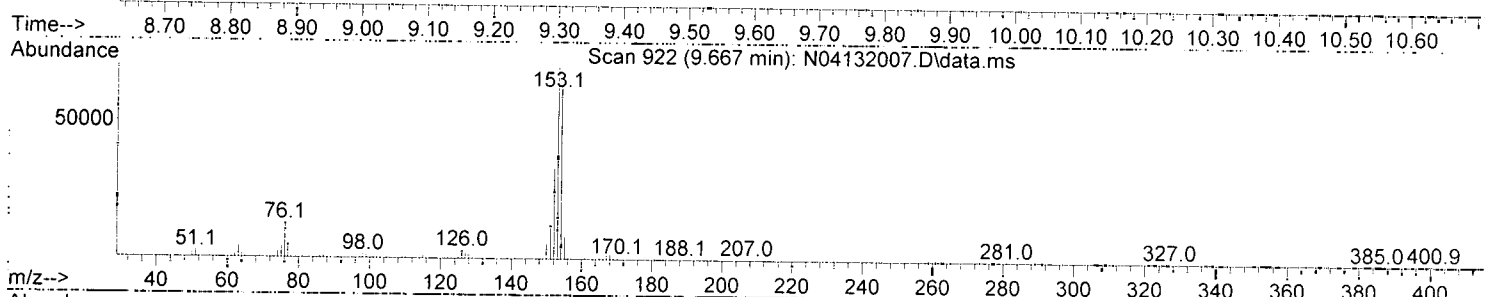
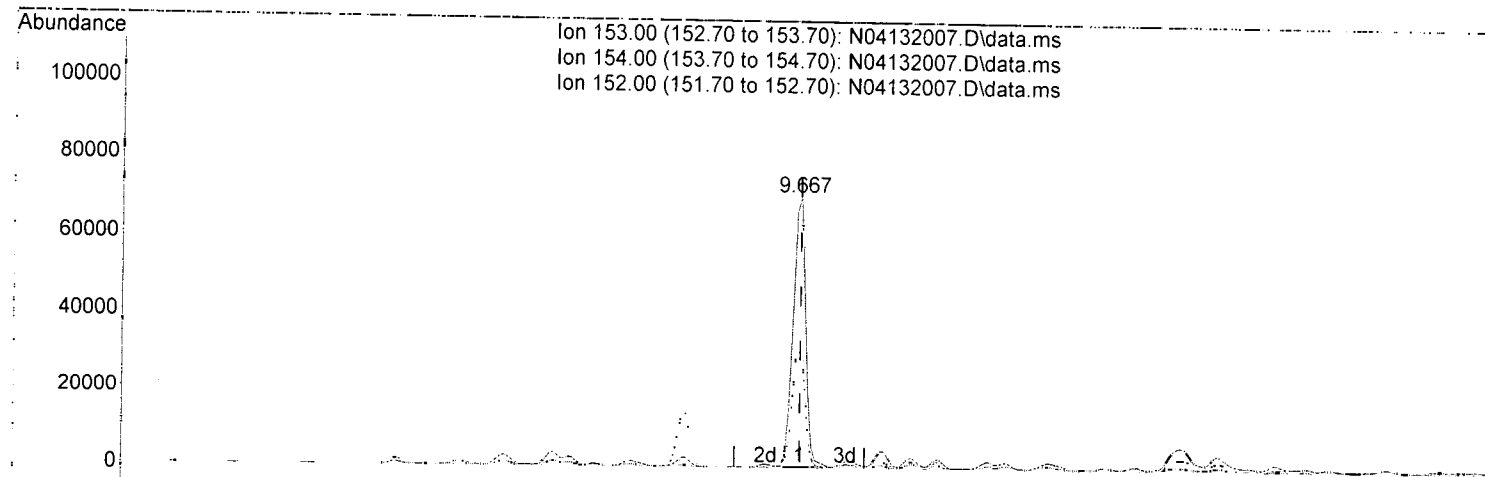
response \ 19436

| Ion | Exp% | Act% |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 16.81 |
| 151.00 | 19.30 | 21.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(12) Acenaphthene (T)

9.667min (+ 0.000) 43.80 ng/ml

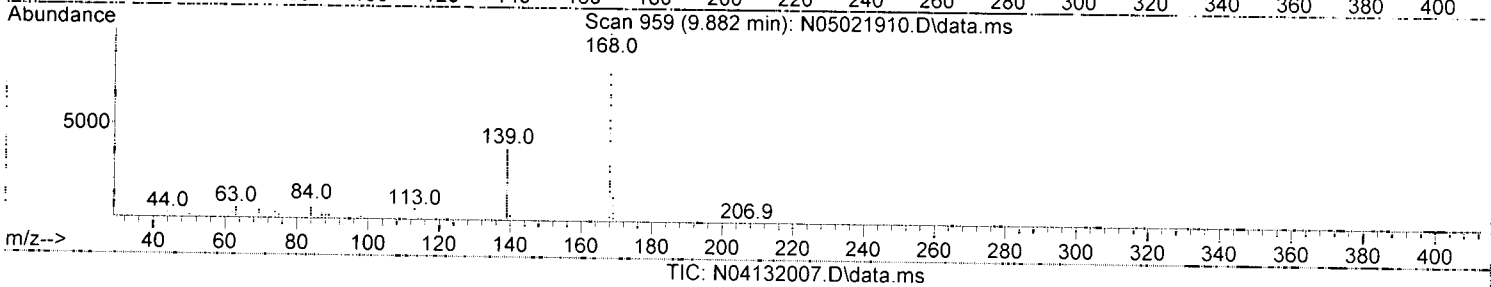
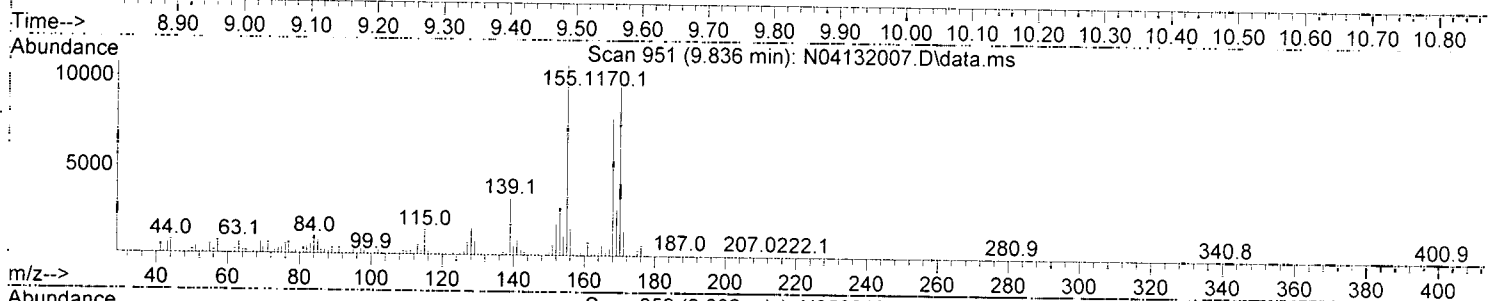
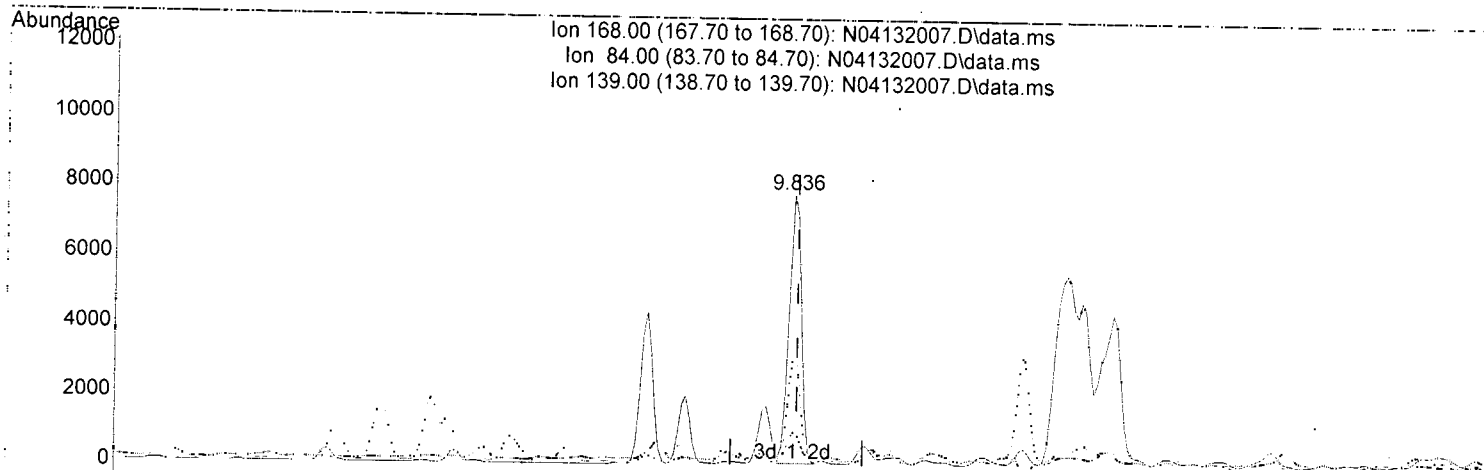
response 94719

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.95 |
| 152.00 | 46.80 | 47.48 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020.
 Response via : Initial Calibration



(13) Dibenzofuran (T)

9.836min (-0.006) 3.86 ng/ml

response 10099

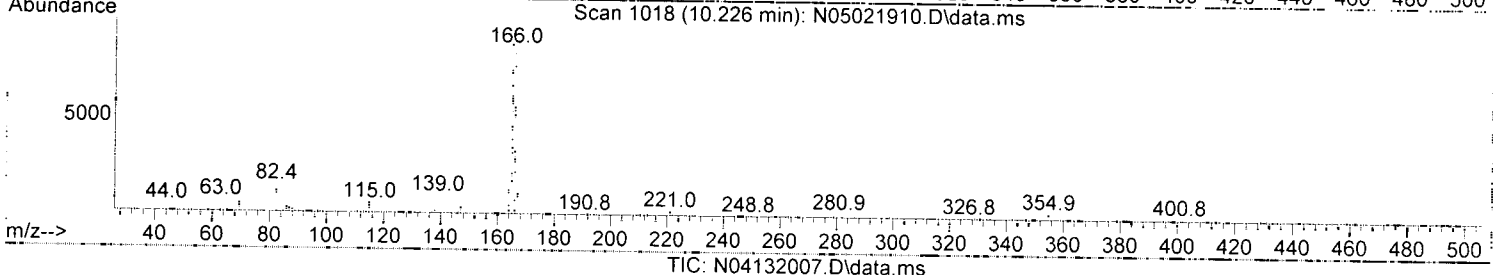
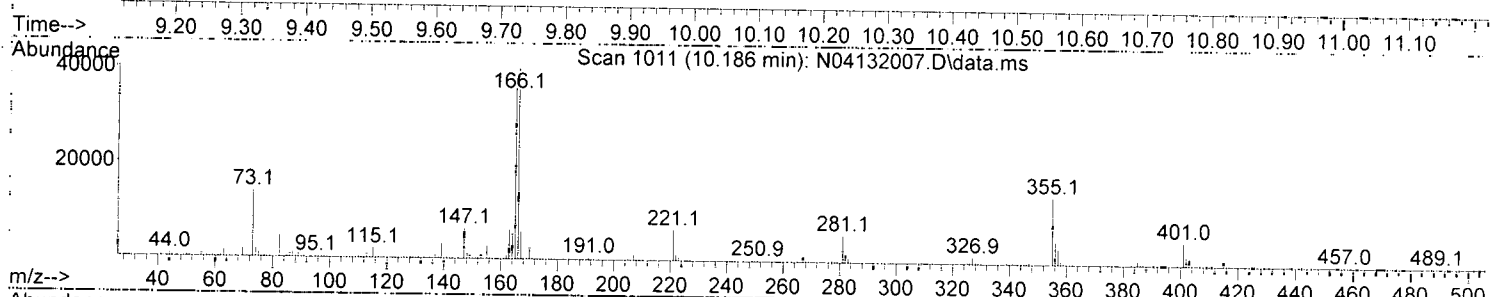
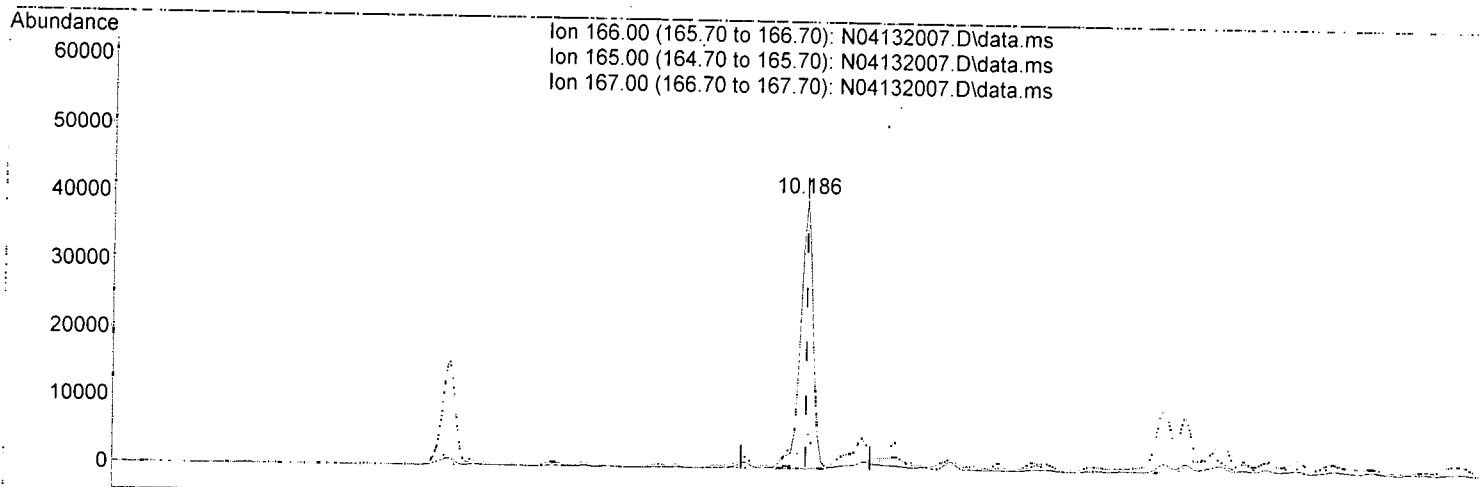
| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 12.46 |
| 139.00 | 38.40 | 41.64 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.186min (+ 0.000) 26.19 ng/ml

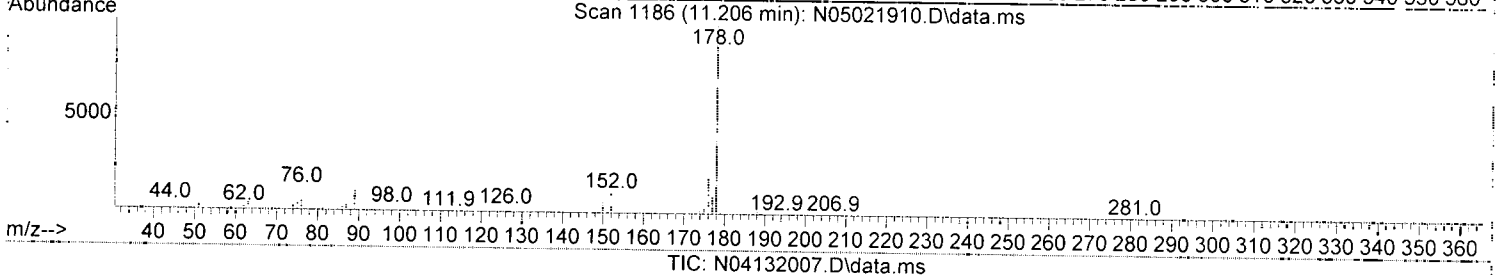
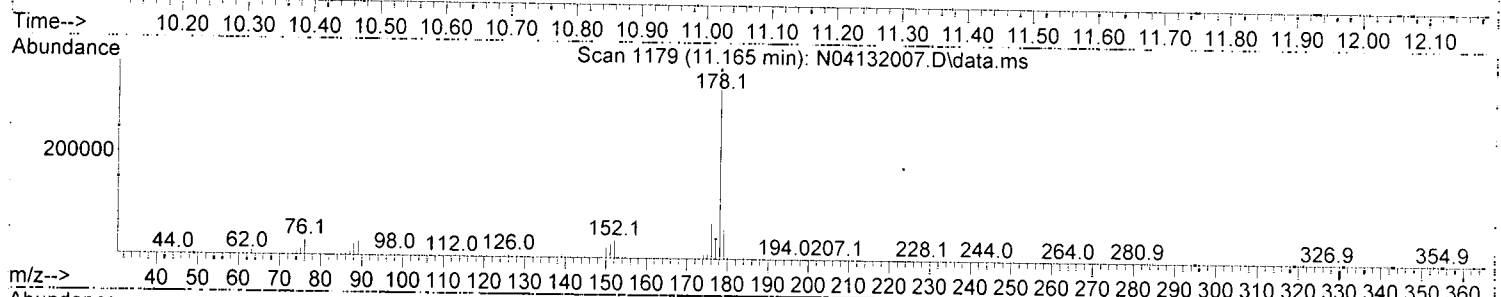
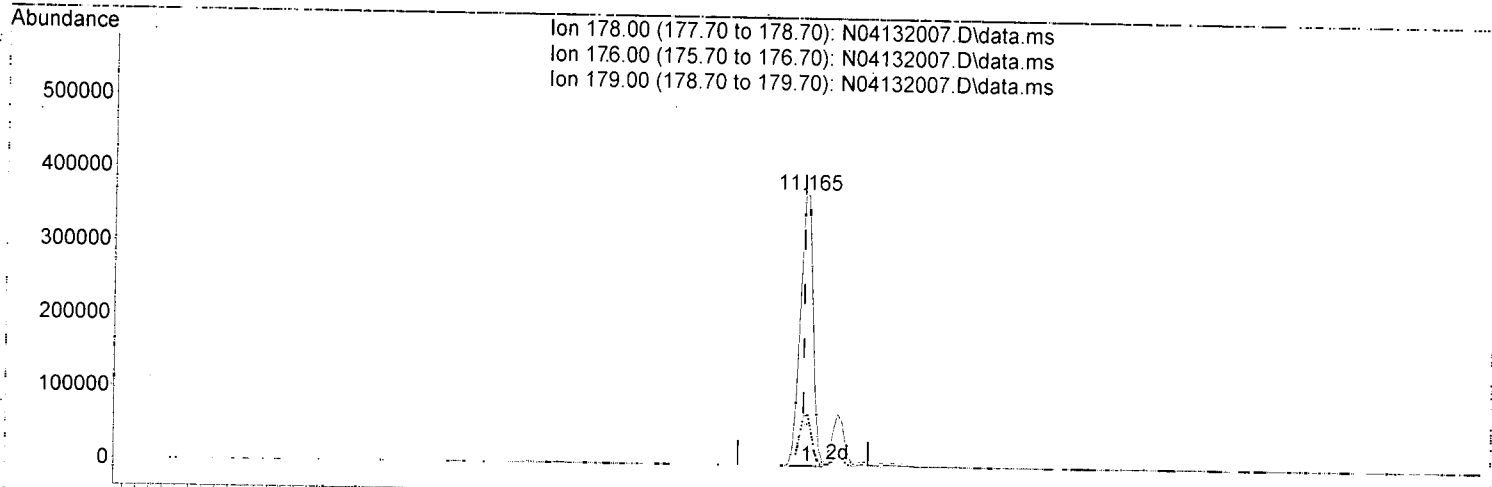
response 54461

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 94.11 |
| 167.00 | 13.60 | 14.72 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.165min (+ 0.006) 151.14 ng/ml

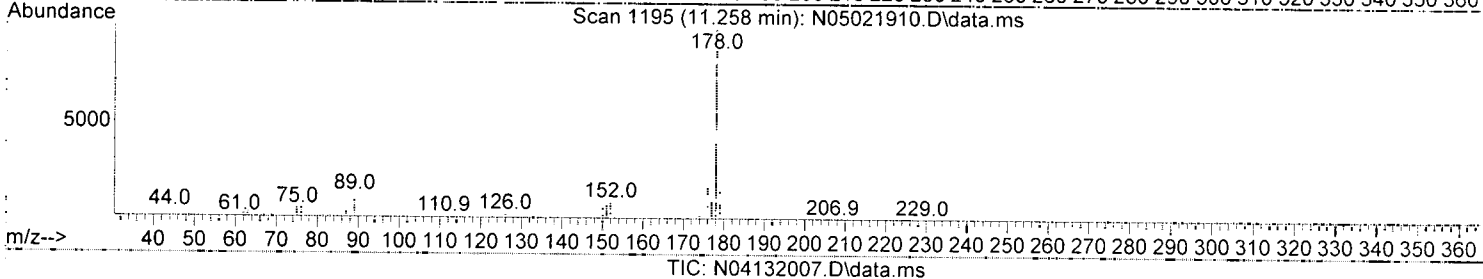
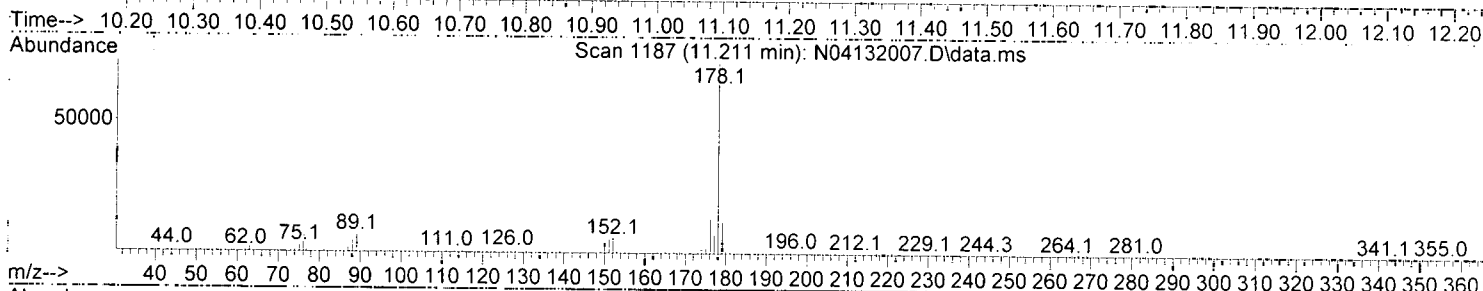
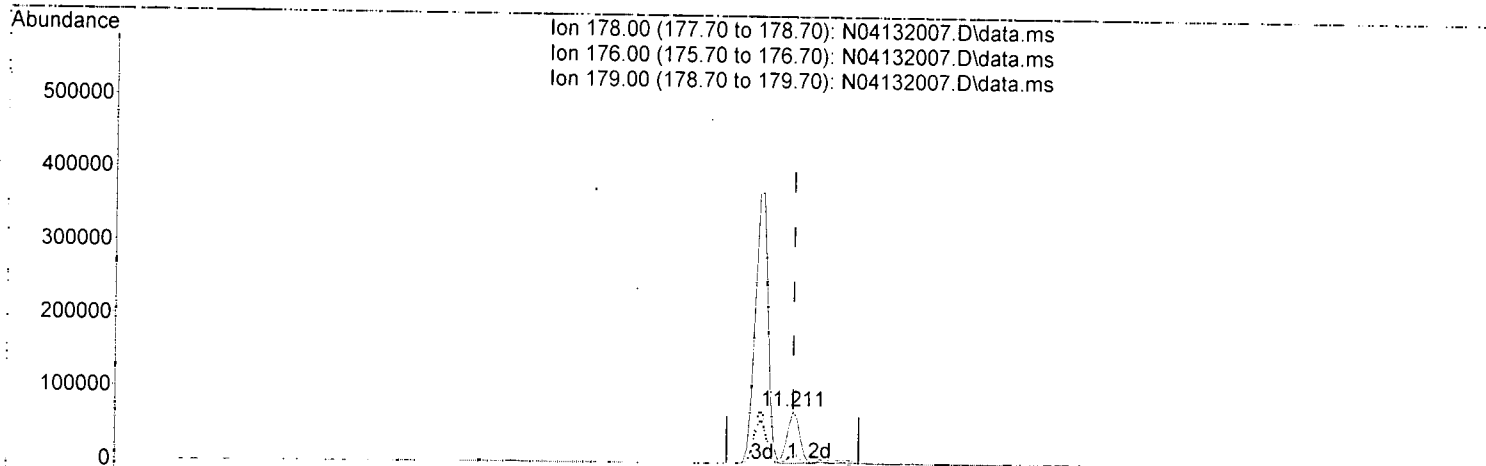
response 509744

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.95 |
| 179.00 | 15.10 | 15.54 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (+ 0.000) 34.00 ng/ml

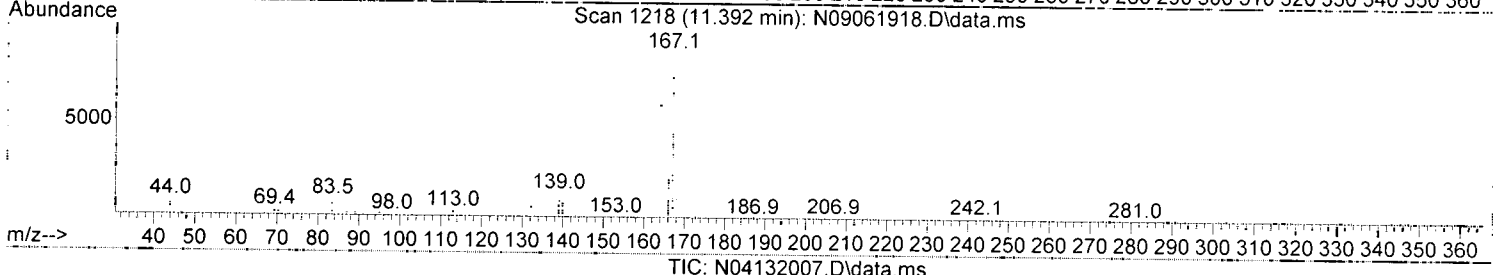
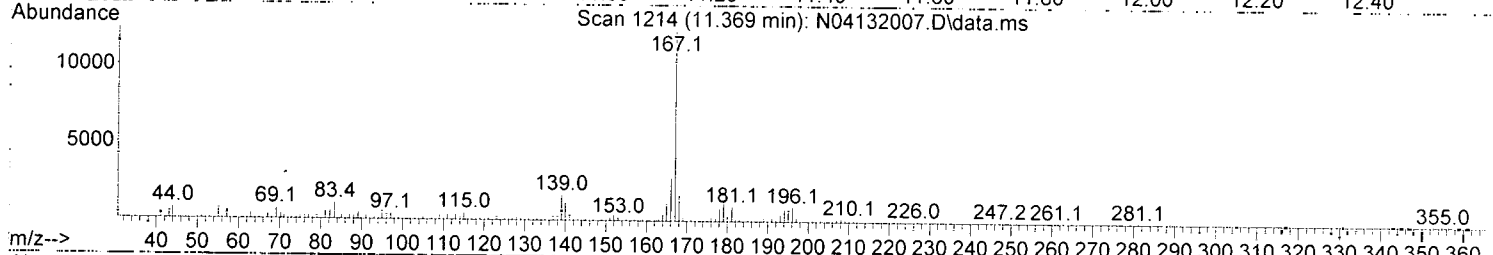
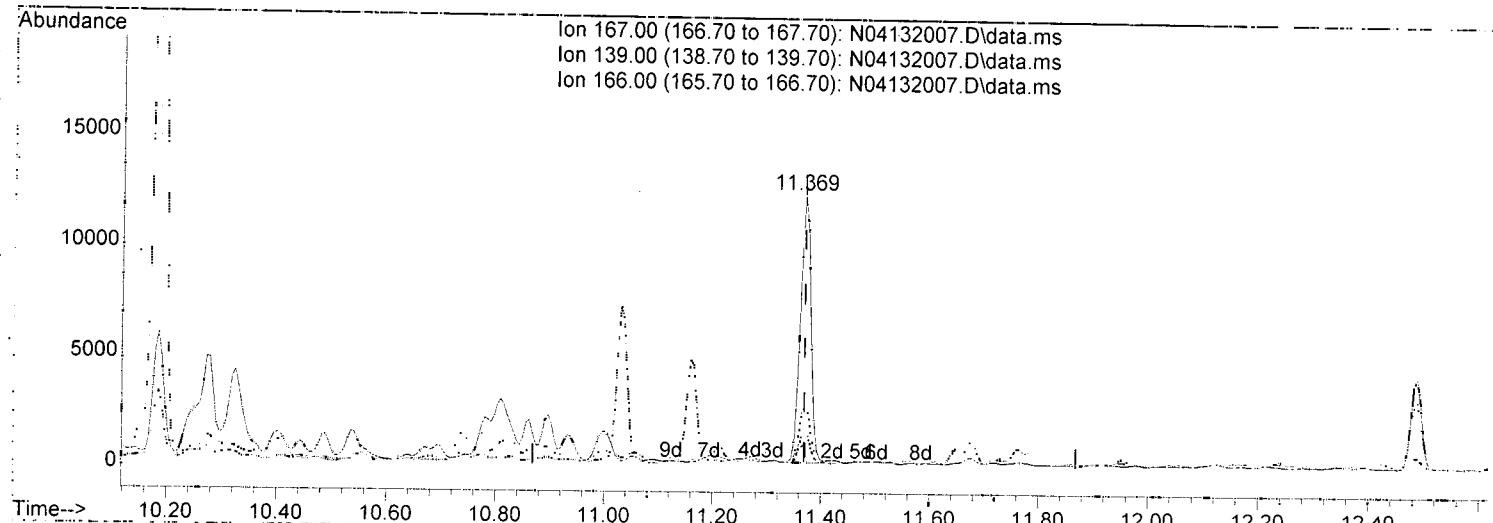
response 93919

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.00 |
| 179.00 | 15.30 | 16.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



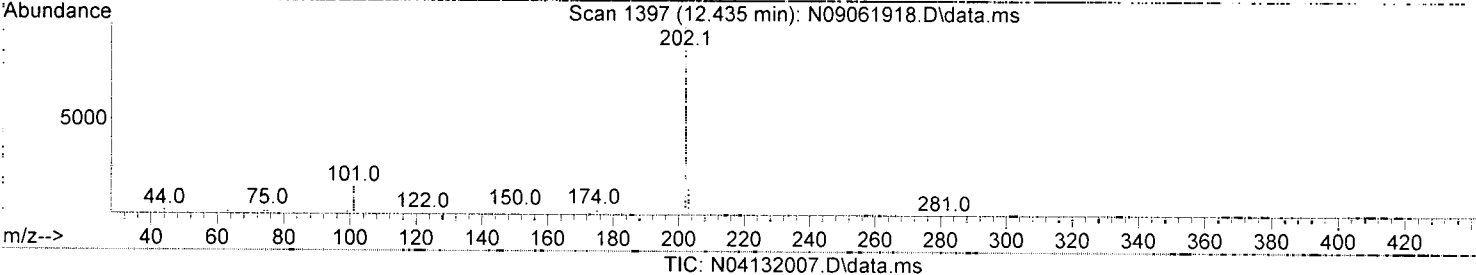
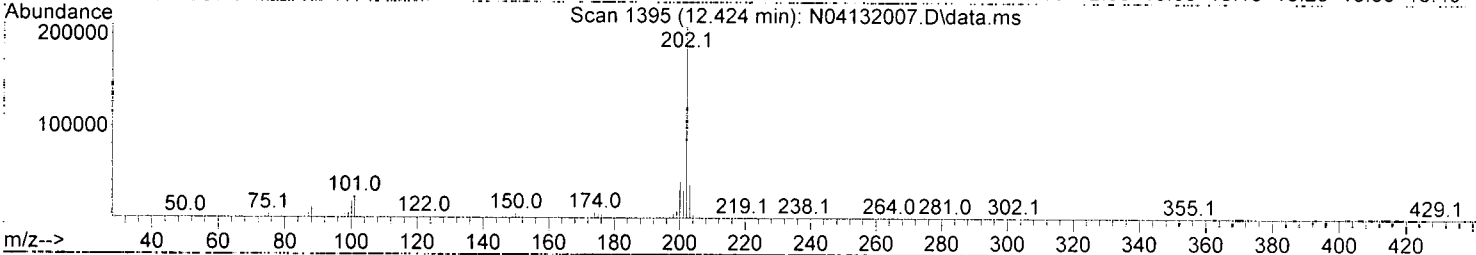
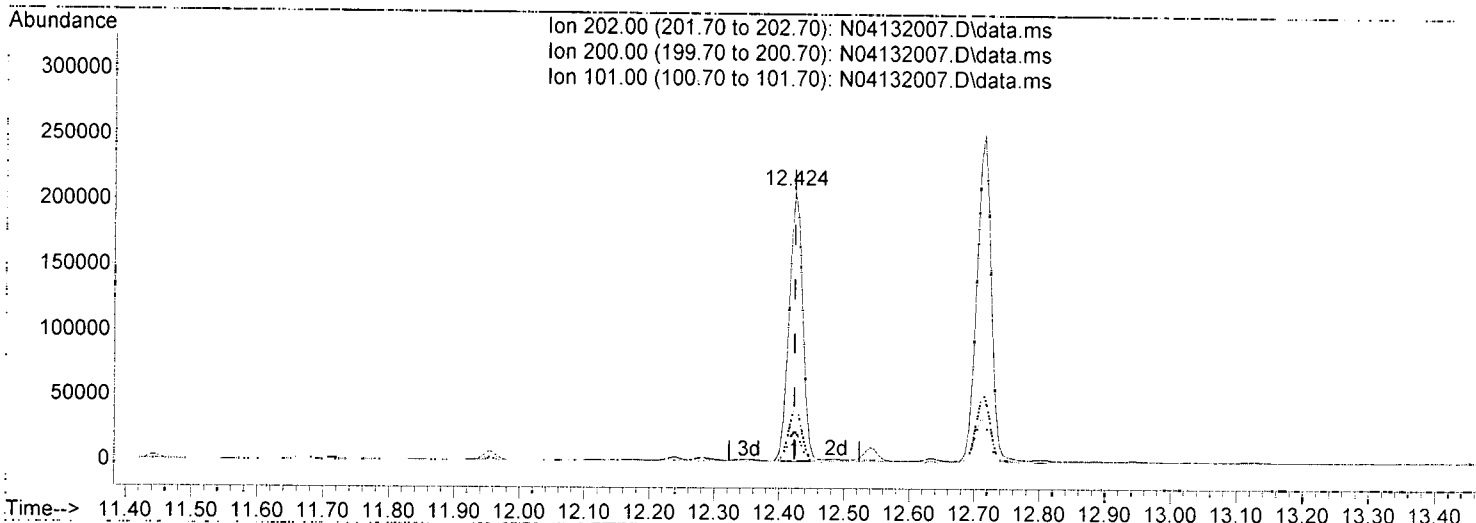
(20) Carbazole (T)

| | |
|---------------------|---------------|
| 11.369min (+ 0.000) | 6.82 ng/ml |
| response | 16253 |
| Ion | Exp% Act% |
| 167.00 | 100.00 100.00 |
| 139.00 | 13.50 13.68 |
| 166.00 | 21.10 23.34 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.424min (+ 0.000) 90.38 ng/ml

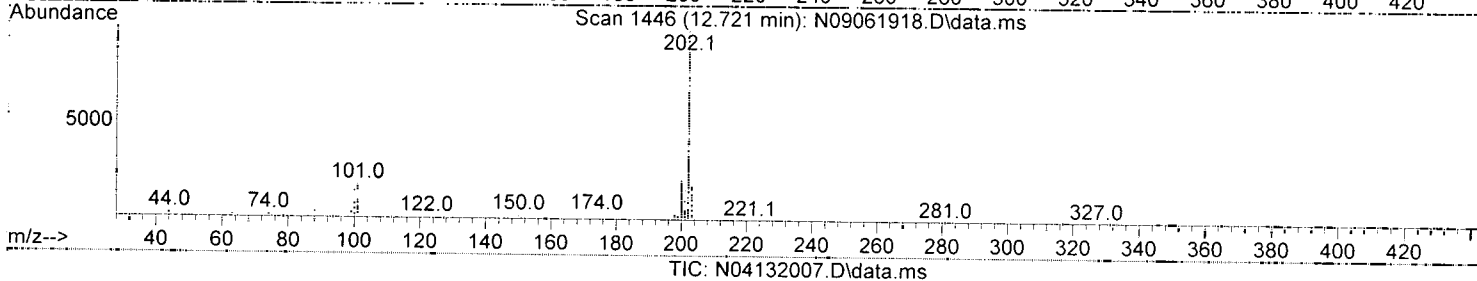
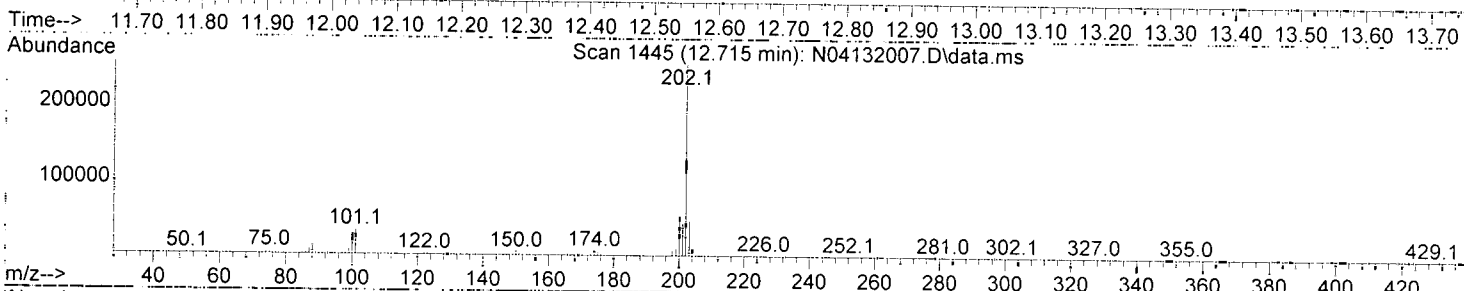
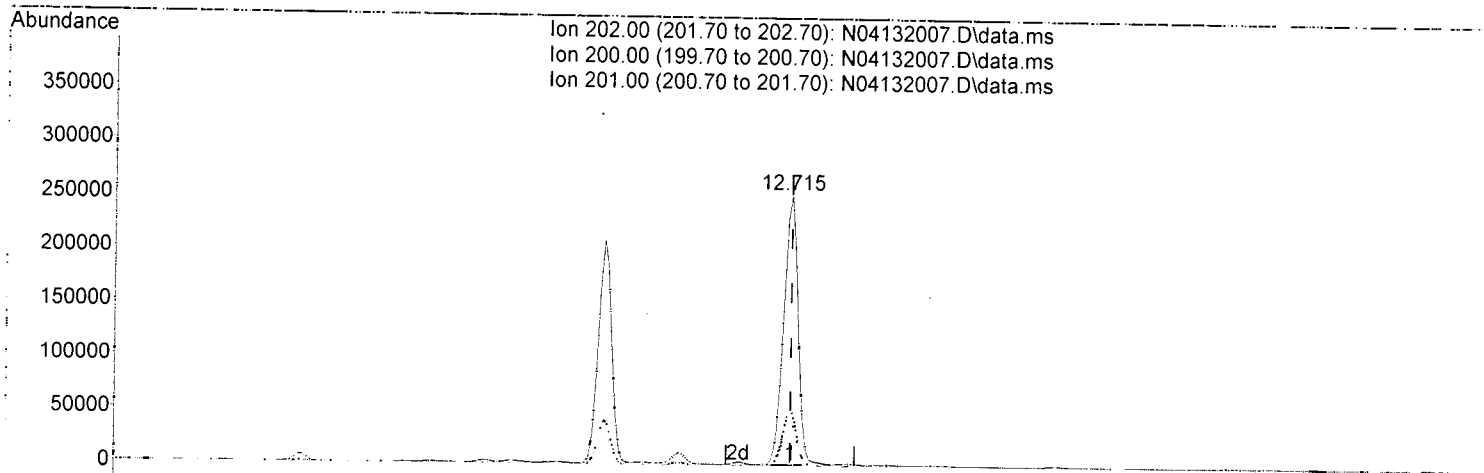
response 300400

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.52 |
| 101.00 | 15.30 | 11.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY.
 ALS Vial : 6. Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.715min (+ 0.000) 108.53 ng/ml

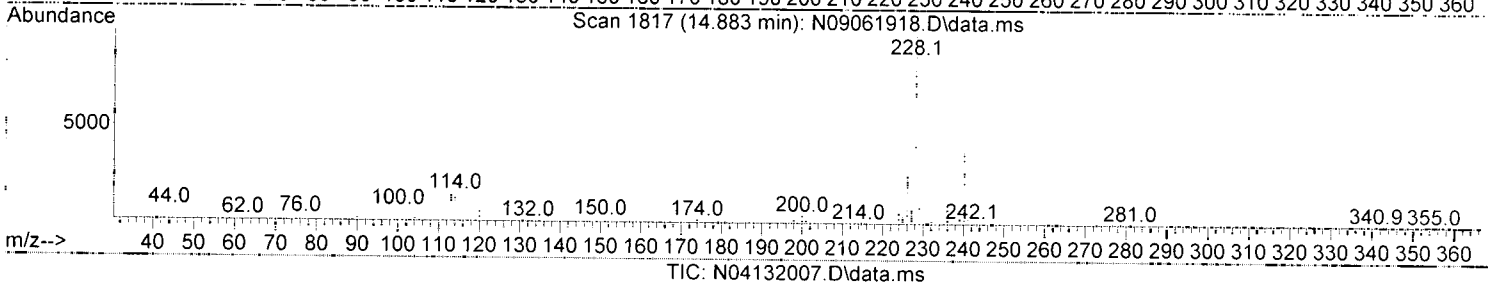
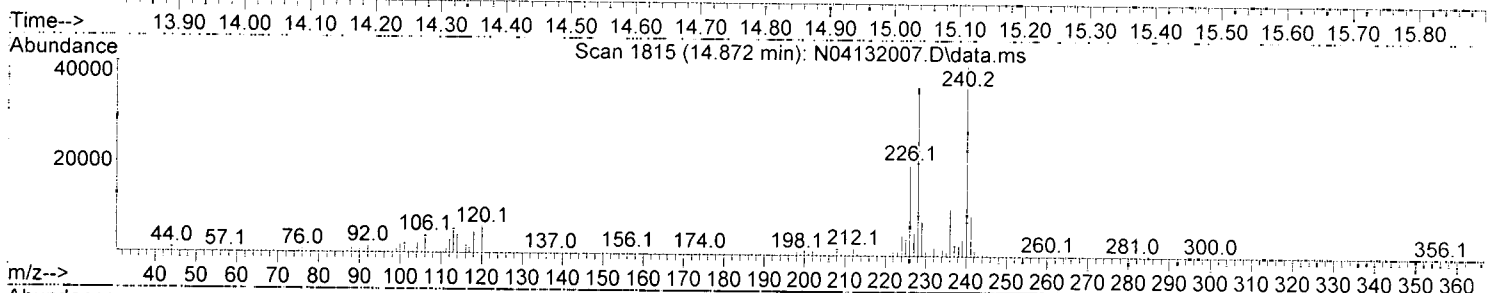
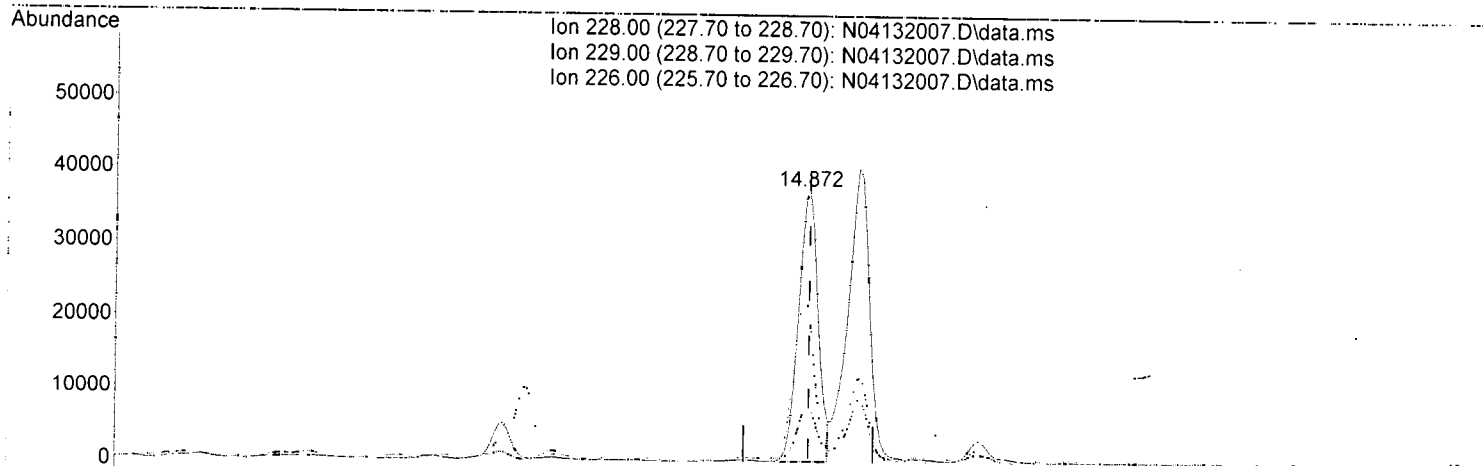
response 391729

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.49 |
| 201.00 | 16.80 | 17.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.872min (+ 0.000) 27.10 ng/ml

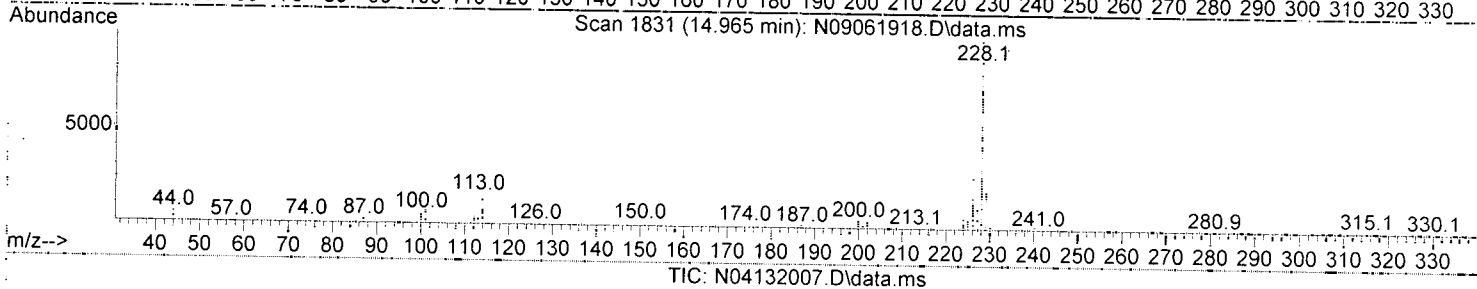
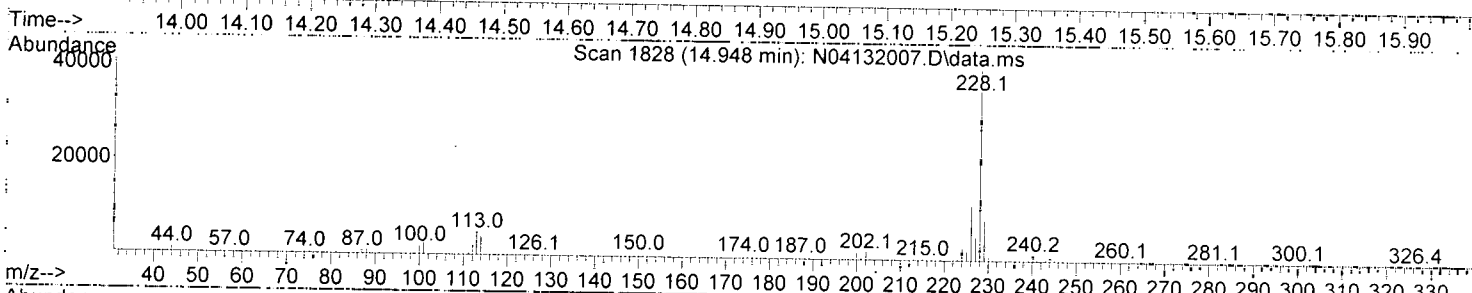
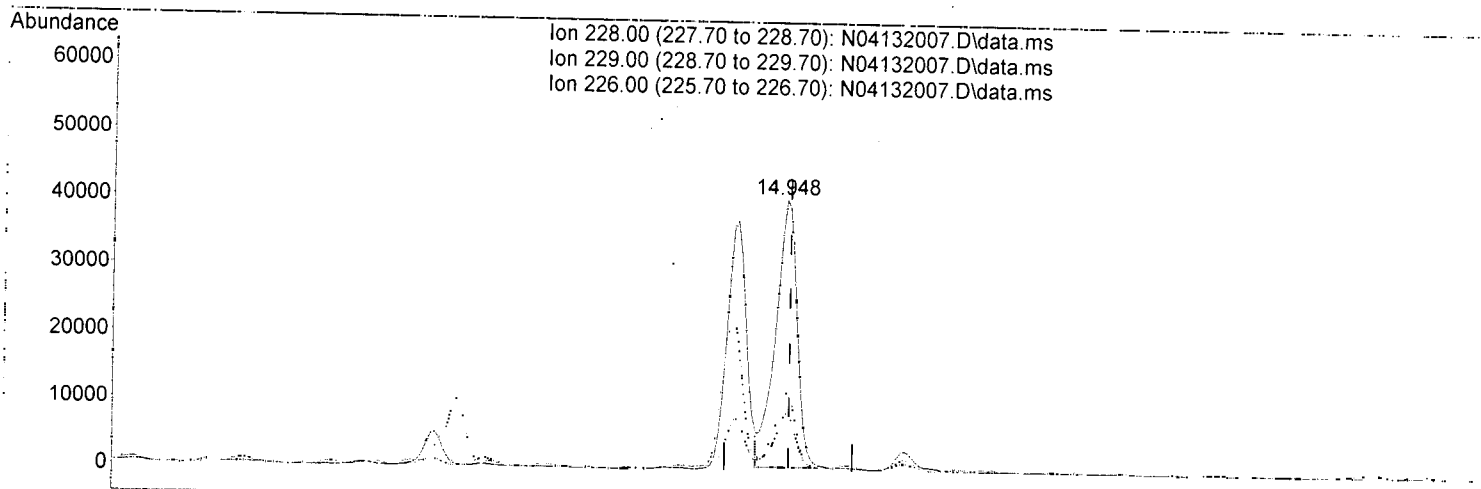
response 78204

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.66 |
| 226.00 | 26.20 | 54.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(27) Chrysene (T)

14.948min (-0.006) 31.41 ng/ml

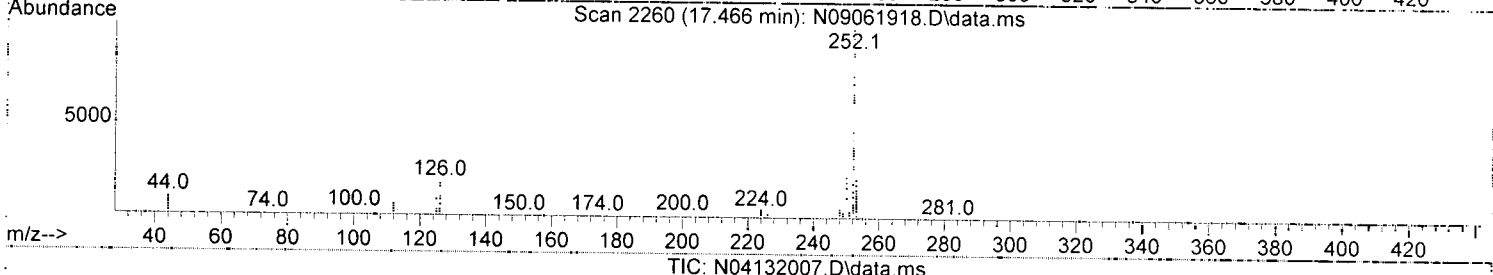
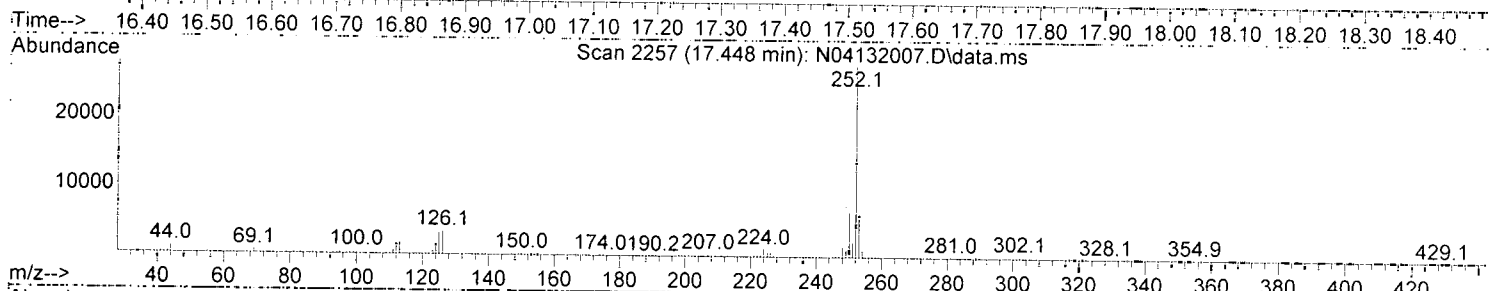
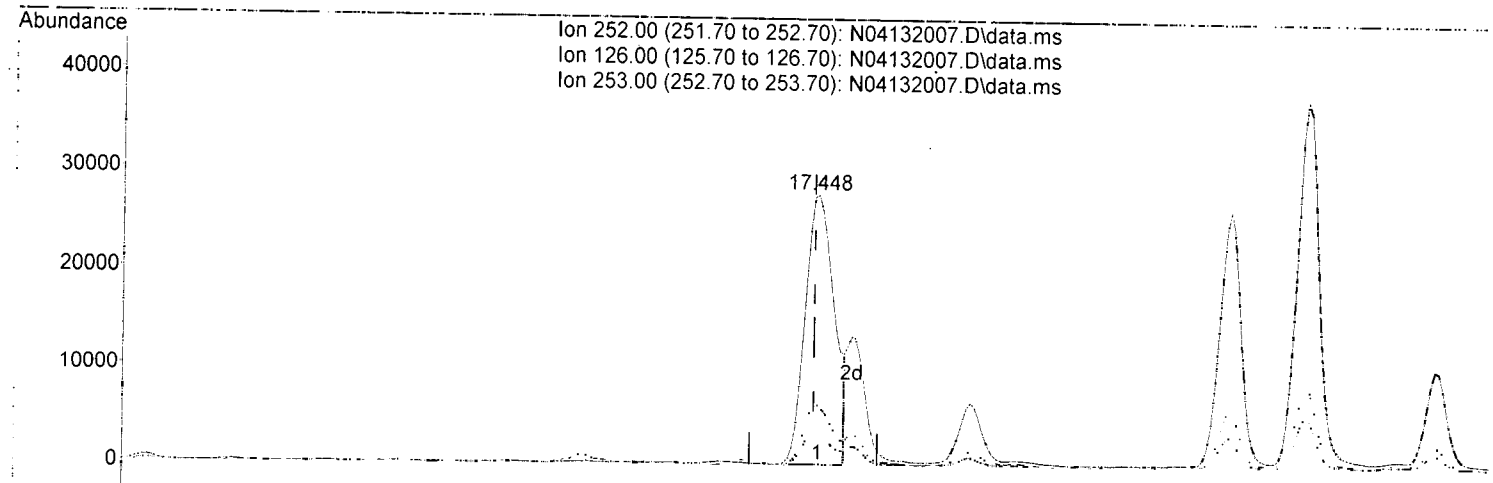
response 93235

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.52 |
| 226.00 | 28.60 | 28.93 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(29) Benzo(b)fluoranthene (T)

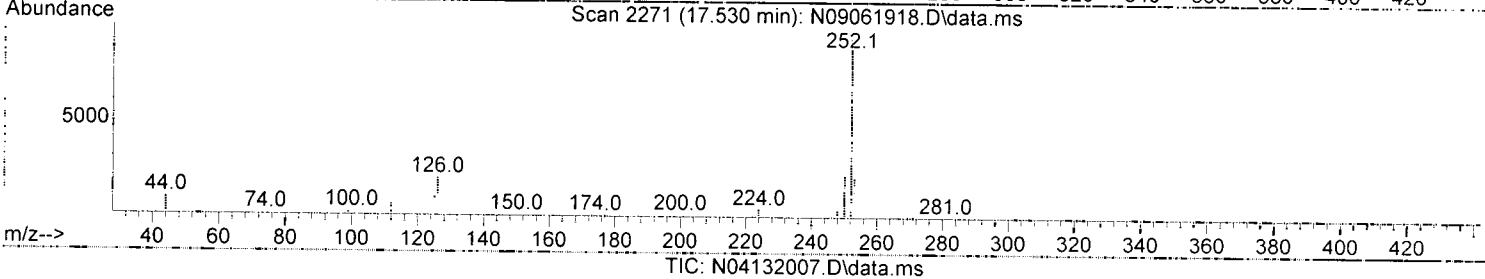
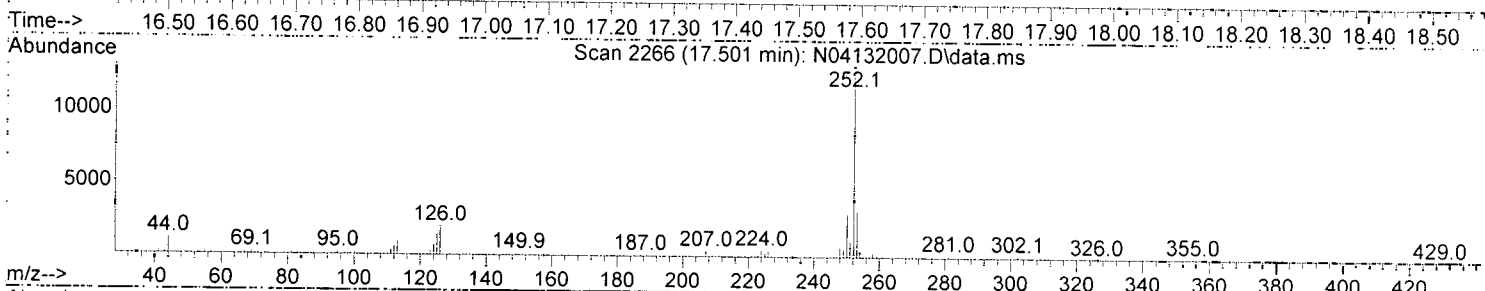
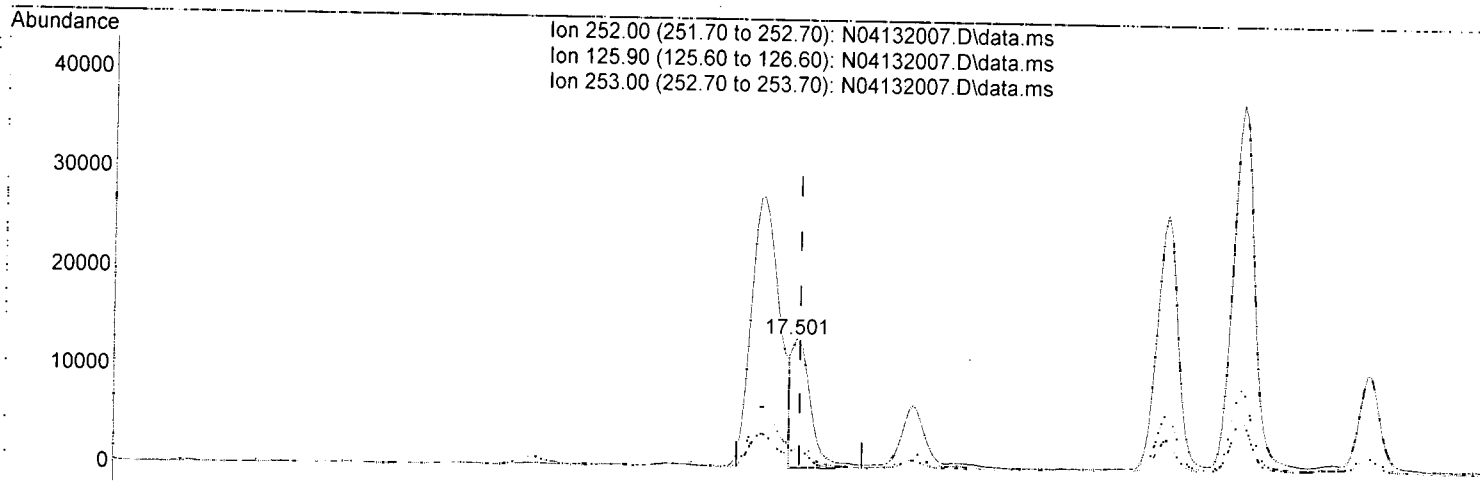
17.448min (+ 0.006) 28.89 ng/ml

| response | 87382 |
|----------|---------------|
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 126.00 | 20.00 12.38 |
| 253.00 | 21.10 22.30 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.501min (-0.006) 8.92 ng/ml

response 26892

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.01 |
| 253.00 | 21.50 | 24.27 |
| 0.00 | 0.00 | 0.00 |

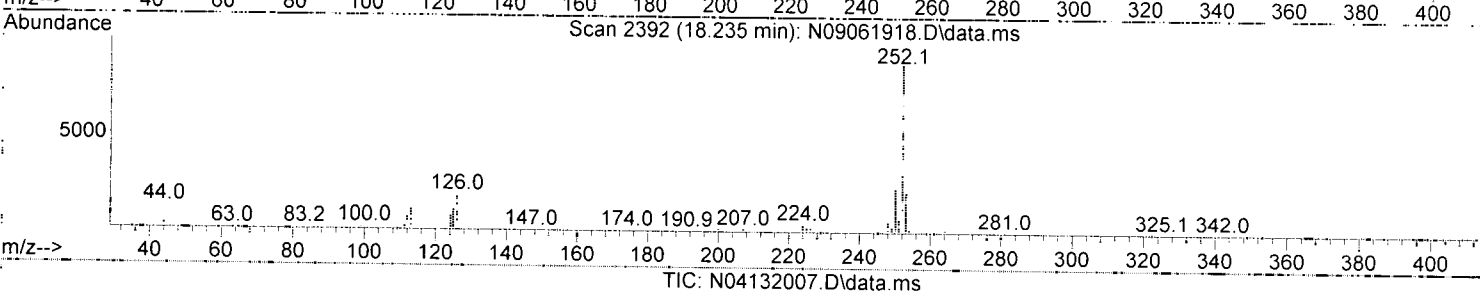
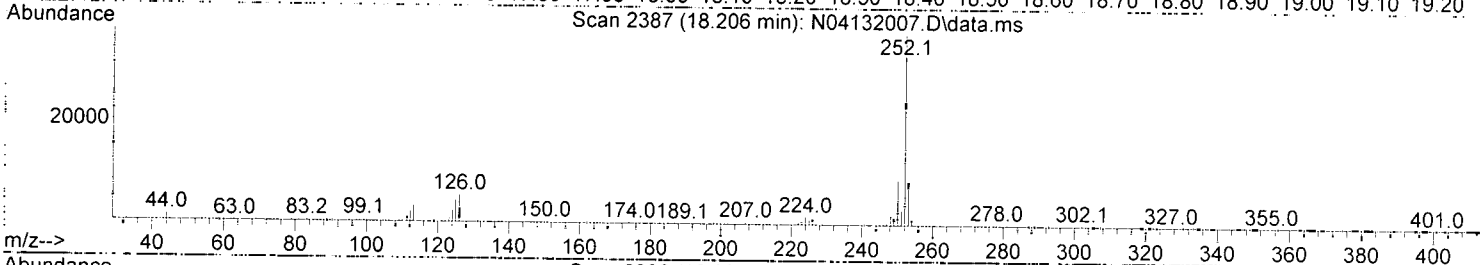
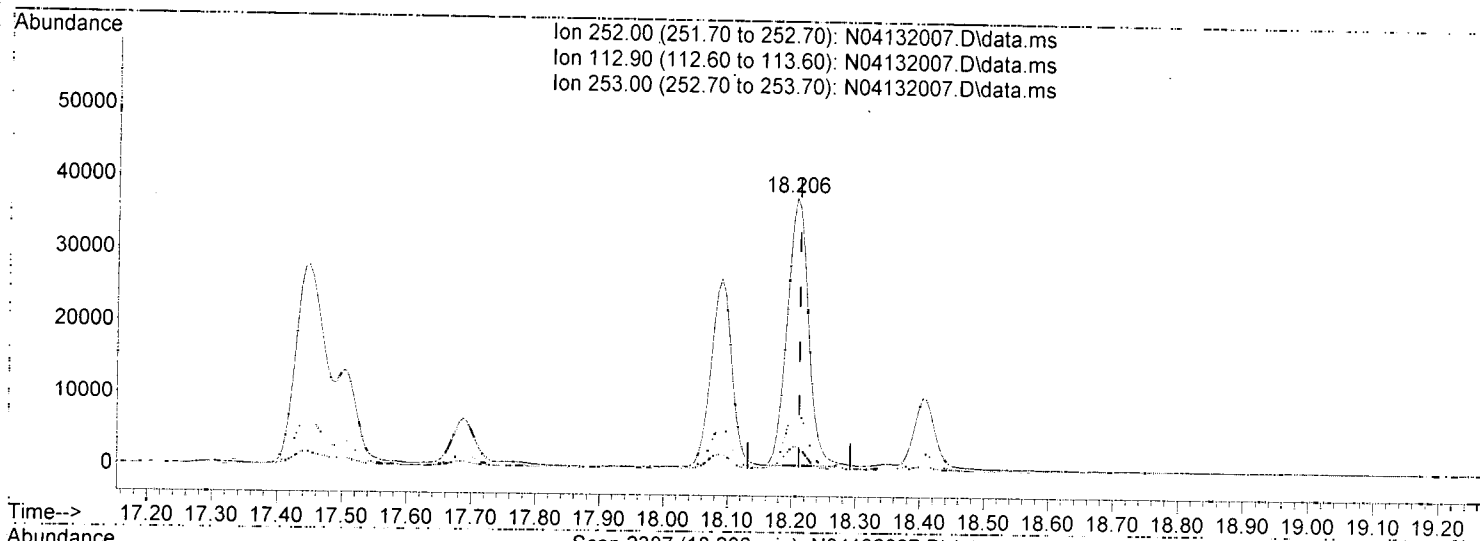
AMS
 4/13/20

MOS

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132007.D\data.ms

(33) Benzo(a)pyrene (T)

18.206min (-0.006) 35.76 ng/ml

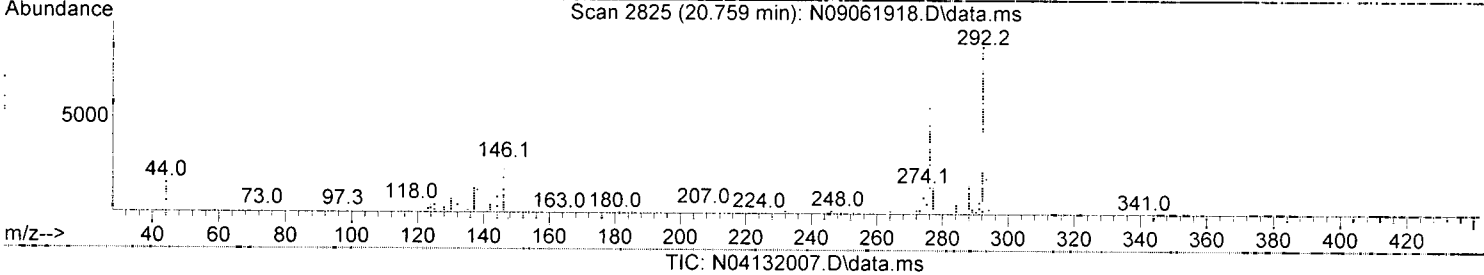
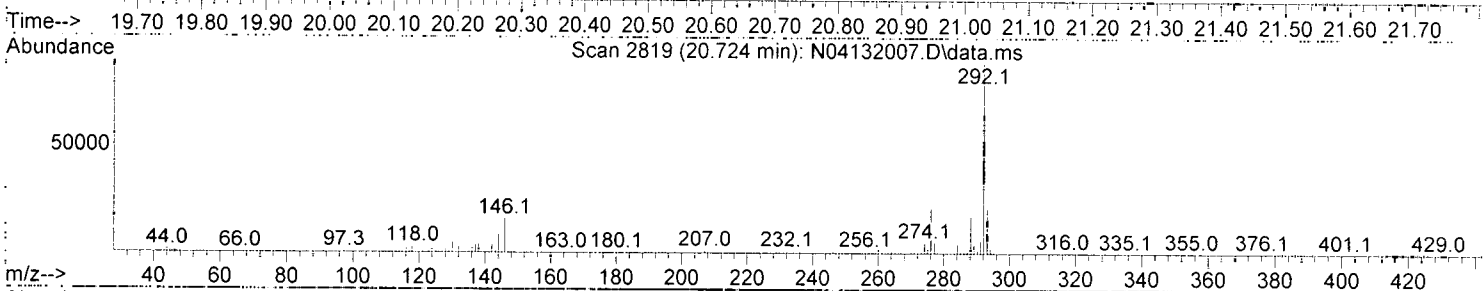
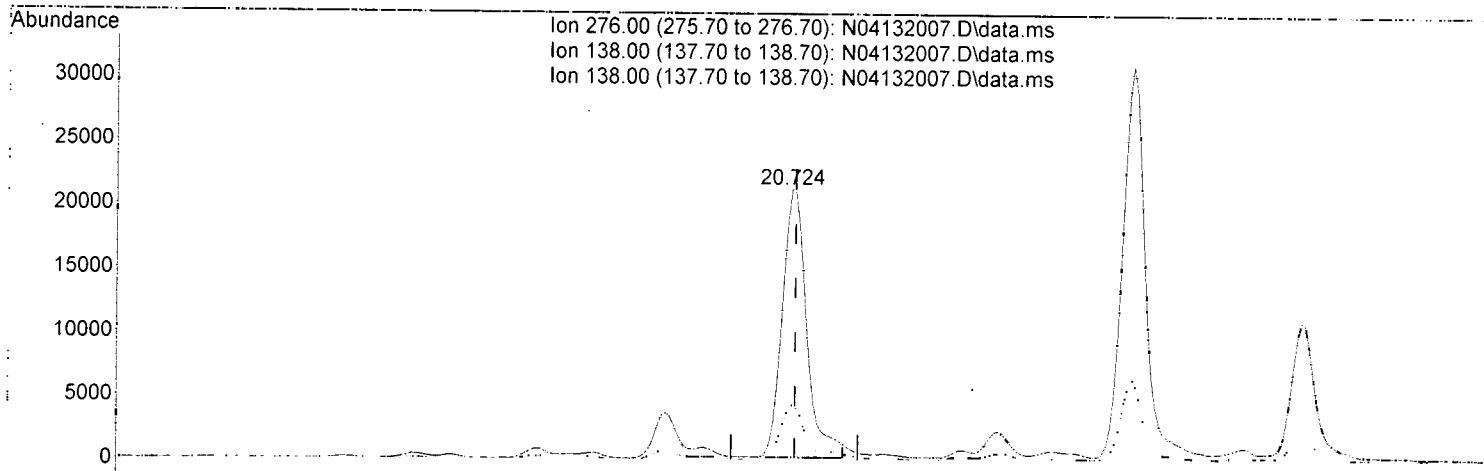
response 85754

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.33 |
| 253.00 | 21.90 | 22.47 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.724min (-0.006) 22.63 ng/ml

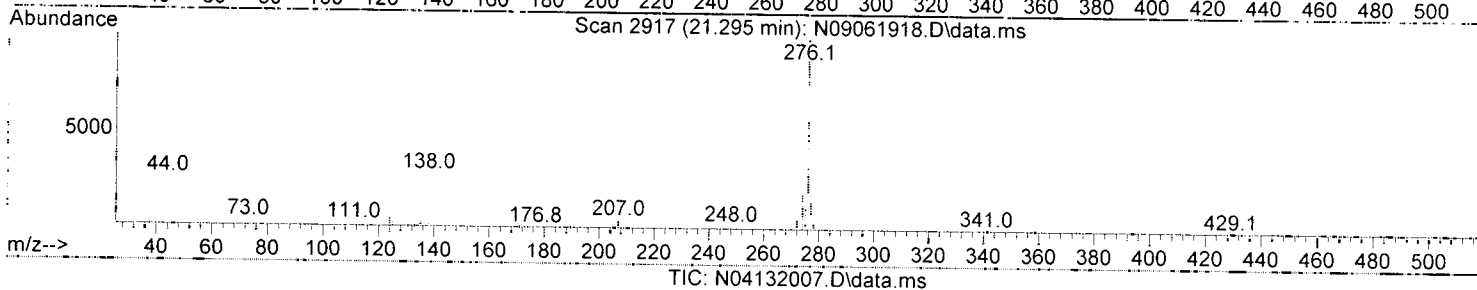
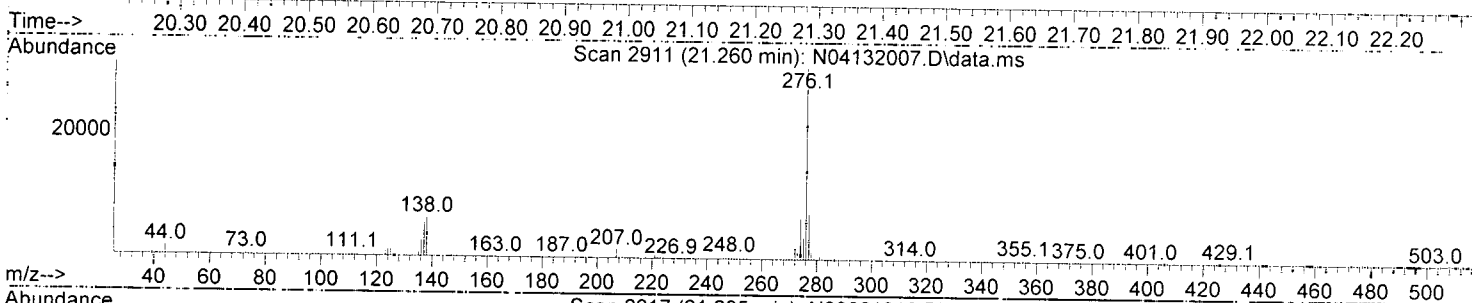
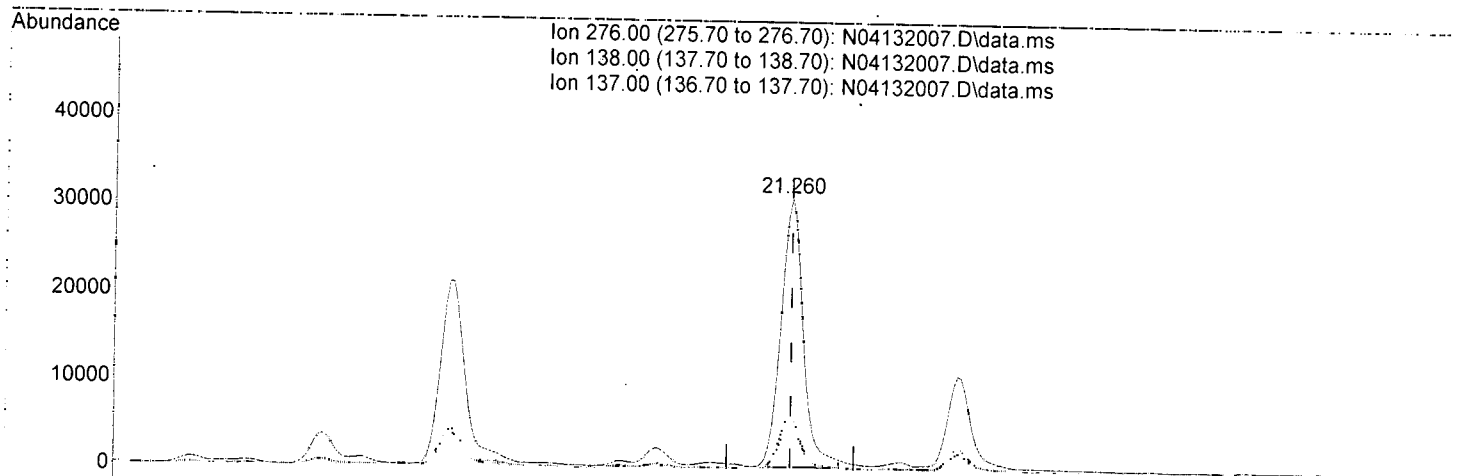
response 56905

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 20.41 |
| 138.00 | 31.60 | 20.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.260min (+ 0.000) 27.88 ng/ml

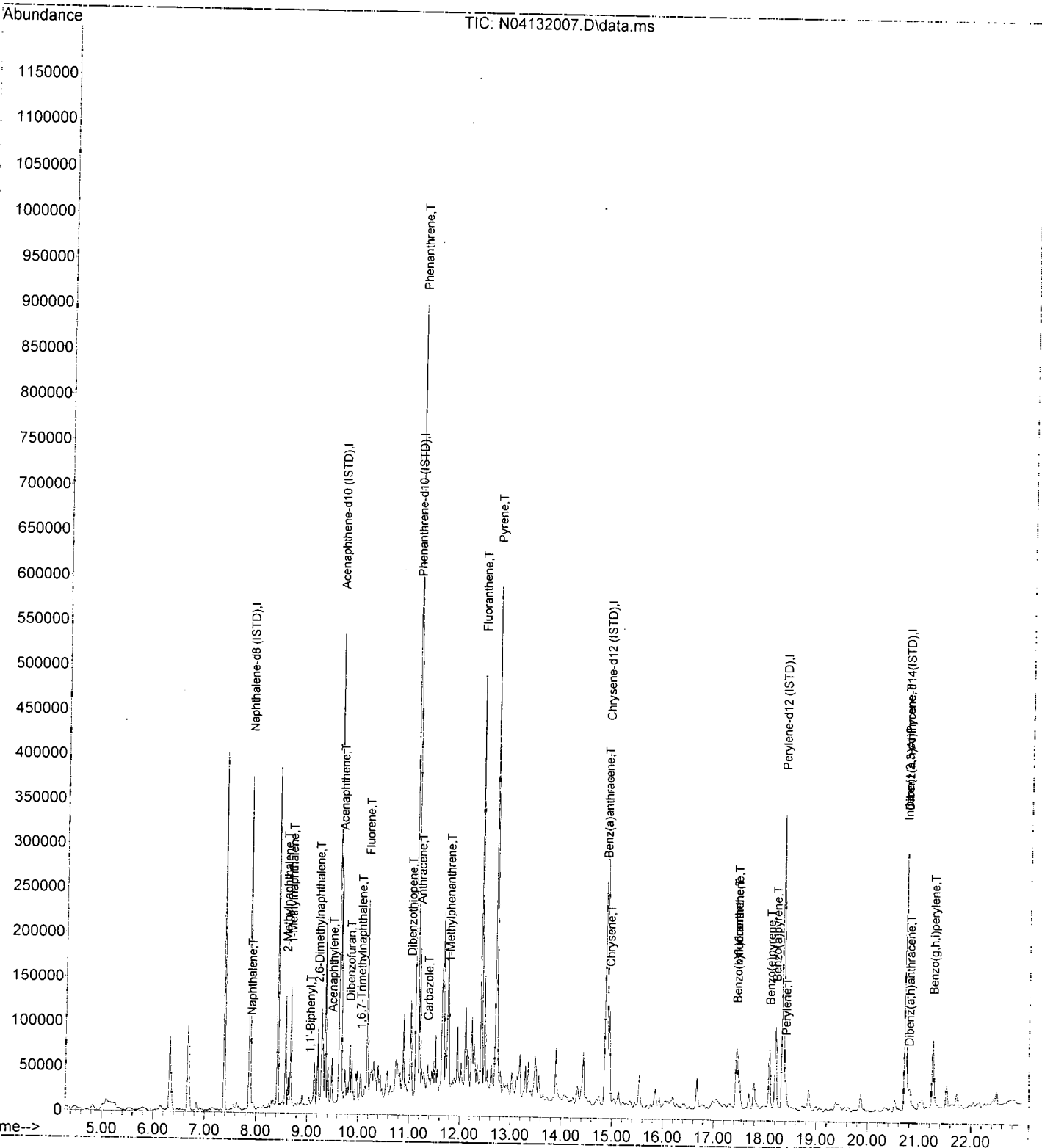
response 75220

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 20.62 |
| 137.00 | 28.60 | 17.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132007.D
 Acq On : 13 Apr 2020 11:20 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-04@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 13 13:24:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

AMS
 4/13/20
 MOS

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

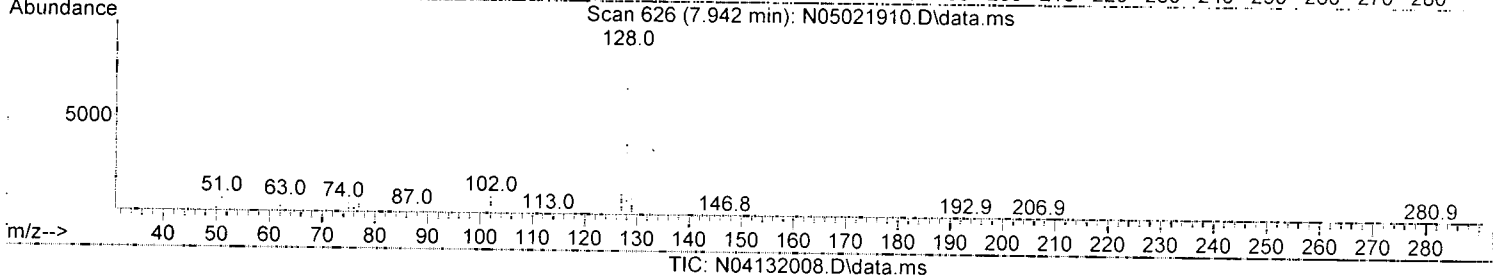
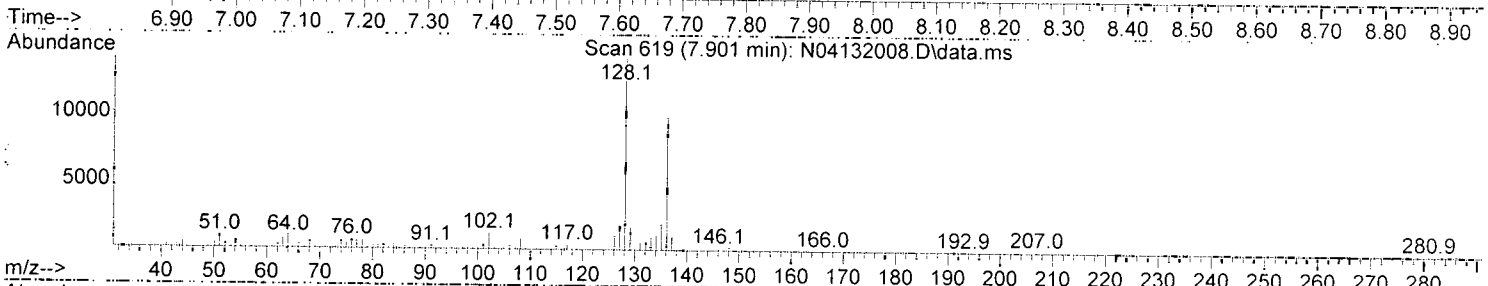
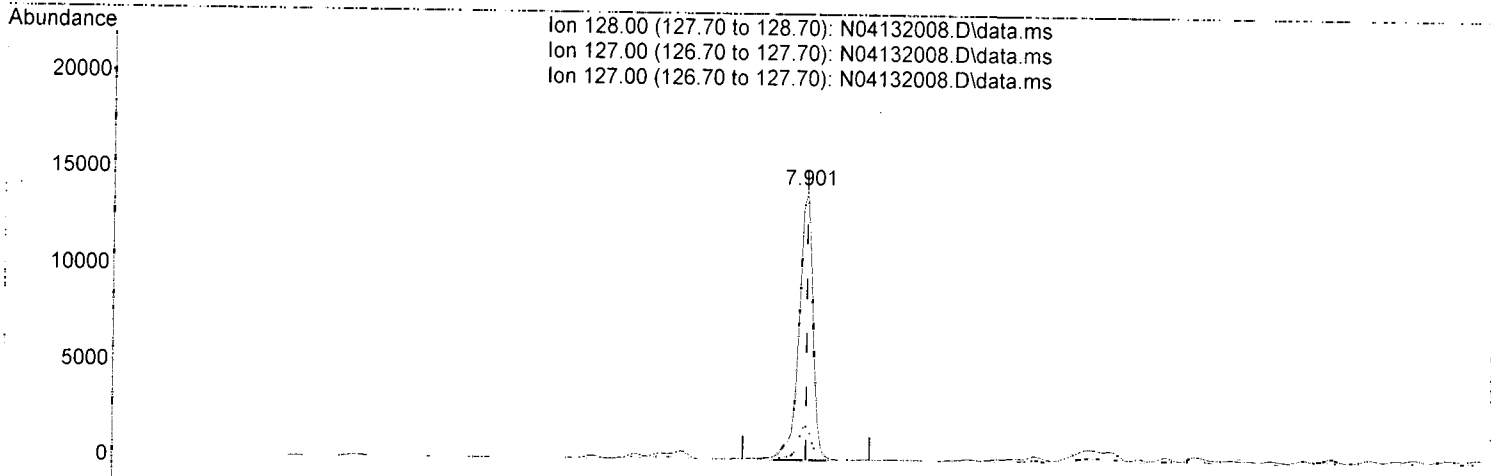
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 259908 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 159181 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 293408 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 279632 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 296514 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 233859 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 198 | 0.24 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 506 | 0.21 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 867 | 0.32 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 21558 | 7.62 | ng/ml | 100 |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 38993 | 20.51 | ng/ml | 96 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 47964 | 25.41 | ng/ml | 96 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 2757 | 1.15 | ng/ml | 94 |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 31532 | 19.19 | ng/ml | 96 |
| 11) Acenaphthylene | 9.486 | 152 | 18055 | 6.08 | ng/ml | 92 |
| 12) Acenaphthene | 9.667 | 153 | 115175 | 52.90 | ng/ml | 100 |
| 13) Dibenzofuran | 9.836 | 168 | 11210 | 4.25 | ng/ml | 92 |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 15196 | 8.91 | ng/ml | 94 |
| 15) Fluorene | 10.185 | 166 | 64251 | 30.69 | ng/ml | 99 |
| 17) Dibenzothiopene | 11.031 | 184 | 71163 | 24.00 | ng/ml | 96 |
| 18) Phenanthrene | 11.159 | 178 | 590403 | 174.82 | ng/ml | 99 |
| 19) Anthracene | 11.211 | 178 | 104127 | 37.65 | ng/ml | 97 |
| 20) Carbazole | 11.369 | 167 | 16157 | 6.77 | ng/ml | 95 |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 35357 | 15.52 | ng/ml | 95 |
| 22) Fluoranthene | 12.424 | 202 | 343691 | 103.26 | ng/ml | 95 |
| 24) Pyrene | 12.715 | 202 | 439121 | 121.07 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 81126 | 27.98 | ng/ml | 71 |
| 27) Chrysene | 14.947 | 228 | 102896 | 34.50 | ng/ml | 98 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 85643 | 27.94 | ng/ml | 90 |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 101378 | 33.18 | ng/ml | 89 |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 117183 | 36.36 | ng/ml | 89 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 55415 | 17.29 | ng/ml | 97 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 81688 | 33.66 | ng/ml | 96 |
| 34) Perylene | 18.404 | 252 | 21978 | 6.66 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 51294 | 20.19 | ng/ml | 77 |
| 37) Dibenz(a,h)anthracene | 20.788 | 278 | 6481 | 2.53 | ng/ml | 91 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 64205 | 23.56 | ng/ml | 78 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.901min (+ 0.000) 7.62 ng/ml

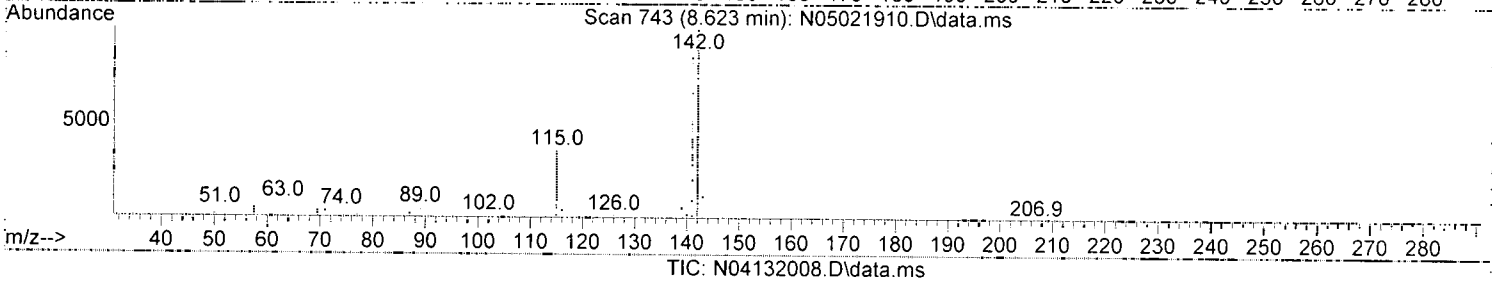
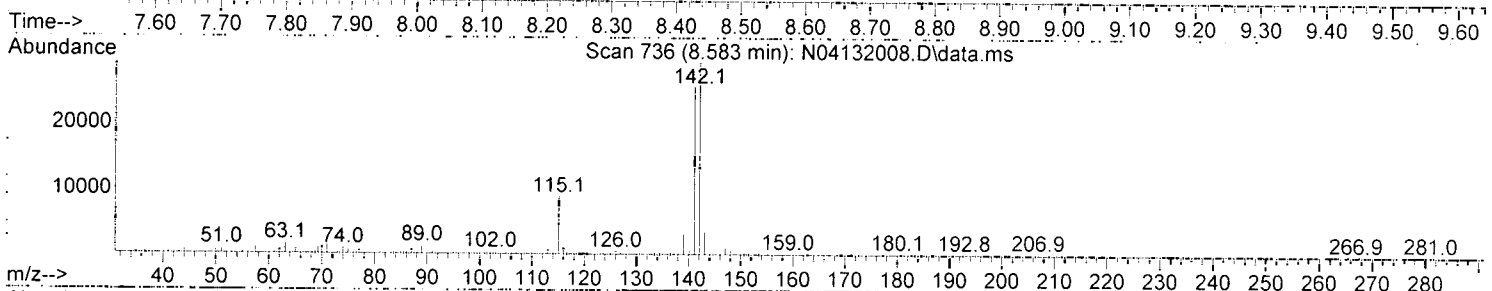
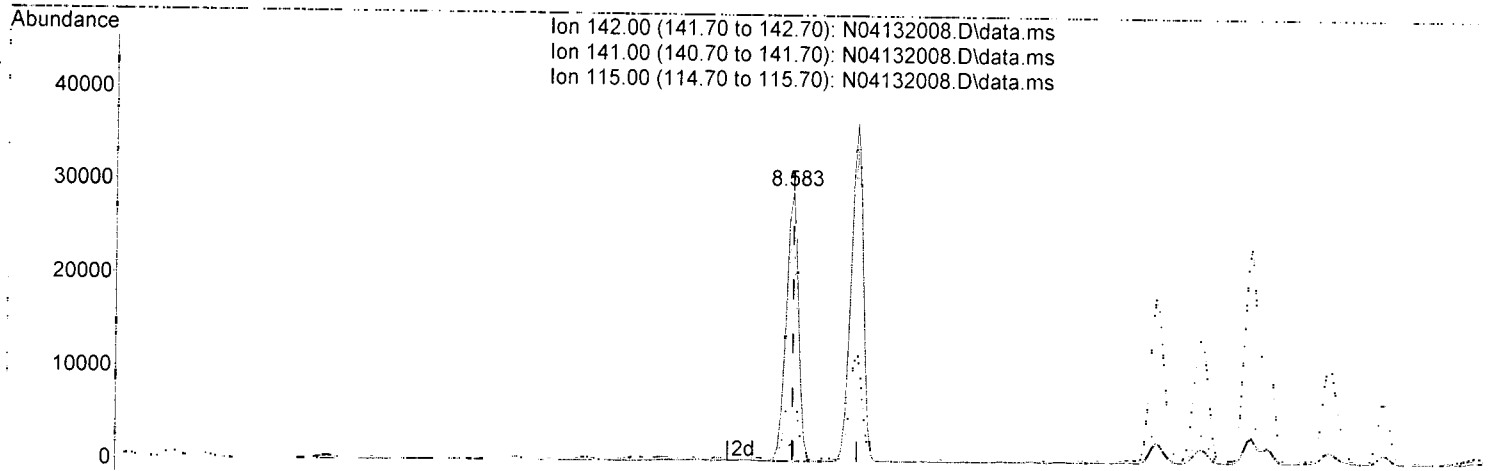
response 21558

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 12.78 |
| 127.00 | 12.60 | 12.78 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.583min (+ 0.000) 20.51 ng/ml

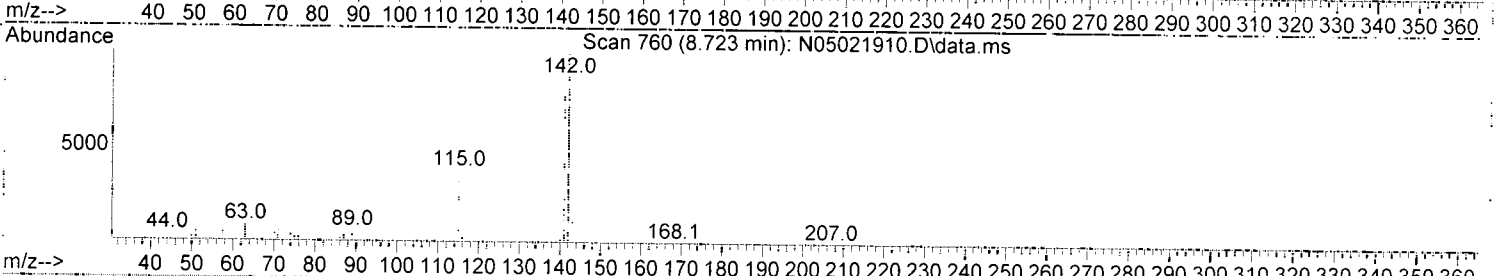
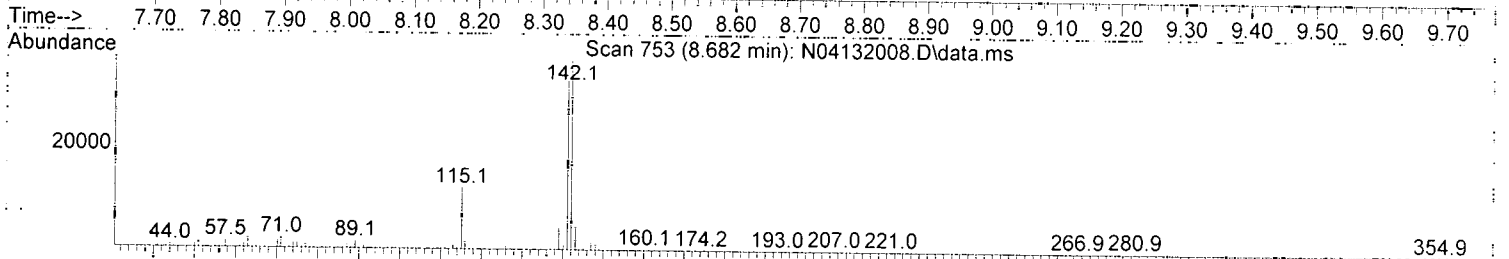
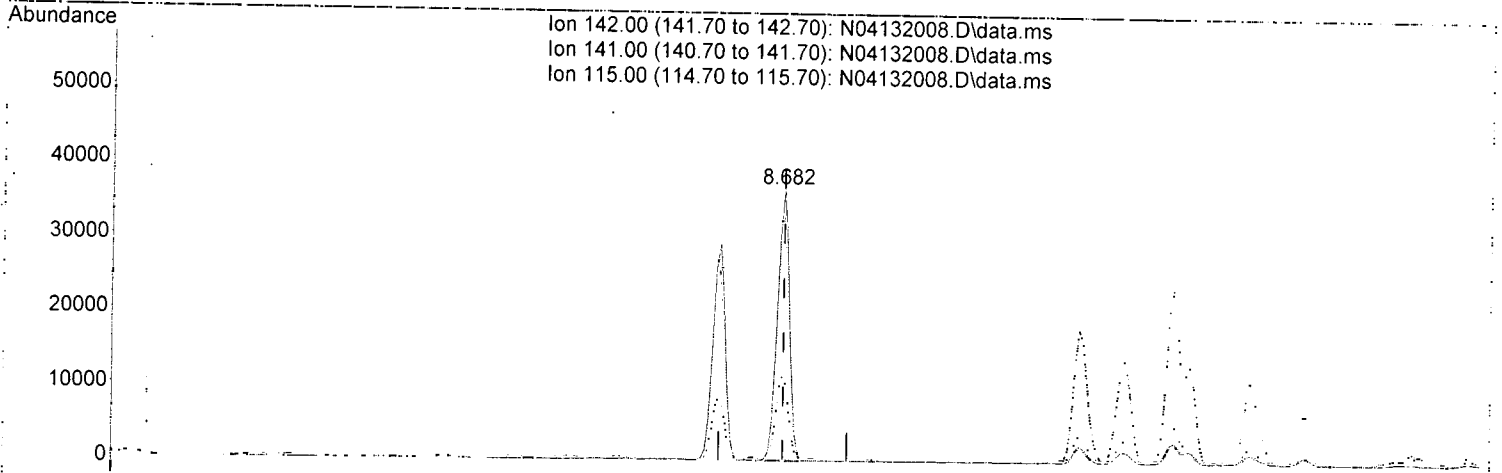
response 38993

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 86.60 | 88.11 |
| 115.00 | 35.70 | 29.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (+ 0.000) 25.41 ng/ml

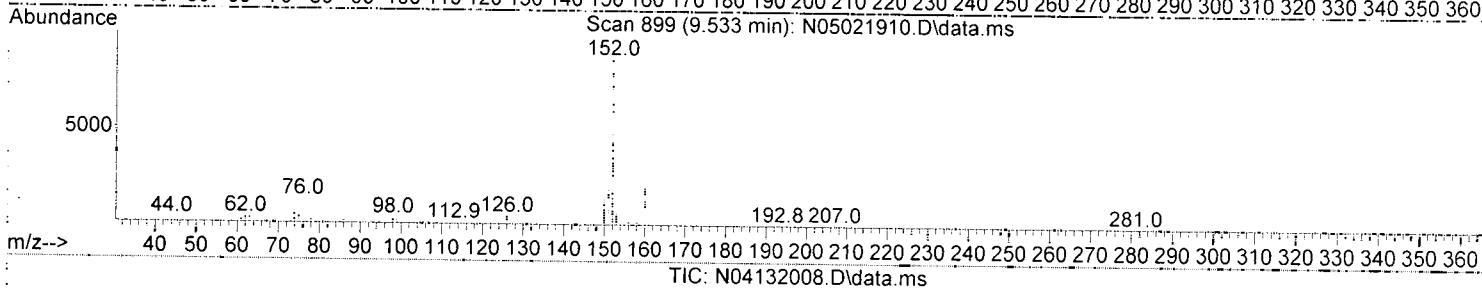
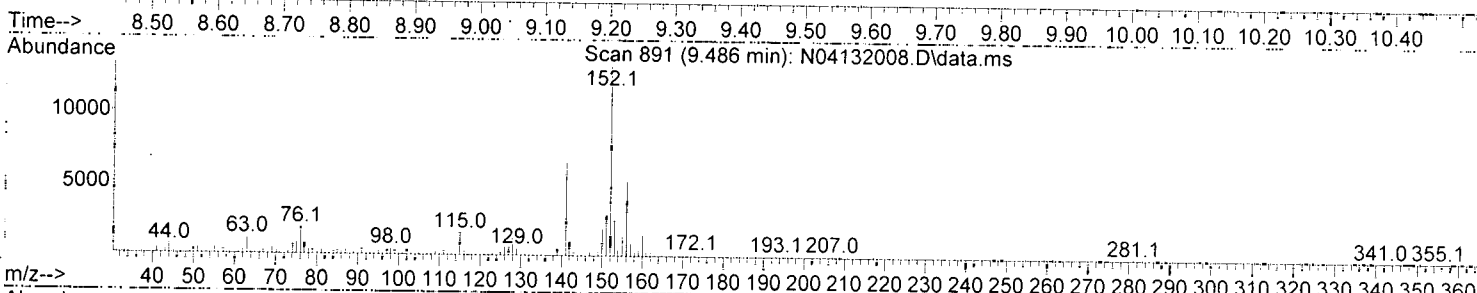
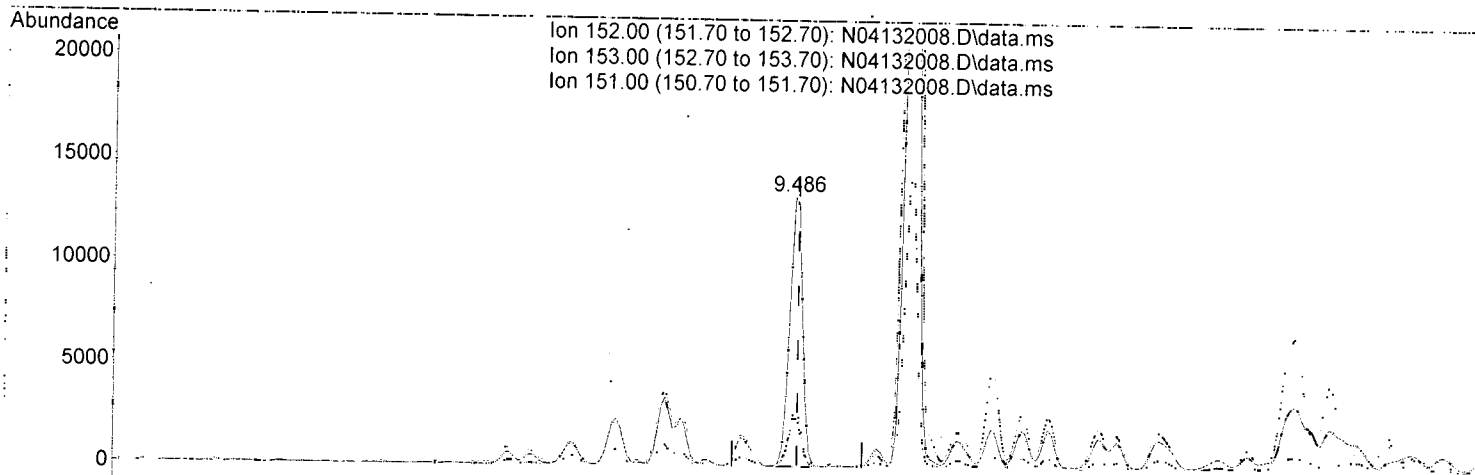
response 47964

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 92.23 |
| 115.00 | 37.80 | 32.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132008.D\data.ms

(11) Acenaphthylene (T)

9.486min (-0.006) 6.08 ng/ml

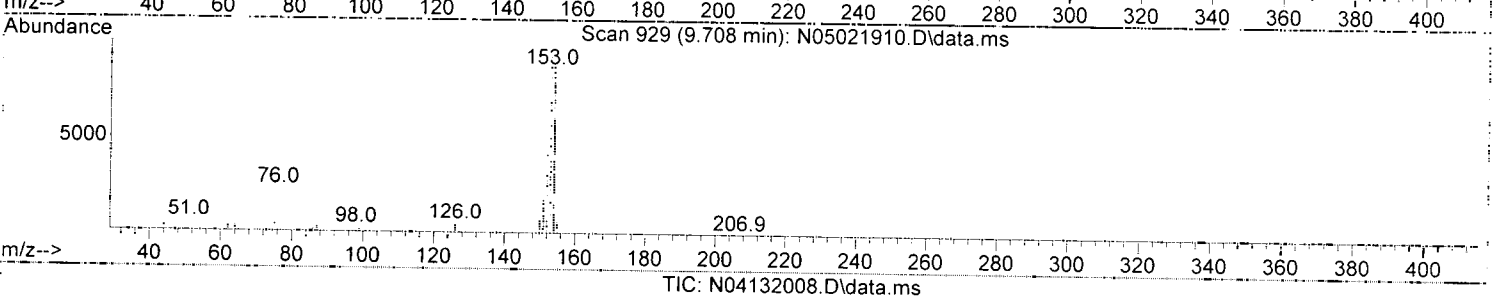
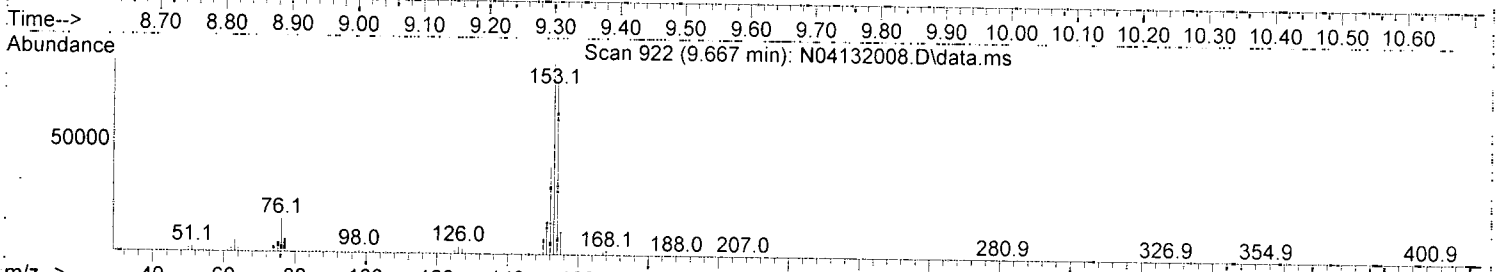
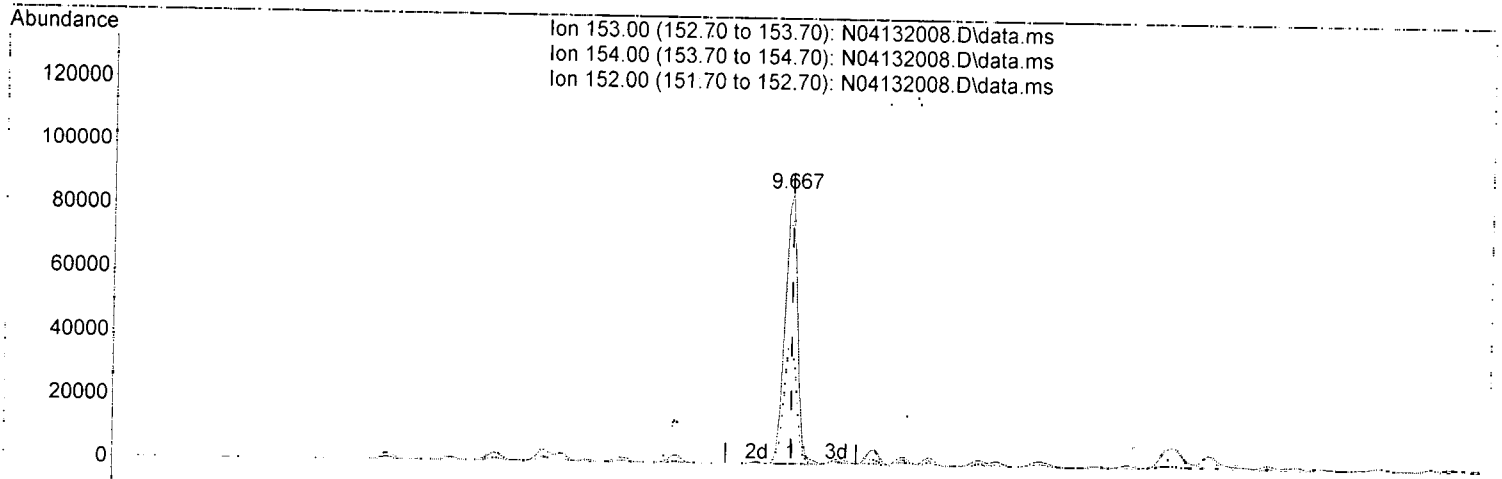
response 18055

| Ion | Exp% | Act% |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 18.36 |
| 151.00 | 19.30 | 21.27 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132008.D\data.ms

(12) Acenaphthene (T)

9.667min (+ 0.000) 52.90 ng/ml

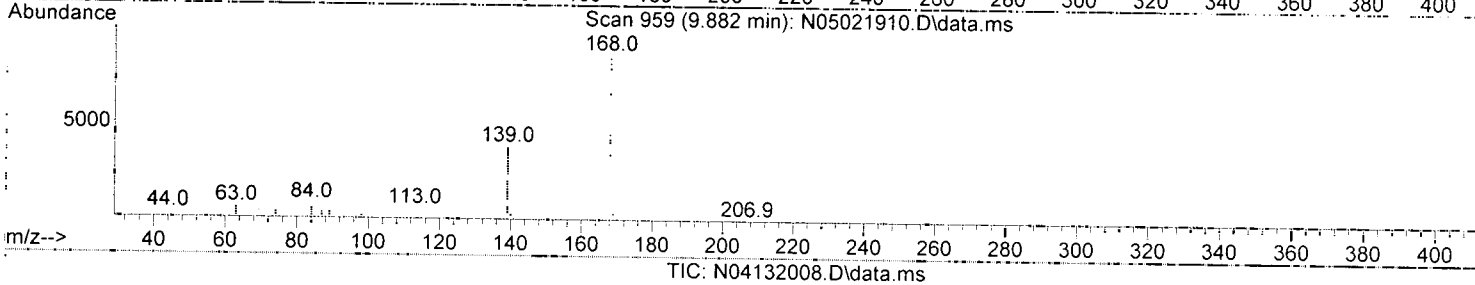
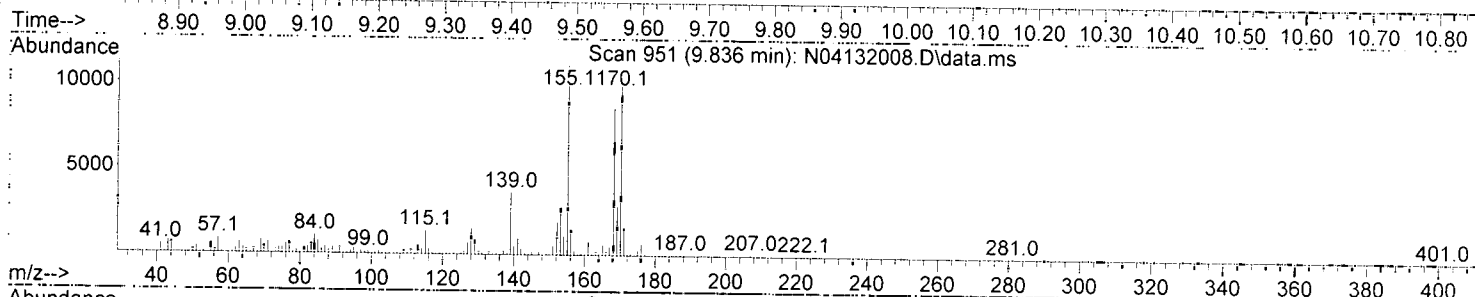
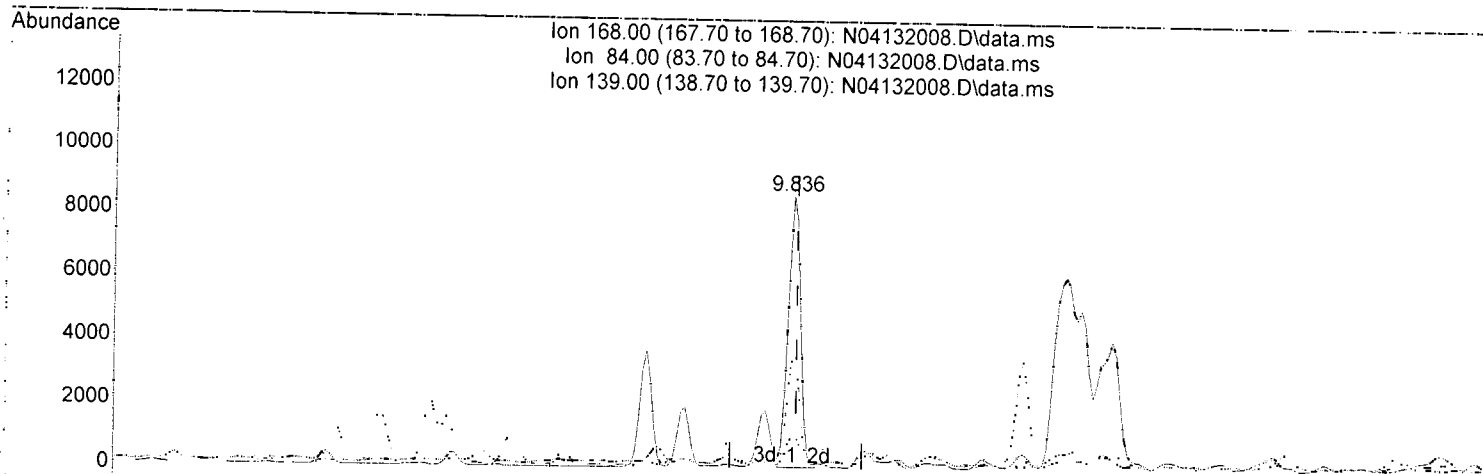
response 115175

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.41 |
| 152.00 | 46.80 | 46.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(13) Dibenzofuran (T)

9.836min (-0.006) 4.25 ng/ml

response 11210

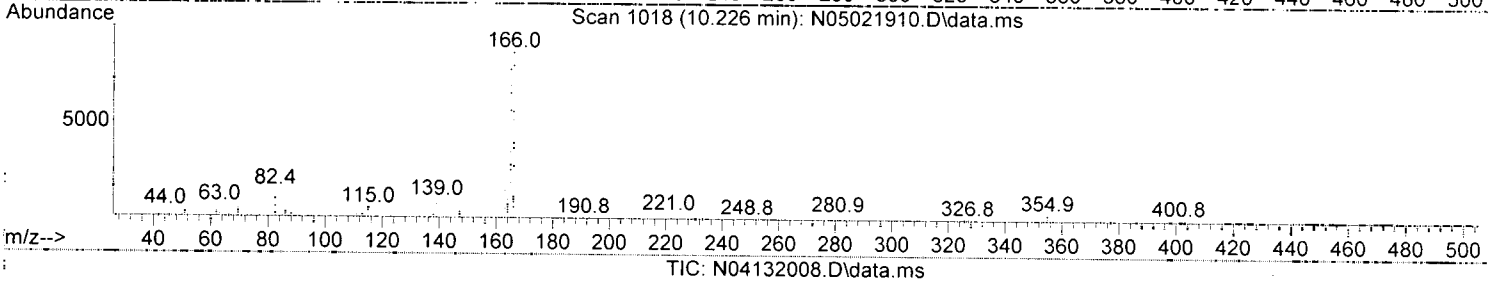
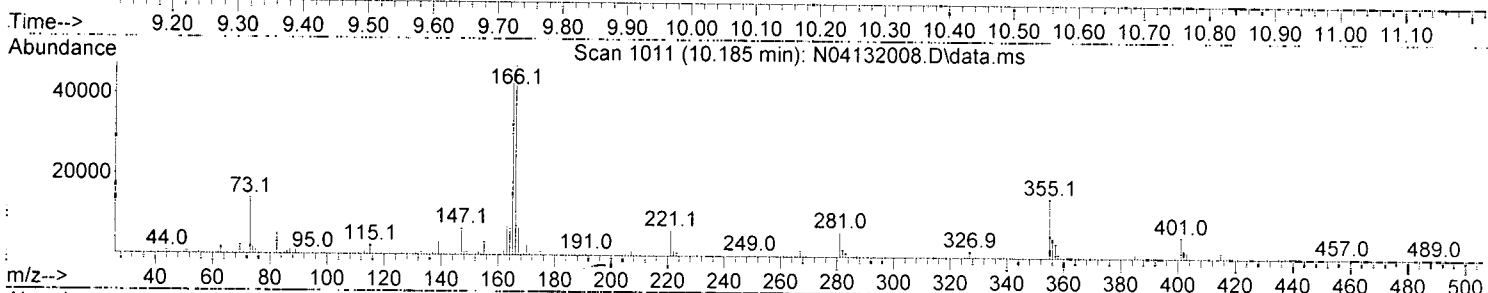
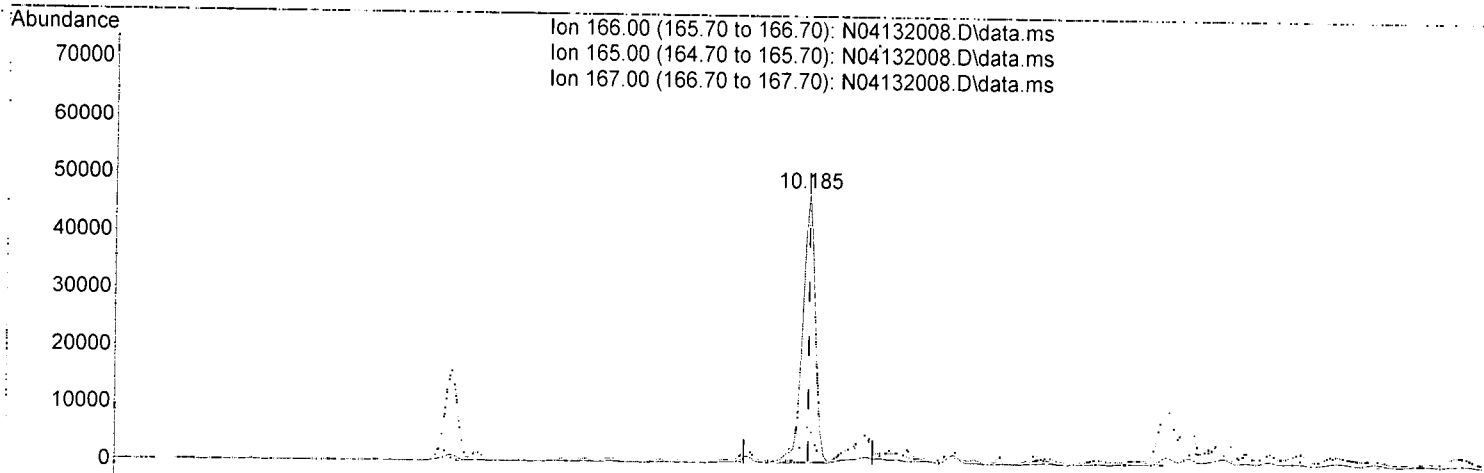
| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 12.86 |
| 139.00 | 38.40 | 42.40 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.185min (+ 0.000) 30.69 ng/ml

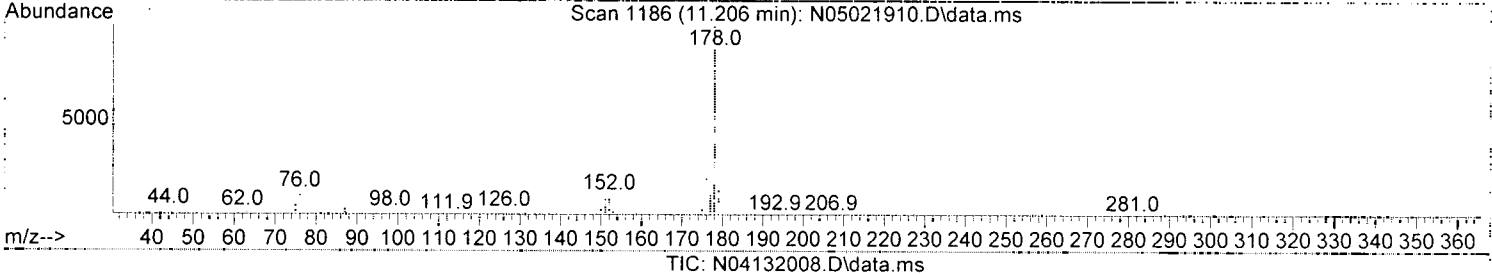
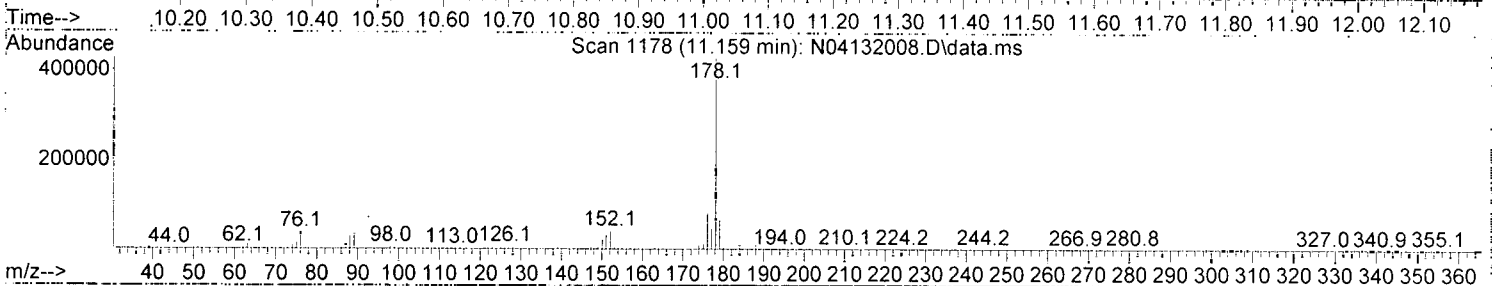
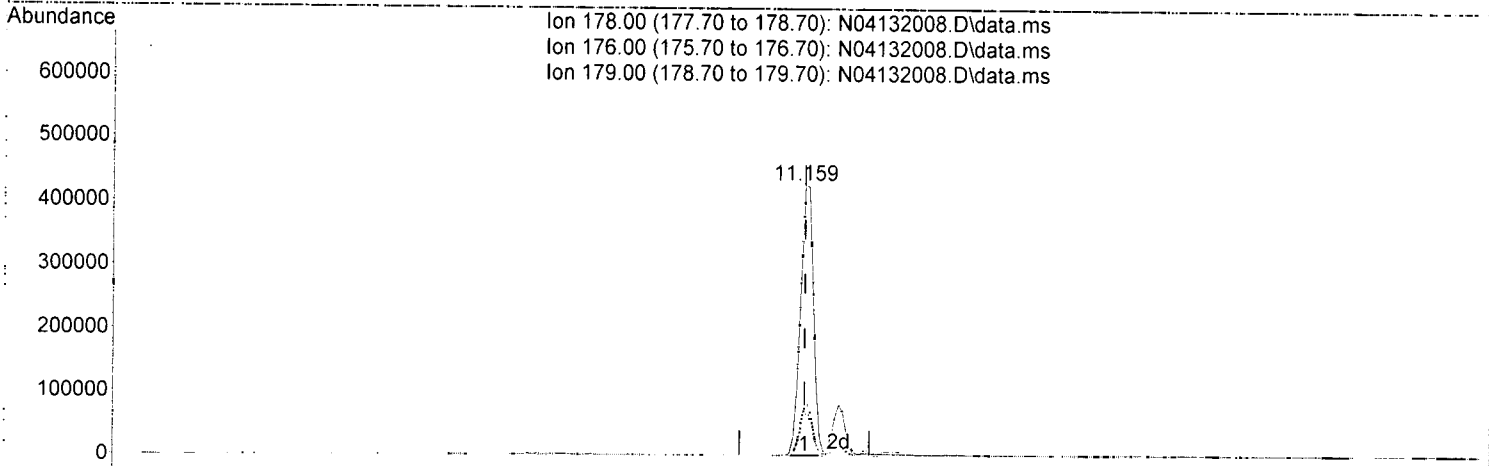
response 64251

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 94.53 |
| 167.00 | 13.60 | 14.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.159min (+ 0.000) 174.82 ng/ml

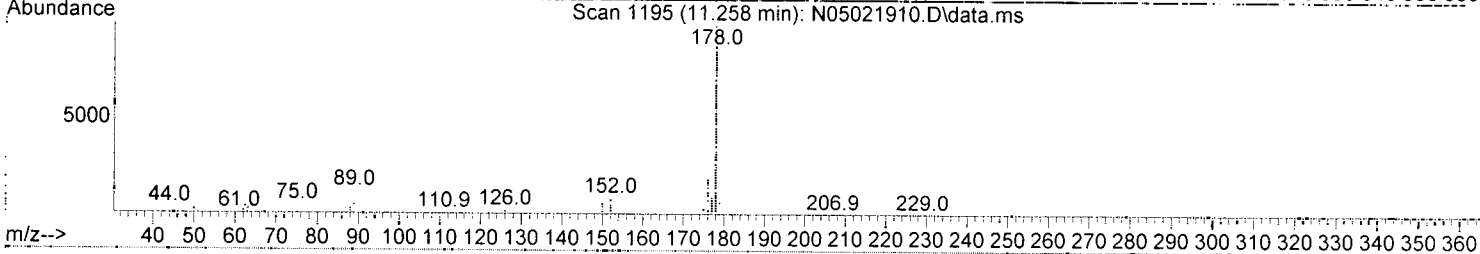
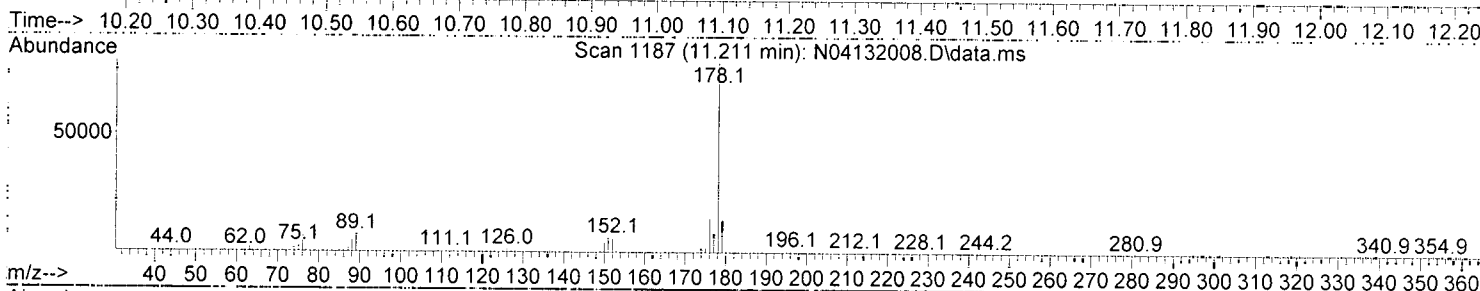
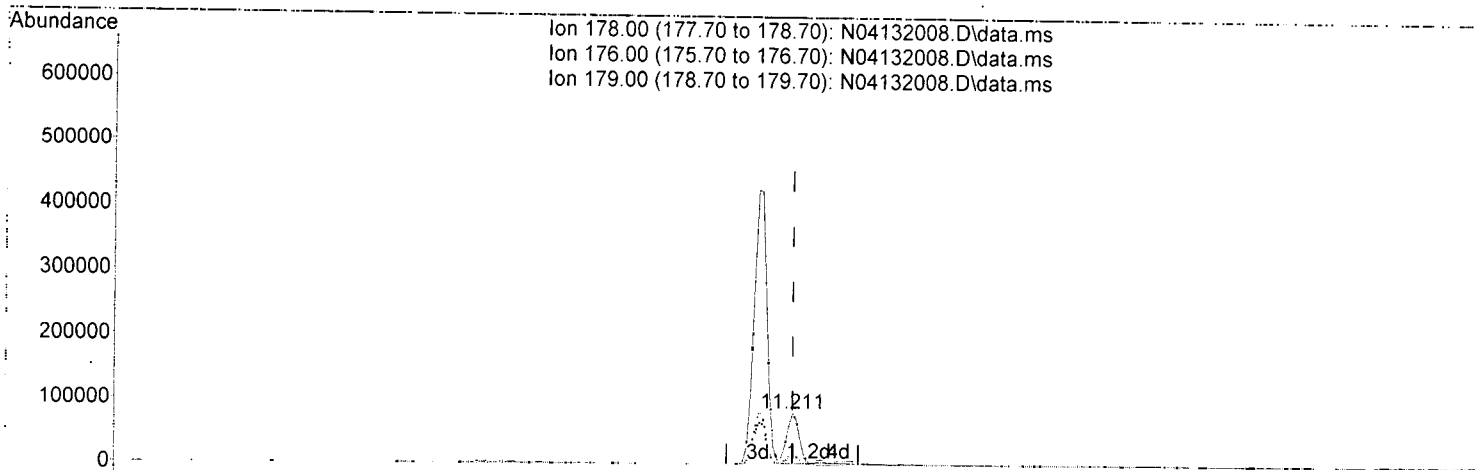
response 590403

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.94 |
| 179.00 | 15.10 | 15.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (+ 0.000) 37.65 ng/ml

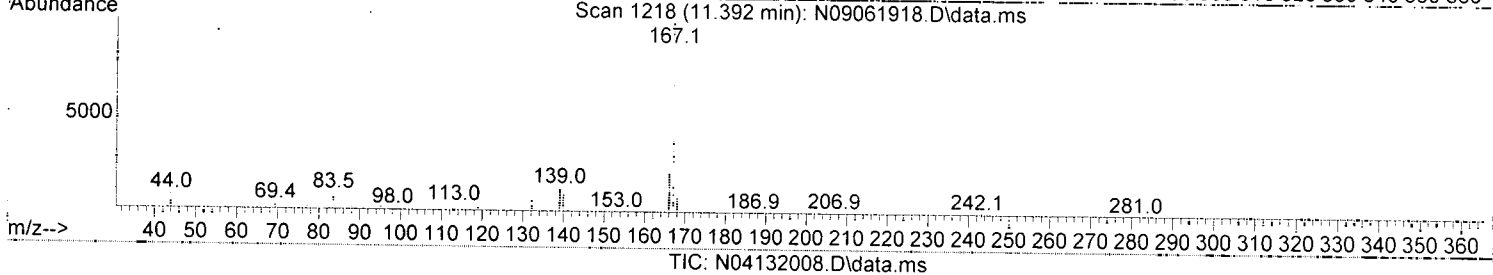
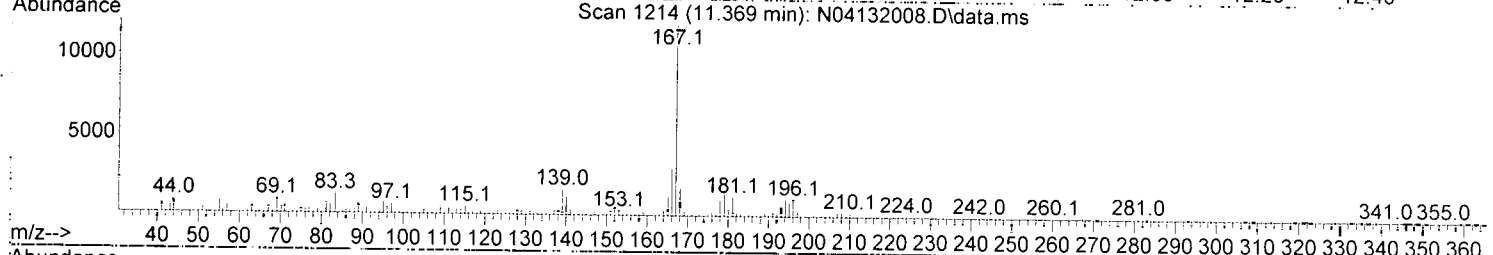
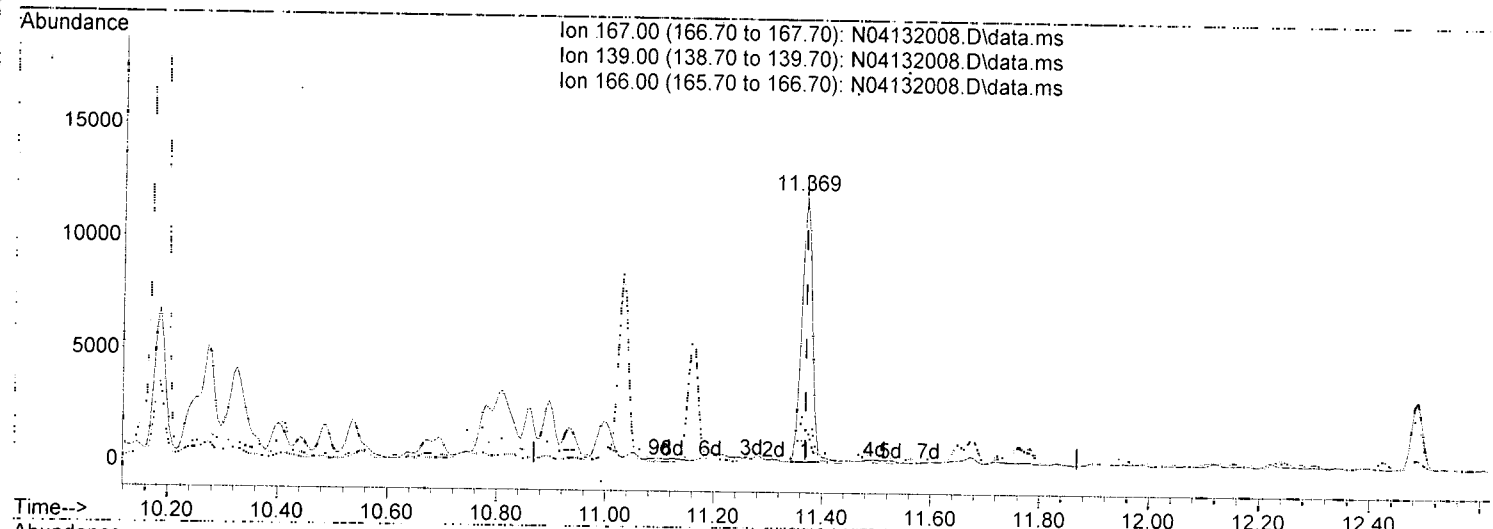
response 104127

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 17.84 |
| 179.00 | 15.30 | 16.72 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(20) Carbazole (T)

11.369min (+ 0.000) 6.77 ng/ml

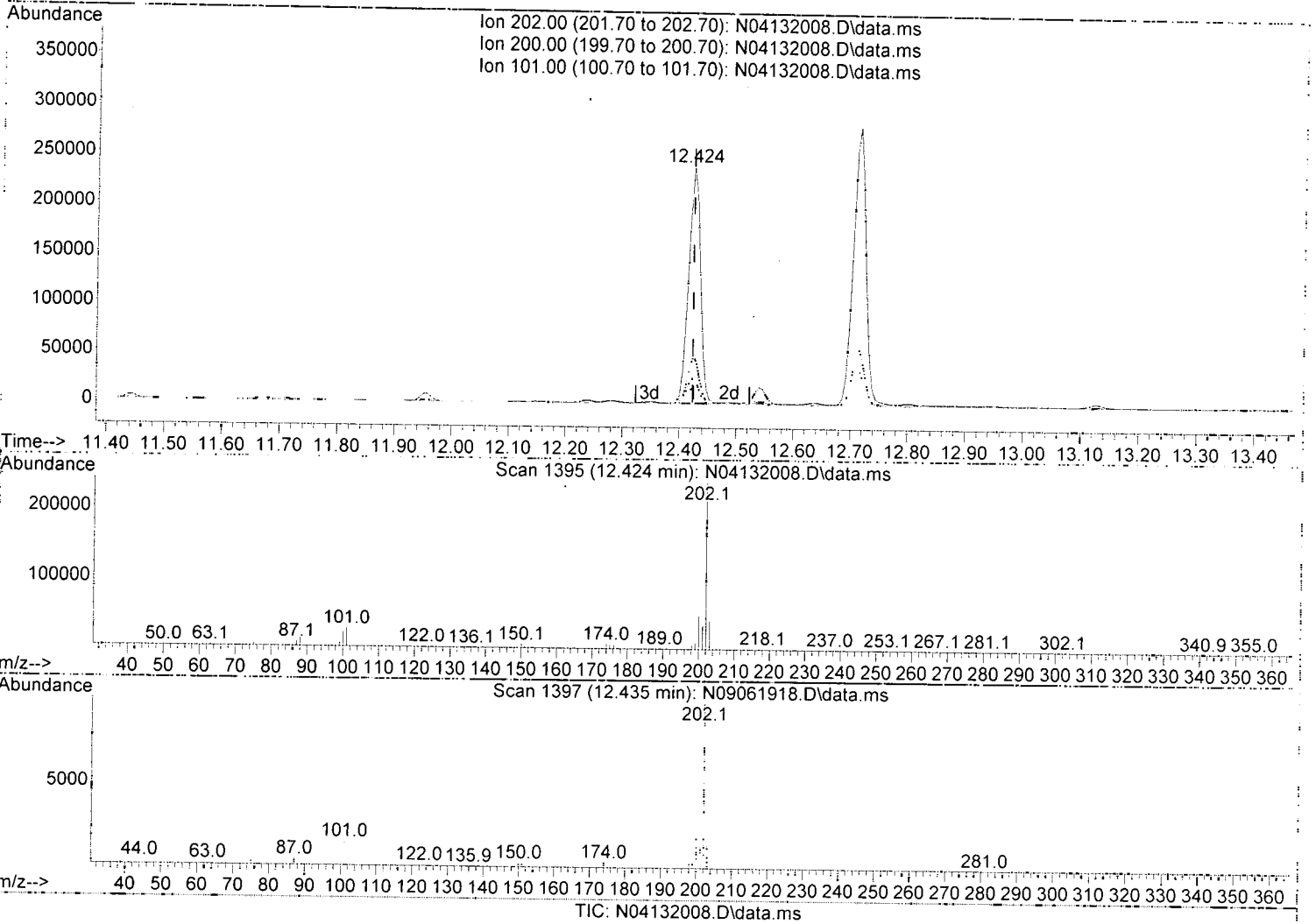
response 16157

| Ion | Exp% | Act% |
|--------|--------|--------|
| 167.00 | 100.00 | 100.00 |
| 139.00 | 13.50 | 13.41 |
| 166.00 | 21.10 | 24.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132008.D
Acq On : 13 Apr 2020 11:52 am
Operator : JK/ AMS/ DTH
Sample : A0D0212-05@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(22) Fluoranthene (T)

12.424min (+ 0.000) 103.26 ng/ml

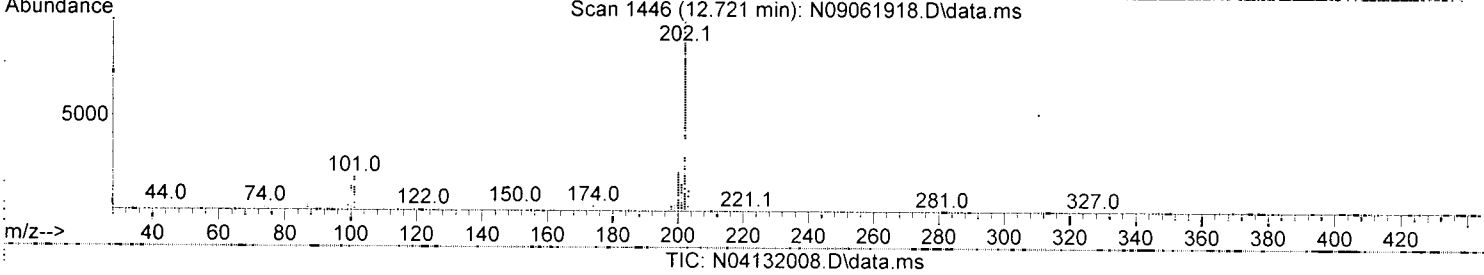
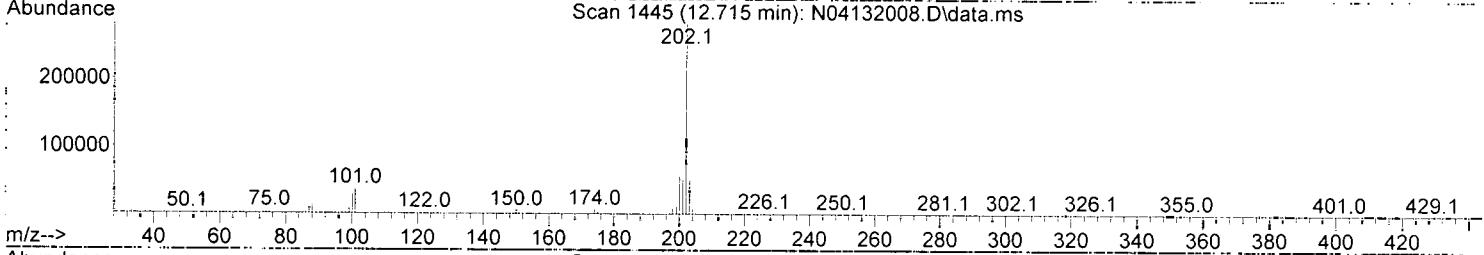
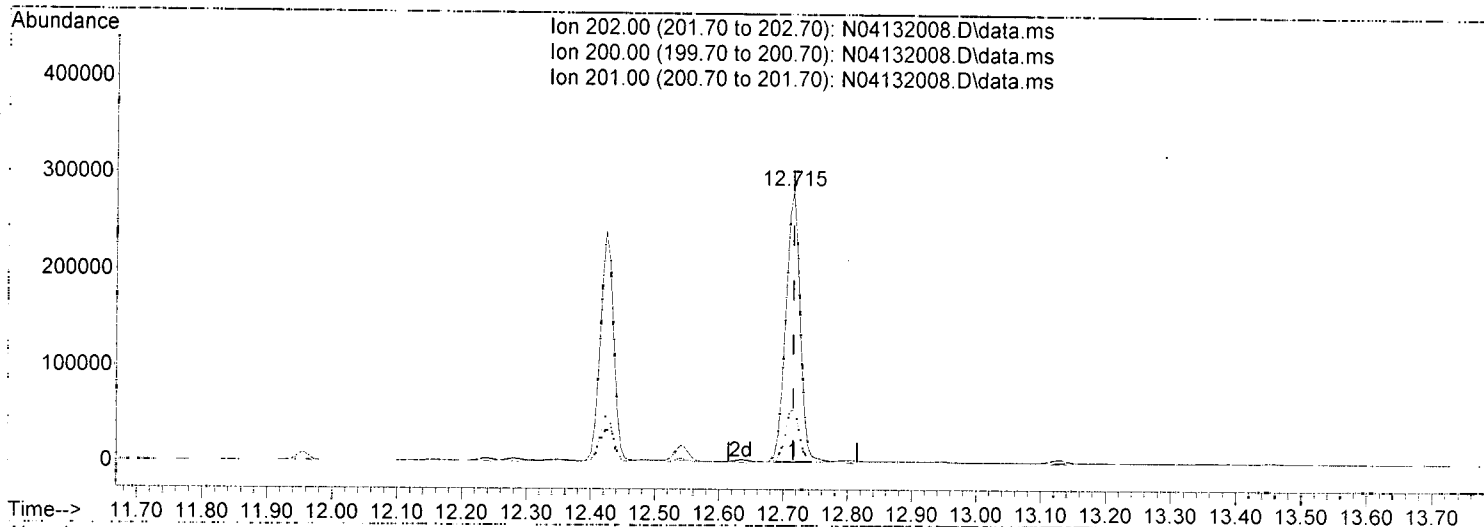
response 343691

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 20.18 |
| 101.00 | 15.30 | 11.30 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.715min (+ 0.000) 121.07 ng/ml

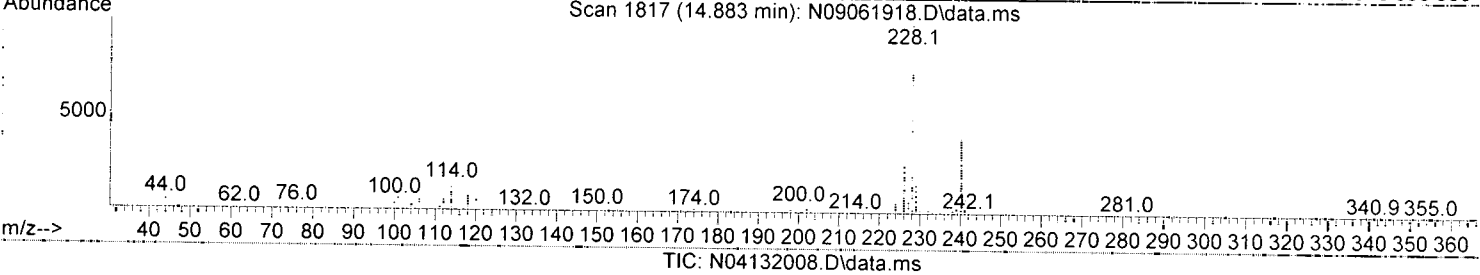
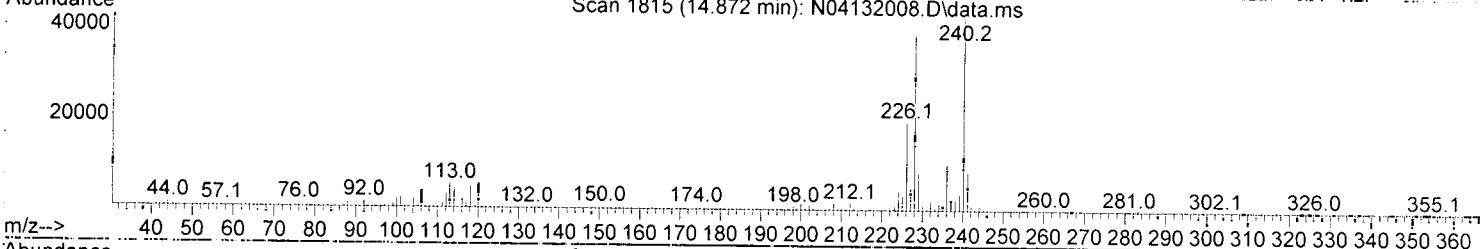
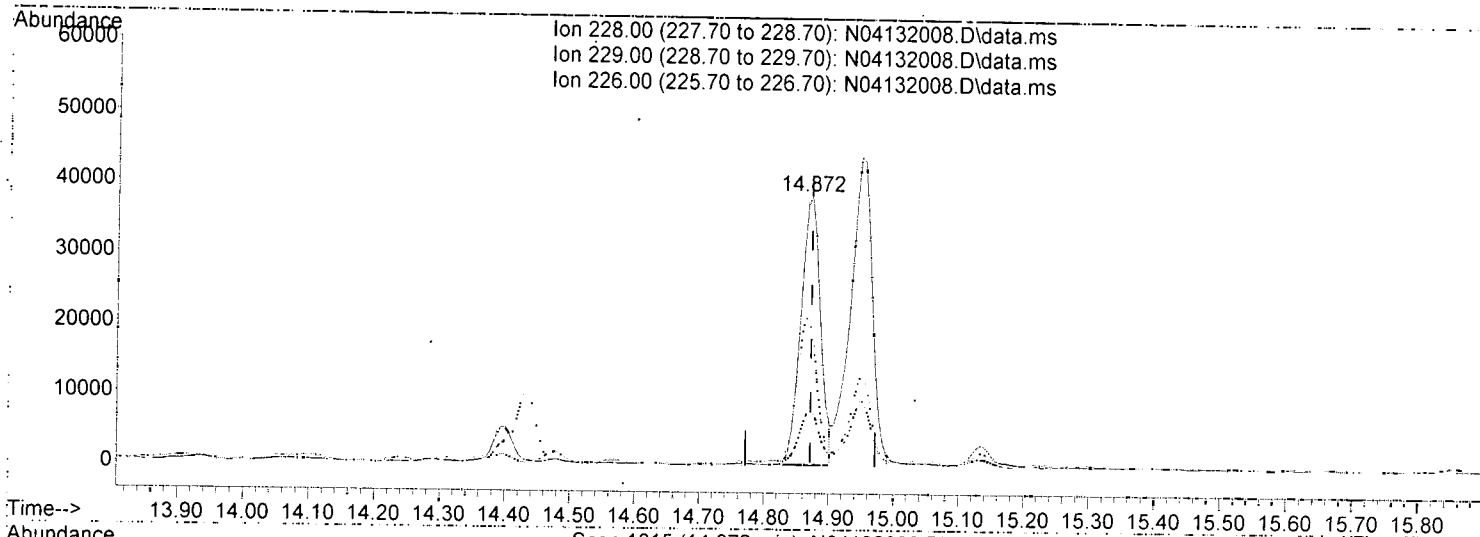
response 439121

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.08 |
| 201.00 | 16.80 | 17.29 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.872min (+ 0.000) 27.98 ng/ml

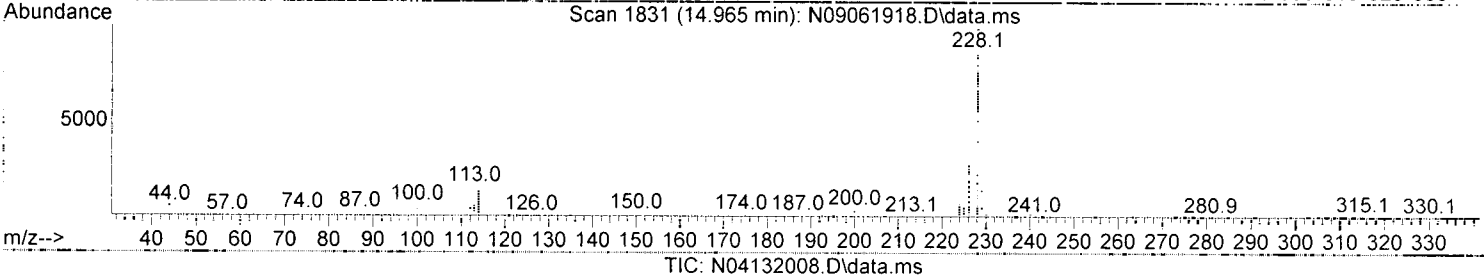
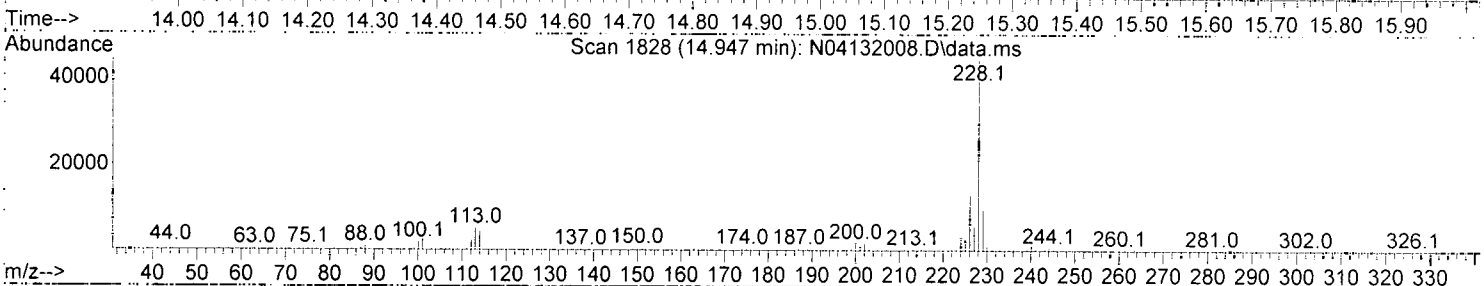
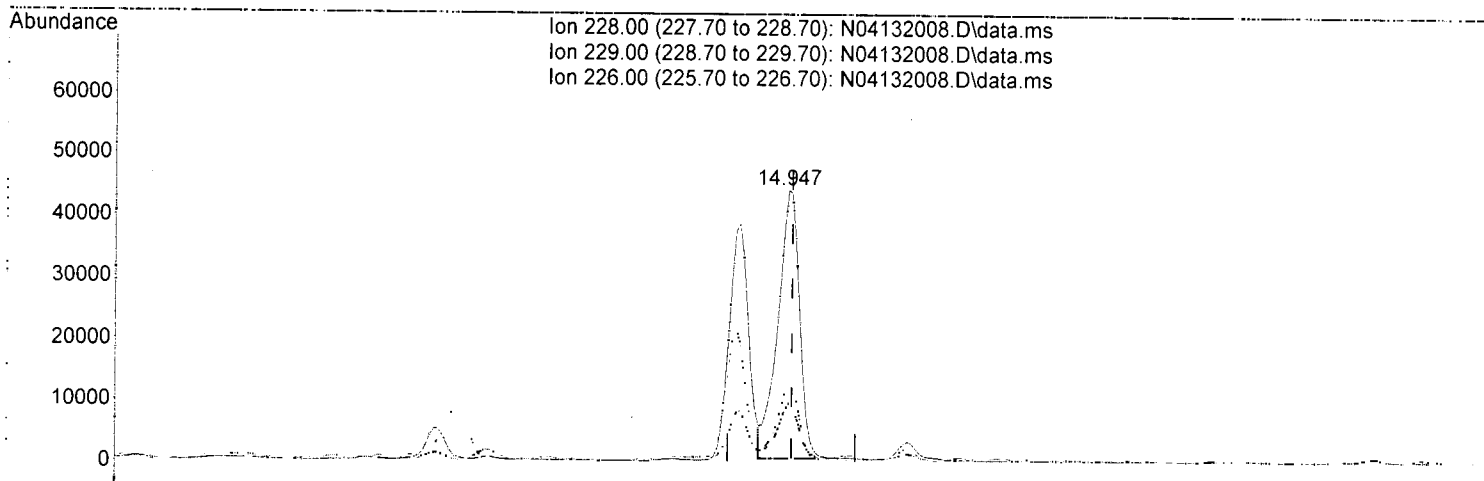
response 81126

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 21.22 |
| 226.00 | 26.20 | 50.45 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(27) Chrysene (T)

14.947min (-0.006) 34.50 ng/ml

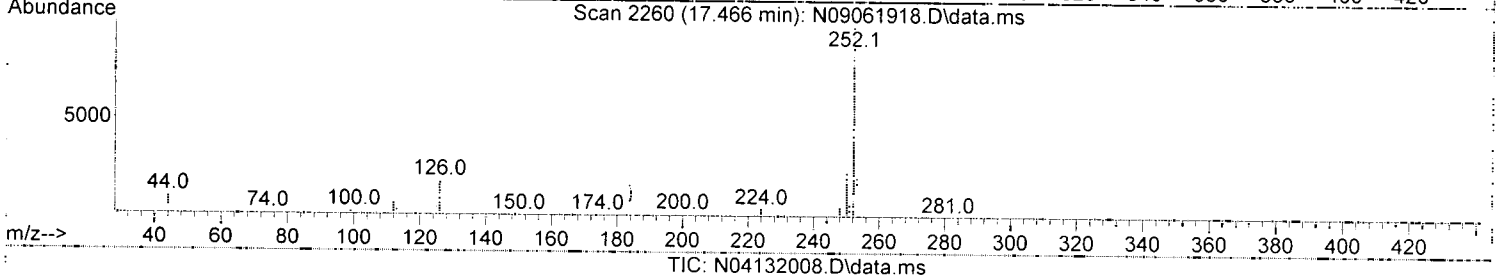
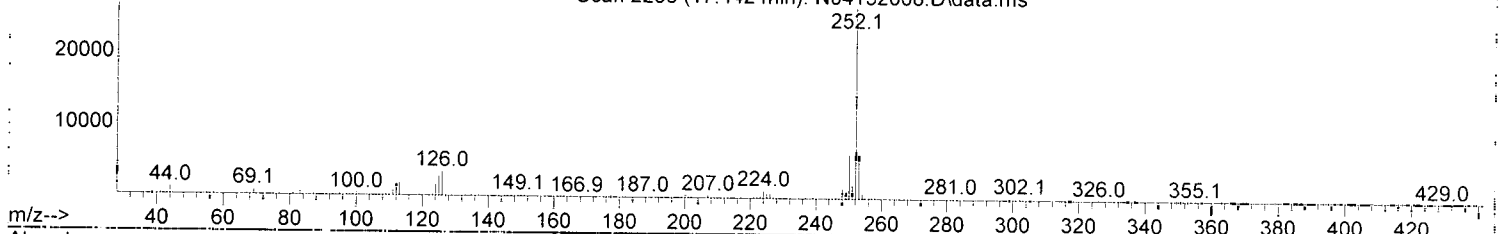
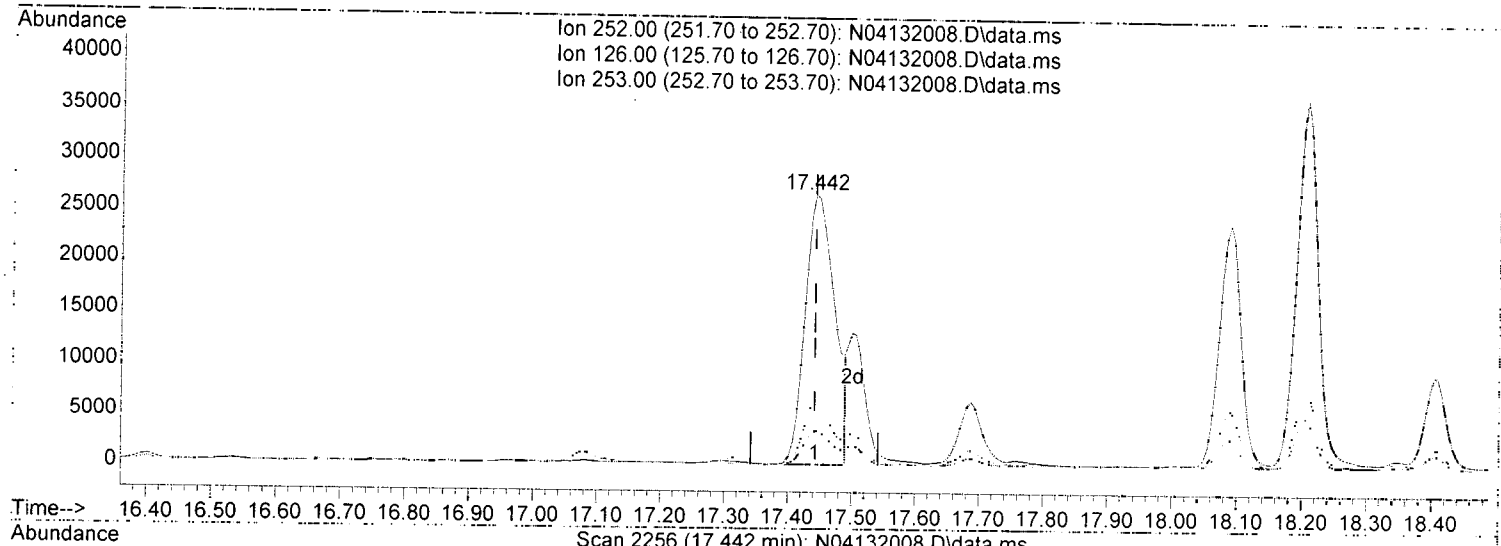
response 102896

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.40 |
| 226.00 | 28.60 | 29.27 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



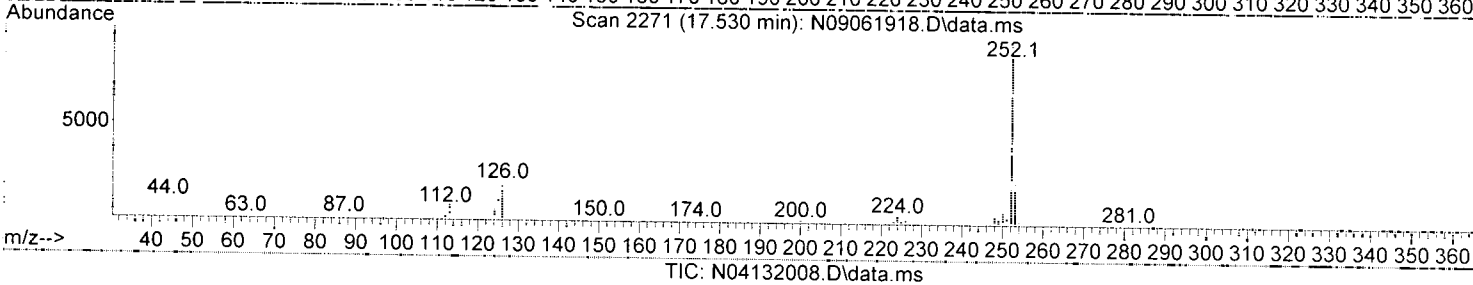
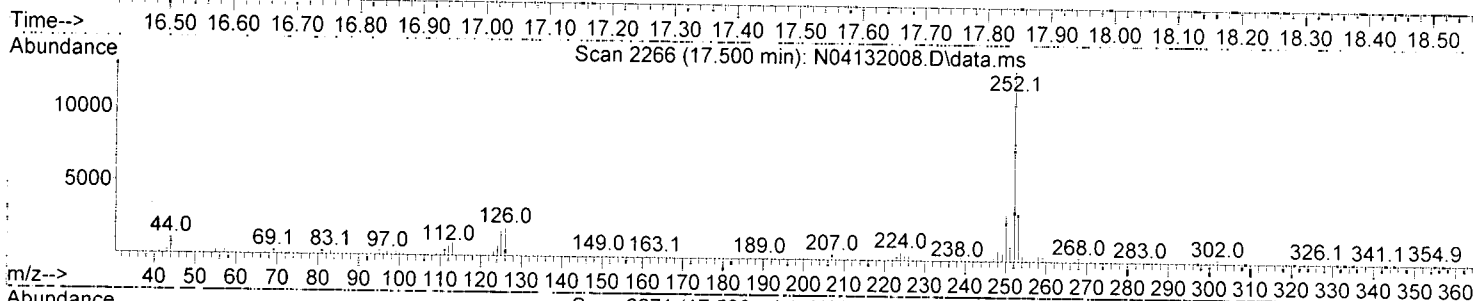
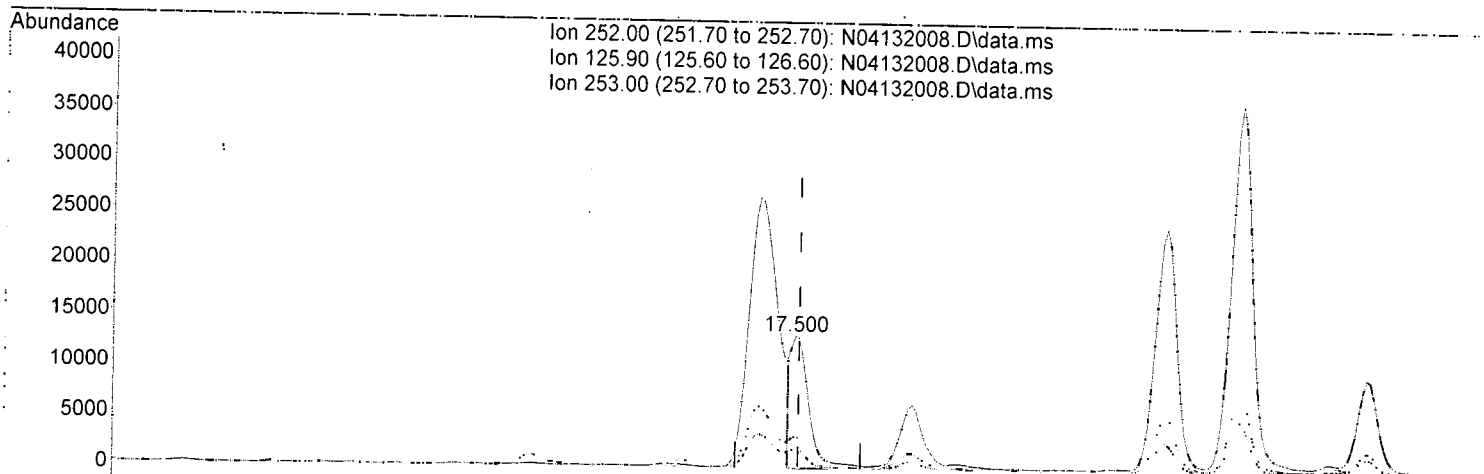
(29) Benzo(b)fluoranthene (T)

| | |
|---------------------|---------------|
| 17.442min (+ 0.000) | 27.94 ng/ml |
| response | 85643 |
| Ion | Exp% Act% |
| 252.00 | 100.00 100.00 |
| 126.00 | 20.00 12.74 |
| 253.00 | 21.10 22.84 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.500min (-0.006) 8.28 ng/ml

response 25293

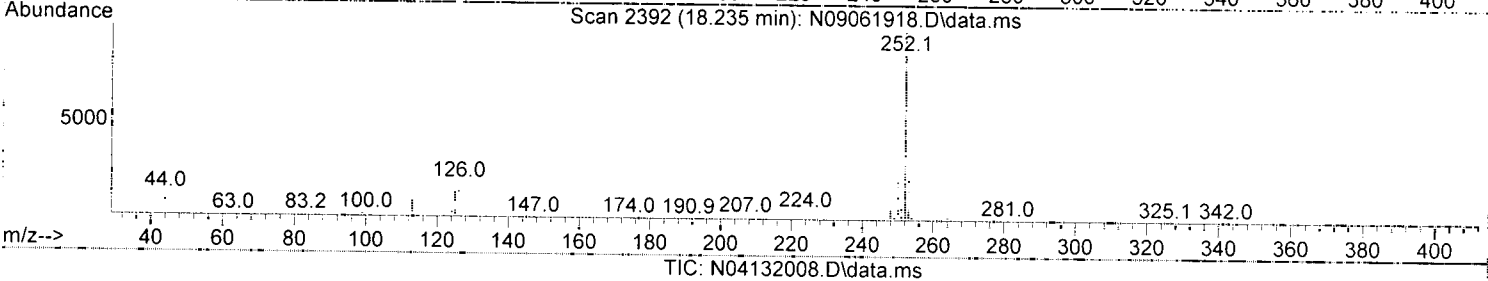
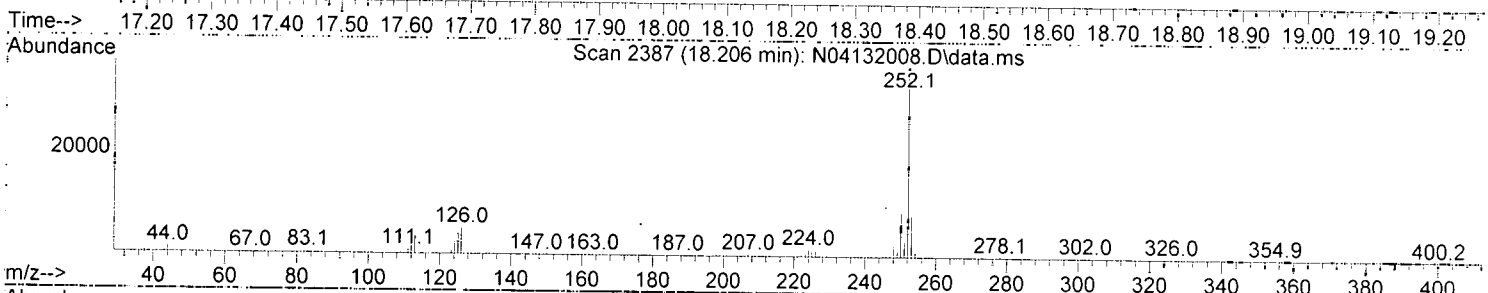
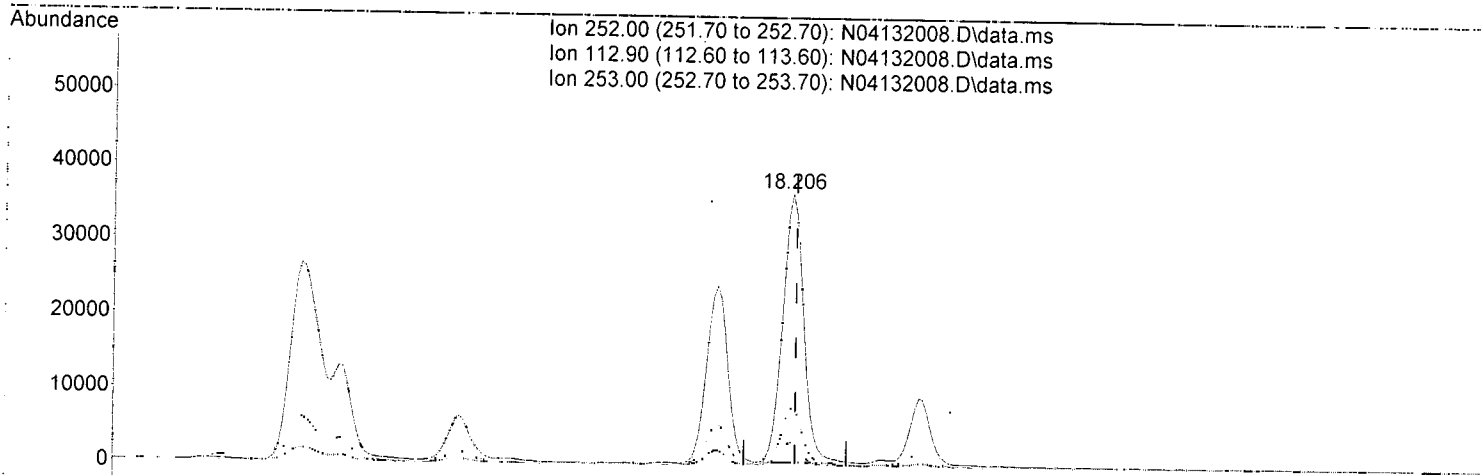
| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 14.90 |
| 253.00 | 21.50 | 24.65 |
| 0.00 | 0.00 | 0.00 |

AMS
4/13/20 *MOS*

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132008.D\data.ms

(33) Benzo(a)pyrene (T)

18.206min (-0.006) 33.66 ng/ml

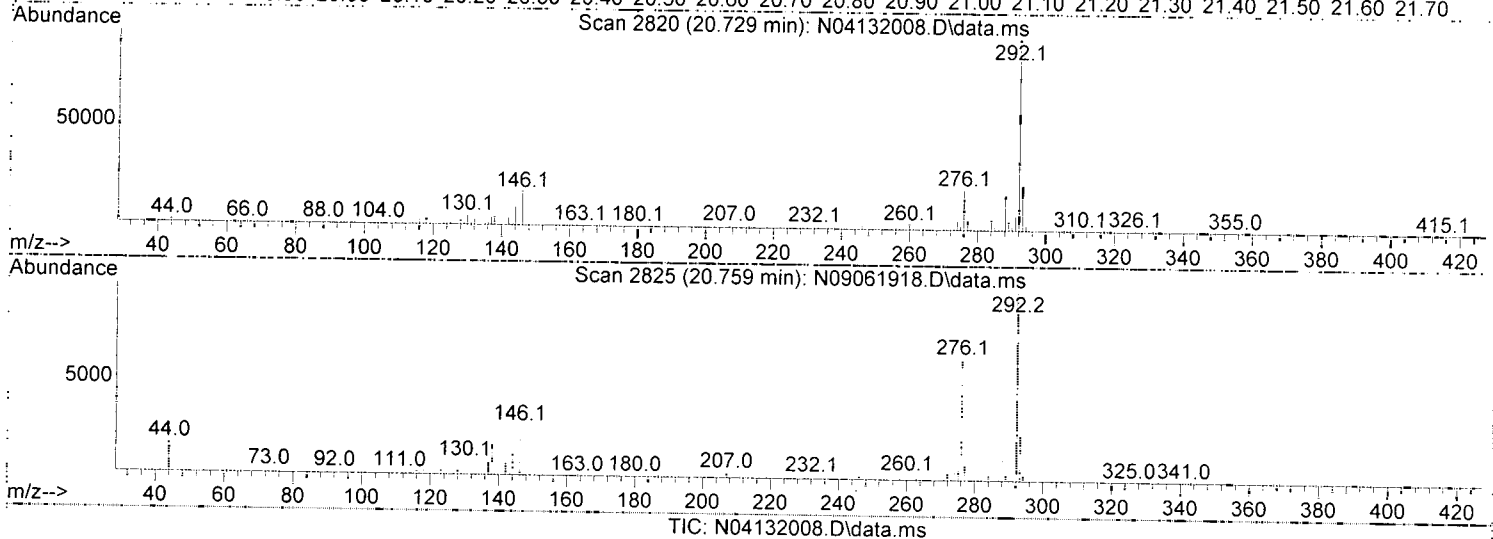
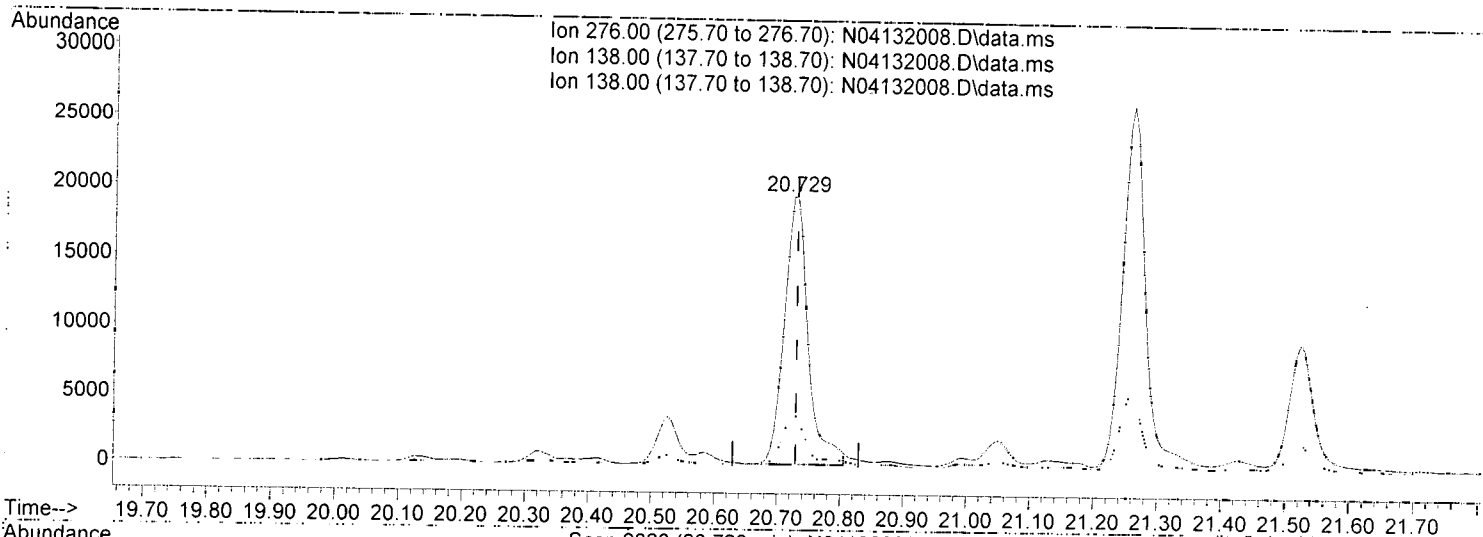
response 81688

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.68 |
| 253.00 | 21.90 | 22.02 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.729min (+ 0.000) 20.19 ng/ml

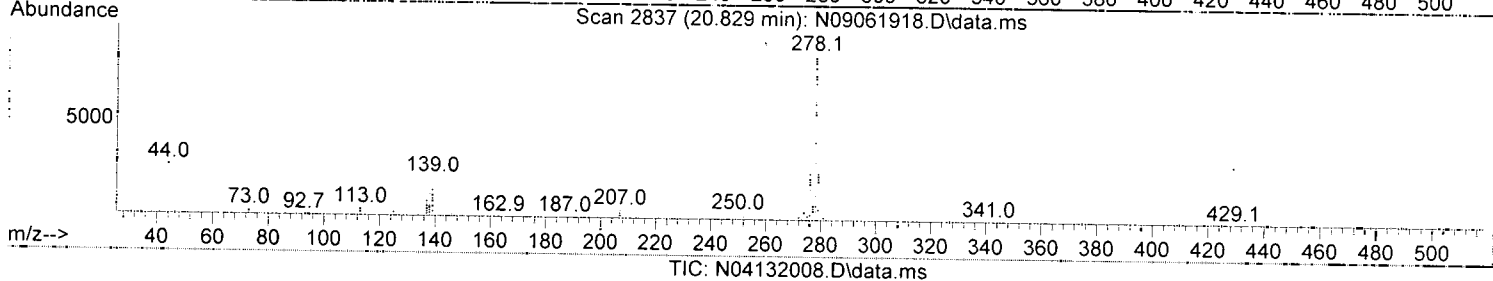
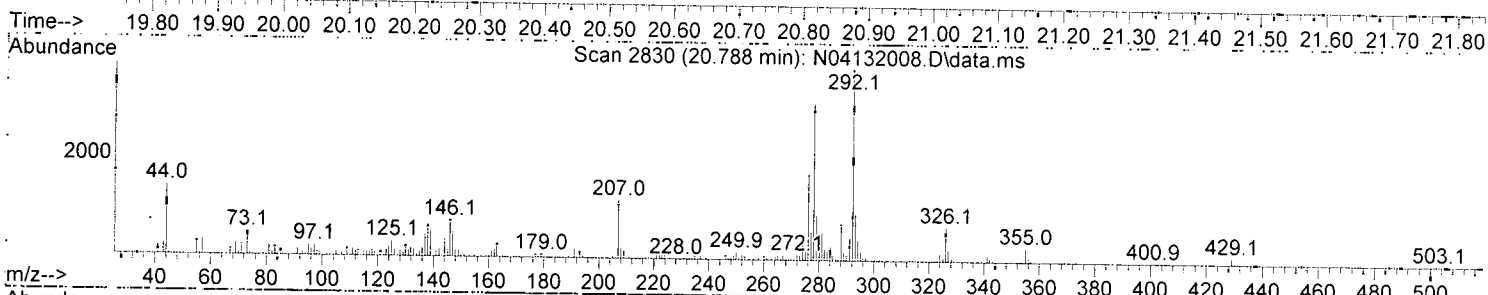
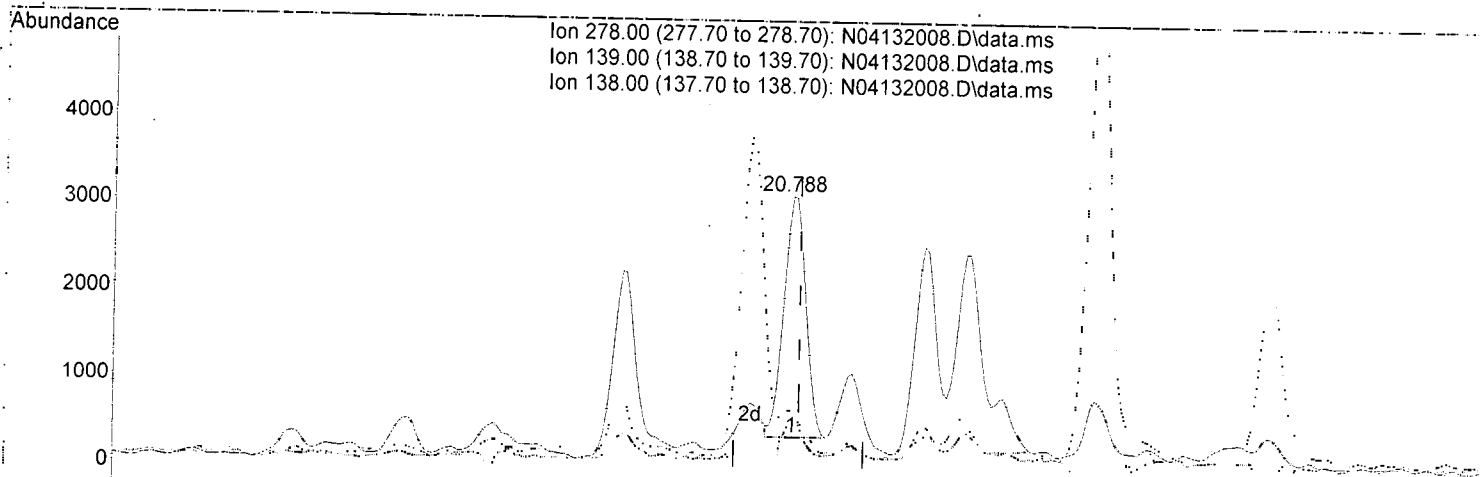
response 51294

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 18.85 |
| 138.00 | 31.60 | 18.85 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(37) Dibenz(a,h)anthracene (T)

20.788min (-0.012) 2.53 ng/ml

response 6481

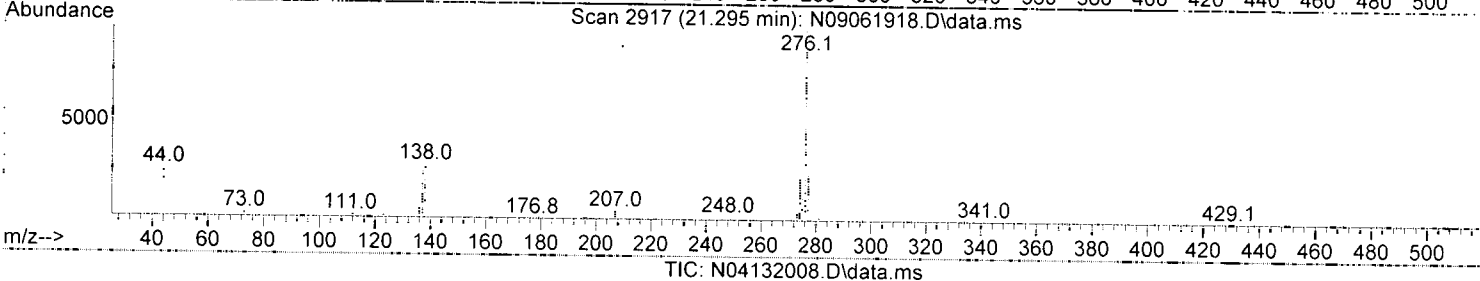
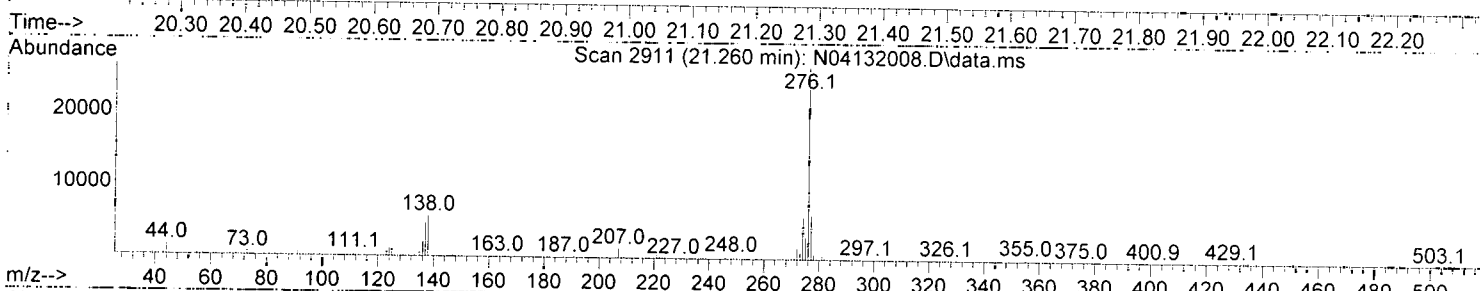
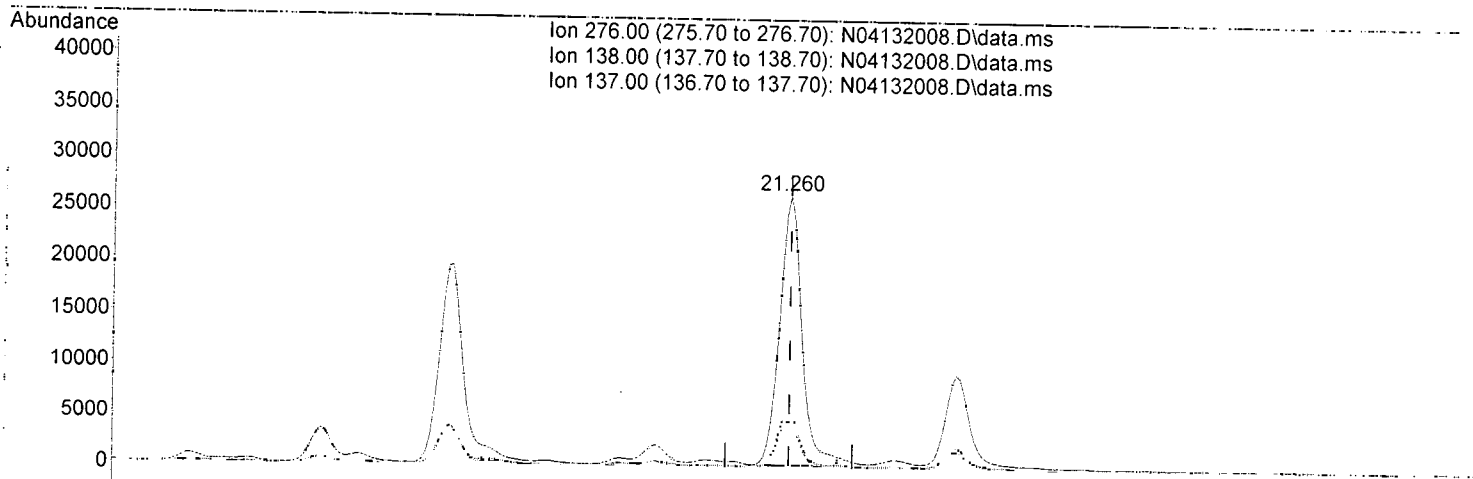
| Ion | Exp% | Act% |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 26.00 | 18.17 |
| 138.00 | 19.90 | 20.55 |
| 0.00 | 0.00 | 0.00 |

5

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.260min (+ 0.000) 23.56 ng/ml

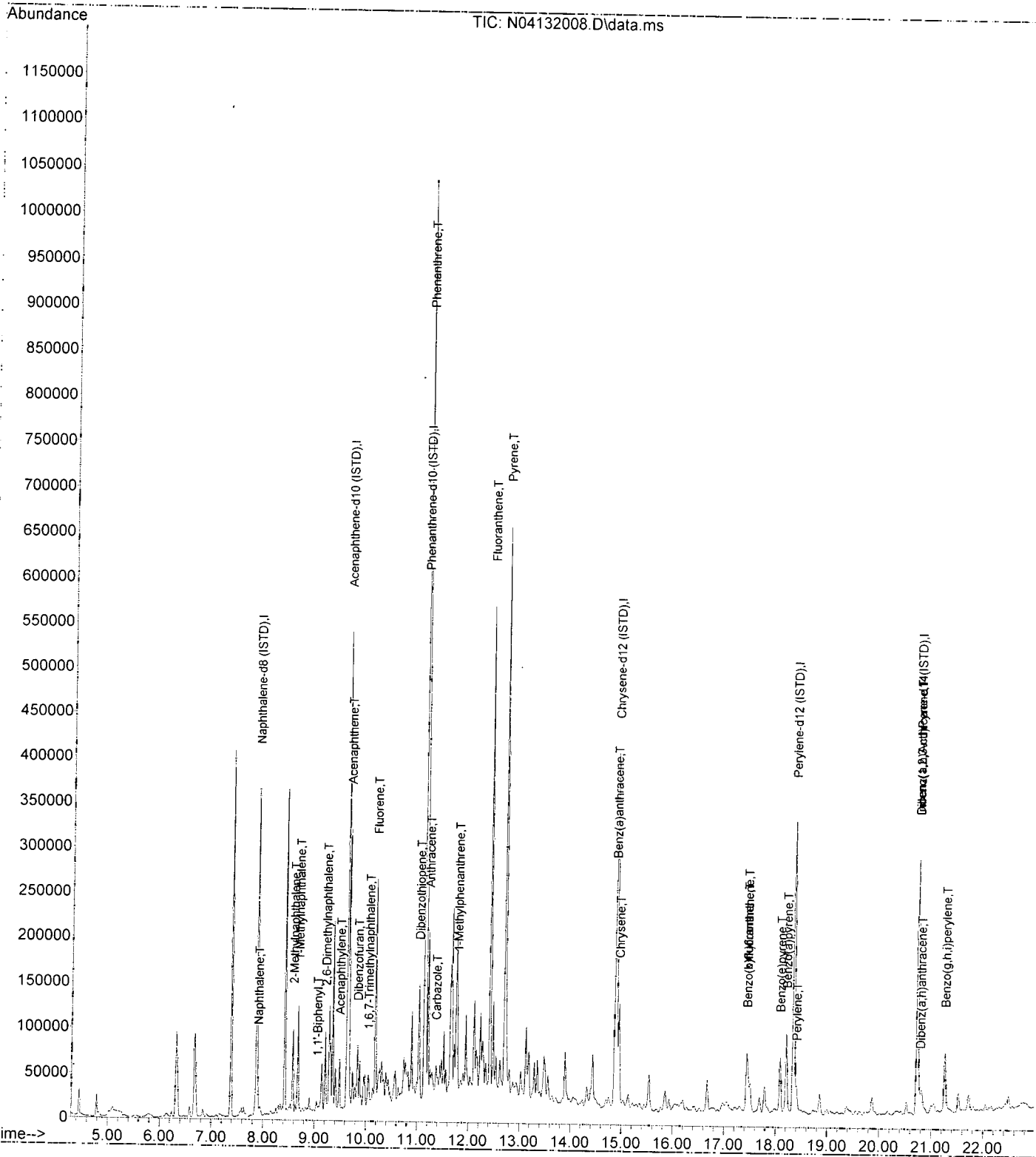
response 64205

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 21.09 |
| 137.00 | 28.60 | 17.14 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132008.D
 Acq On : 13 Apr 2020 11:52 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-05@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 13 13:24:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report

(Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

AMS
4/13/20

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

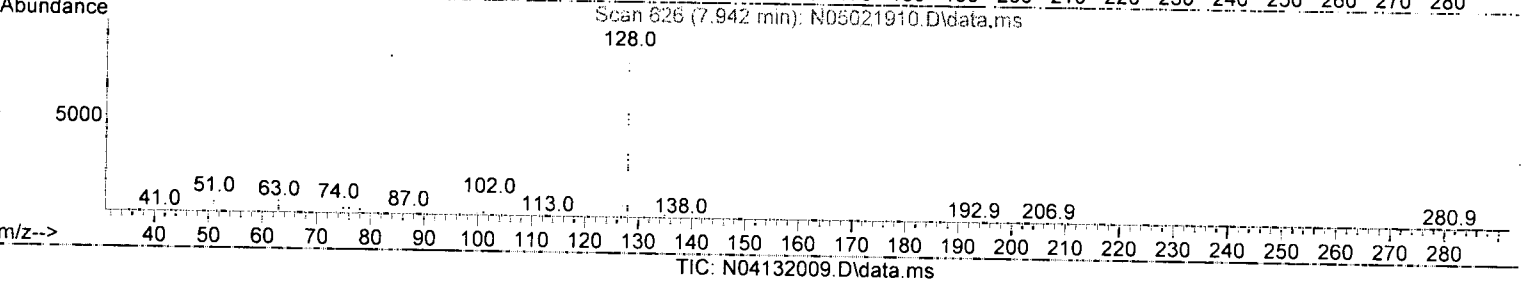
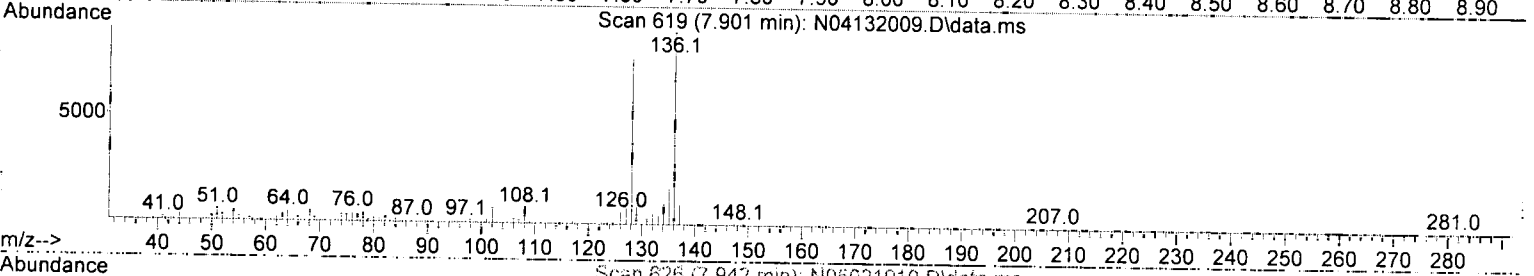
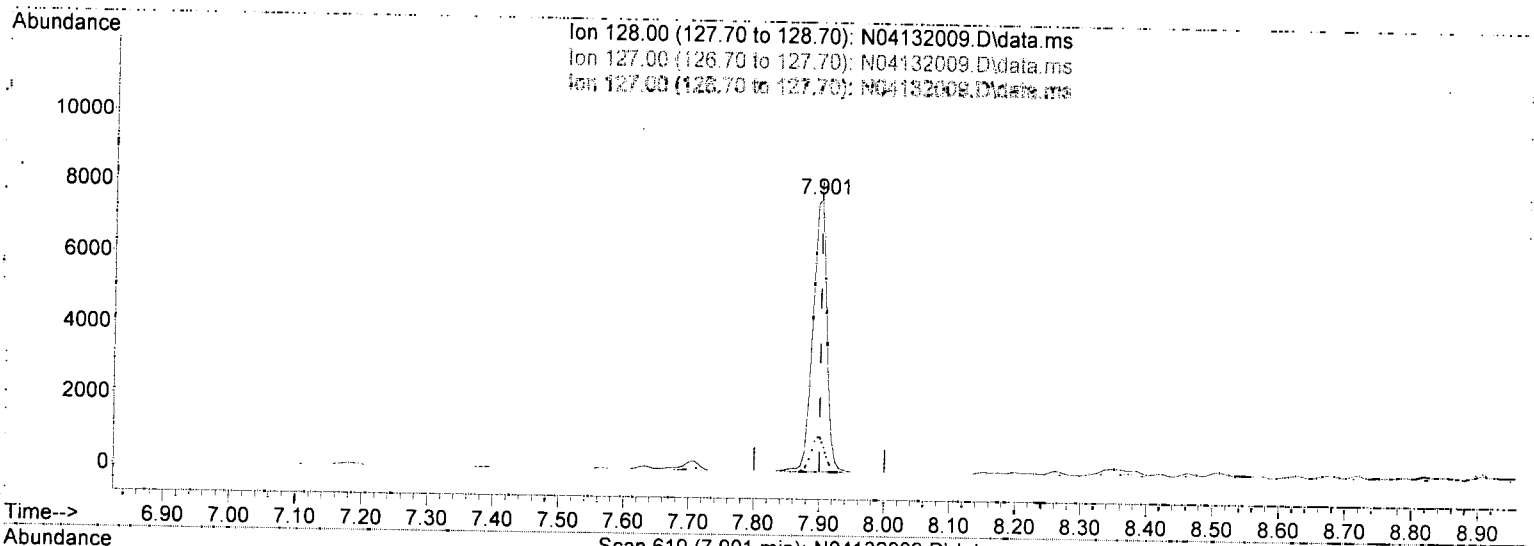
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 267295 | 100.00 | ng/ml | 0.00 |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 159465 | 100.00 | ng/ml | 0.00 |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 282524 | 100.00 | ng/ml | 0.00 |
| 23) Chrysene-d12 (ISTD) | 14.889 | 240 | 260417 | 100.00 | ng/ml | 0.00 |
| 28) Perylene-d12 (ISTD) | 18.345 | 264 | 269499 | 100.00 | ng/ml | 0.00 |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 214252 | 100.00 | ng/ml | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 230 | 0.28 | ng/ml | 0.00 |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 448 | 0.18 | ng/ml | 0.00 |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 497 | 0.20 | ng/ml | 0.00 |
| Target Compounds | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | Qvalue |
| 4) Naphthalene | 7.901 | 128 | 11524 | 3.96 | ng/ml | 100 |
| 5) 2-Methylnaphthalene | 8.582 | 142 | 3947 | 2.02 | ng/ml | 95 |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 18533 | 9.55 | ng/ml | 97 |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1809 | 0.73 | ng/ml | 97 |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 8823 | 5.22 | ng/ml | 97 |
| 11) Acenaphthylene | 9.486 | 152 | 5538 | 1.86 | ng/ml | 91 |
| 12) Acenaphthene | 9.667 | 153 | 36584 | 16.77 | ng/ml | 99 |
| 13) Dibenzofuran | 9.836 | 168 | 4112 | 1.56 | ng/ml | 95 |
| 14) 1,6,7-Trimethylnaphtha... | 10.045 | 170 | 4472 | 2.62 | ng/ml | 98 |
| 15) Fluorene | 10.185 | 166 | 20467 | 9.76 | ng/ml | 99 |
| 17) Dibenzothiopene | 11.031 | 184 | 21604 | 7.57 | ng/ml | 96 |
| 18) Phenanthrene | 11.159 | 178 | 178623 | 54.93 | ng/ml | 99 |
| 19) Anthracene | 11.211 | 178 | 27855 | 10.46 | ng/ml | 98 |
| 20) Carbazole | 11.369 | 167 | 3609 | 1.57 | ng/ml | 94 |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 8104 | 3.70 | ng/ml | 95 |
| 22) Fluoranthene | 12.424 | 202 | 109035 | 34.02 | ng/ml | 95 |
| 24) Pyrene | 12.715 | 202 | 136357 | 40.37 | ng/ml | 99 |
| 26) Benz(a)anthracene | 14.872 | 228 | 24846 | 9.20 | ng/ml | 71 |
| 27) Chrysene | 14.947 | 228 | 32305 | 11.63 | ng/ml | 99 |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 26756 | 9.60 | ng/ml | 92 |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 33905 | 12.21 | ng/ml | 91 |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 38260 | 13.06 | ng/ml | 91 |
| 32) Benzo(e)pyrene | 18.089 | 252 | 18664 | 6.41 | ng/ml | 96 |
| 33) Benzo(a)pyrene | 18.206 | 252 | 26646 | 12.40 | ng/ml | 95 |
| 34) Perylene | 18.404 | 252 | 7824 | 2.61 | ng/ml | 99 |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 18497 | 7.95 | ng/ml | 79 |
| 37) Dibenz(a,h)anthracene | 20.788 | 278 | 2149 | 0.92 | ng/ml | 88 |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 22633 | 9.07 | ng/ml | 79 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.901min (-0.000) 3.96 ng/ml

response 11524

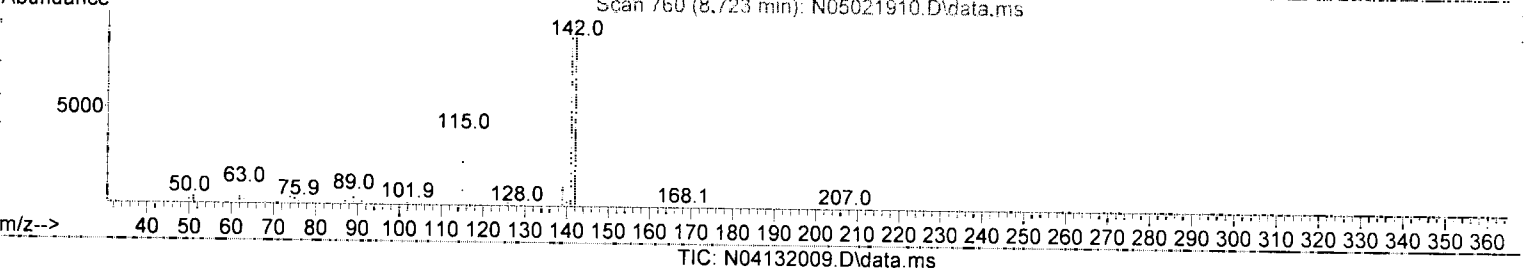
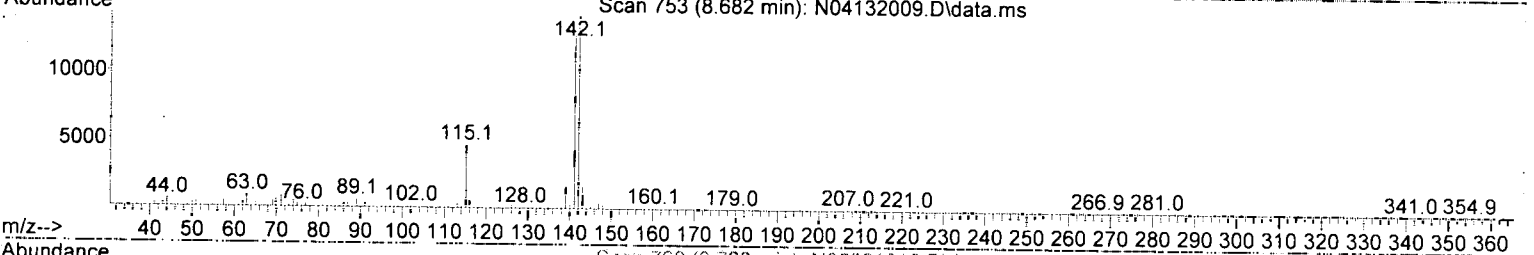
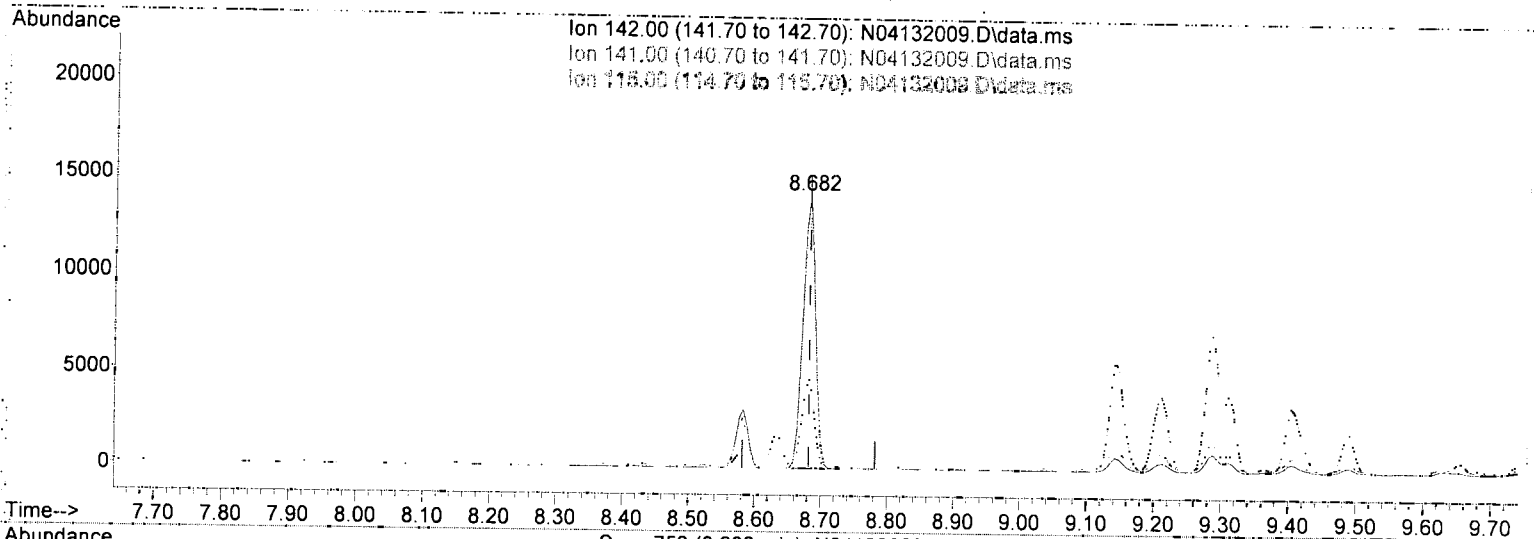
| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 12.79 |
| 127.00 | 12.60 | 12.79 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132009.D\data.ms

(6) 1-Methylnaphthalene (T)

8.682min (-0.000) 9.55 ng/ml

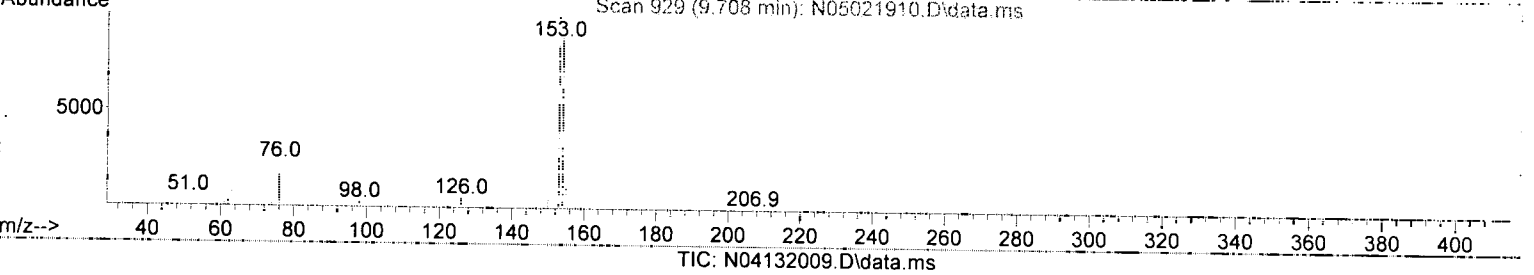
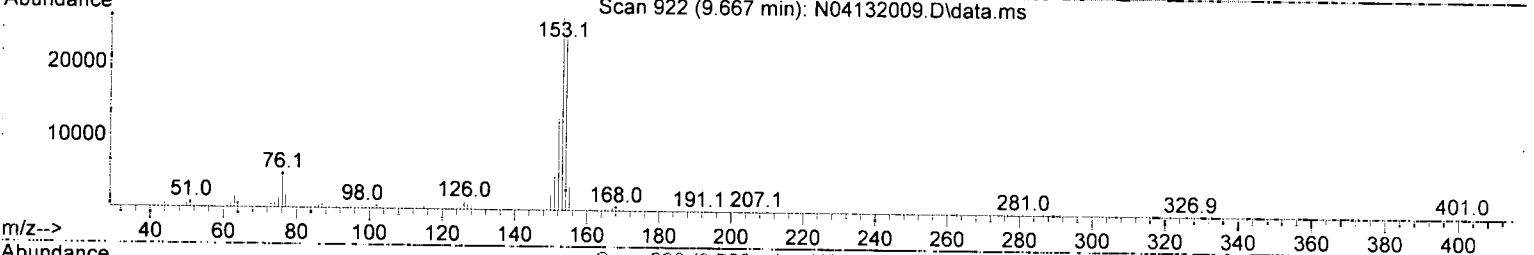
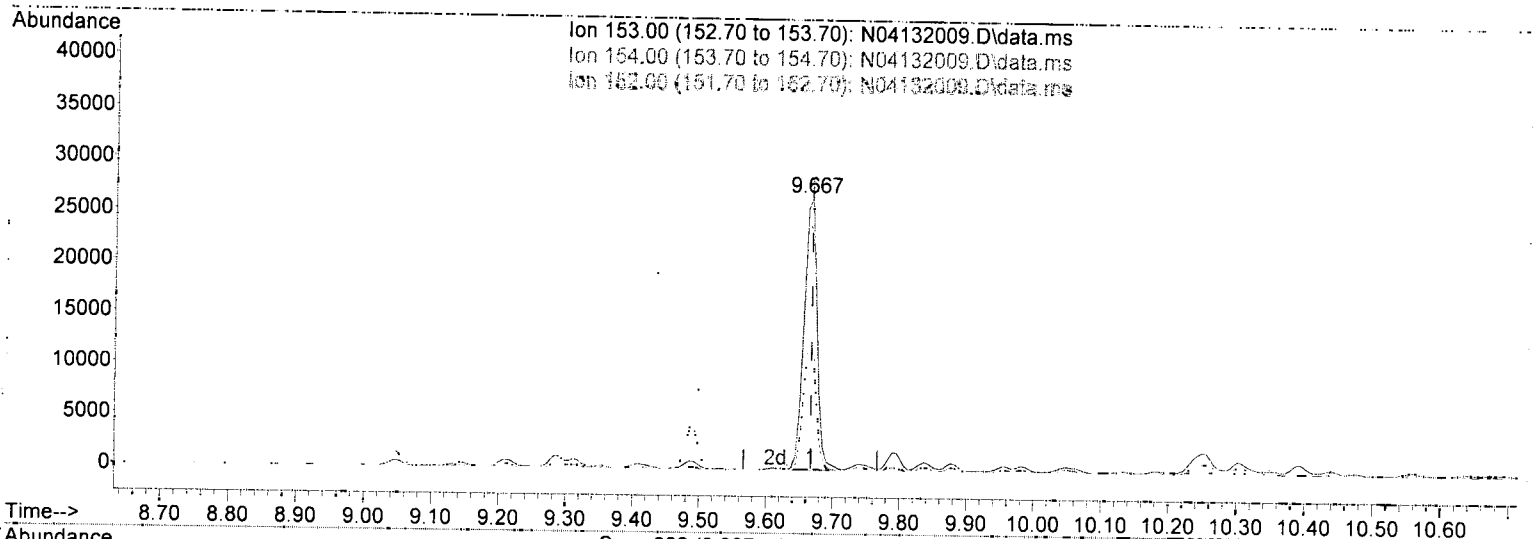
response 18533

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 91.91 |
| 115.00 | 37.80 | 33.04 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132009.D\data.ms

(12) Acenaphthene (T)

9.667min (-0.000) 16.77 ng/ml

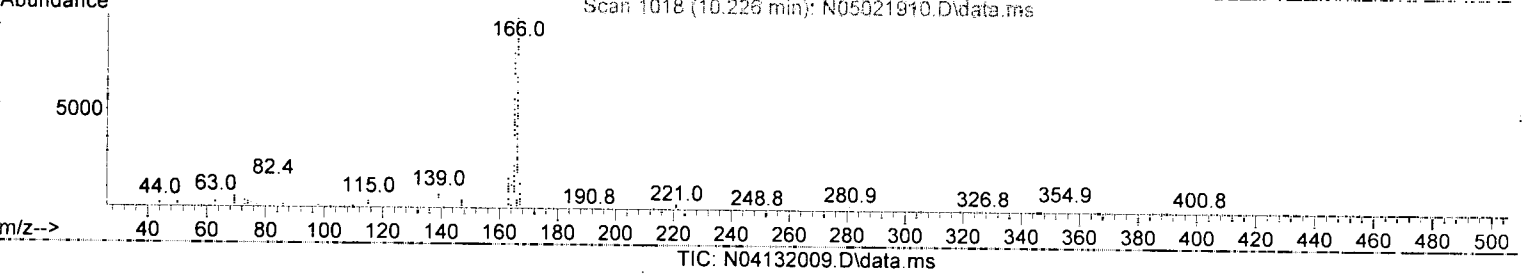
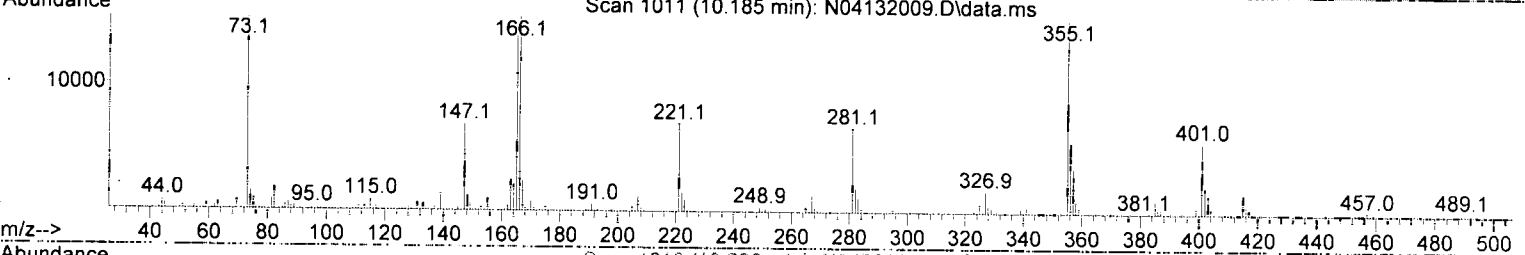
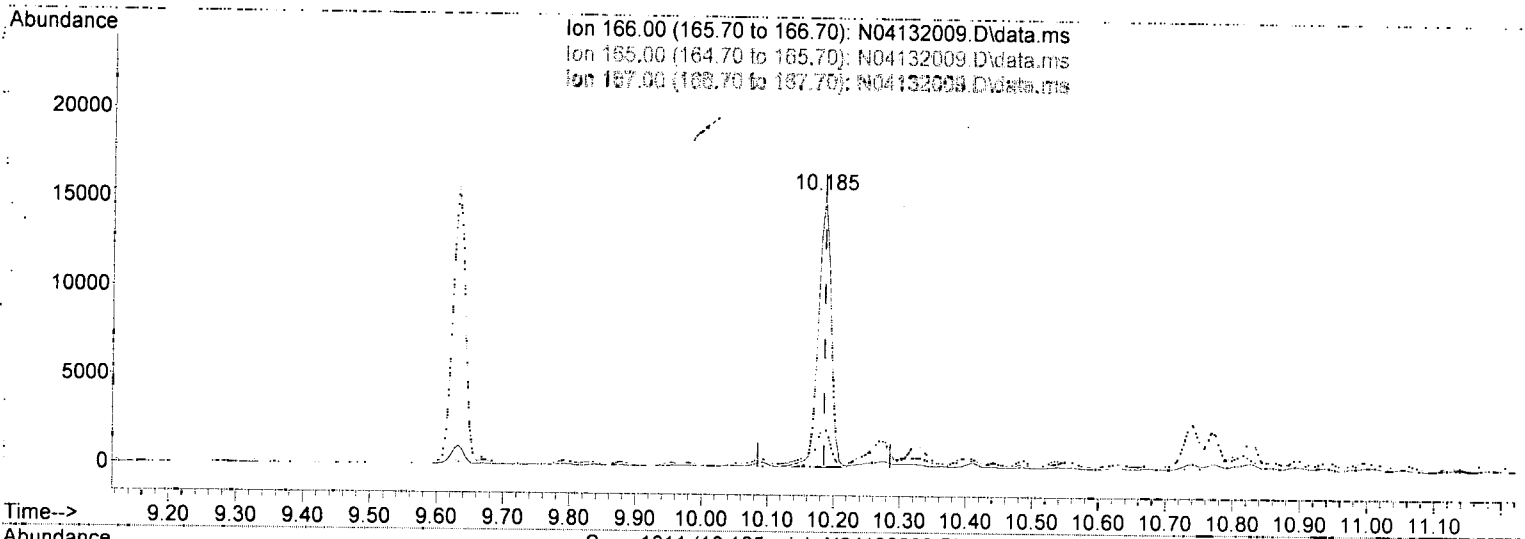
response 36584

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.21 |
| 152.00 | 46.80 | 47.44 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.185min (-0.000) 9.76 ng/ml

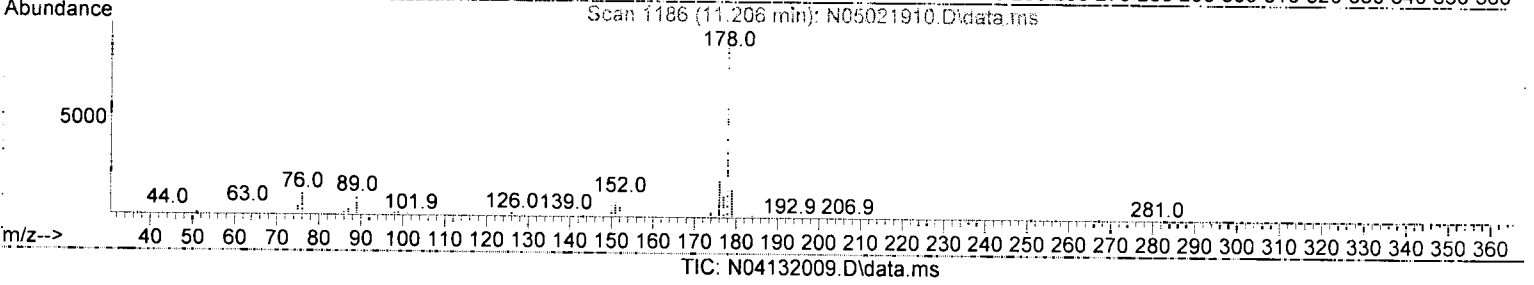
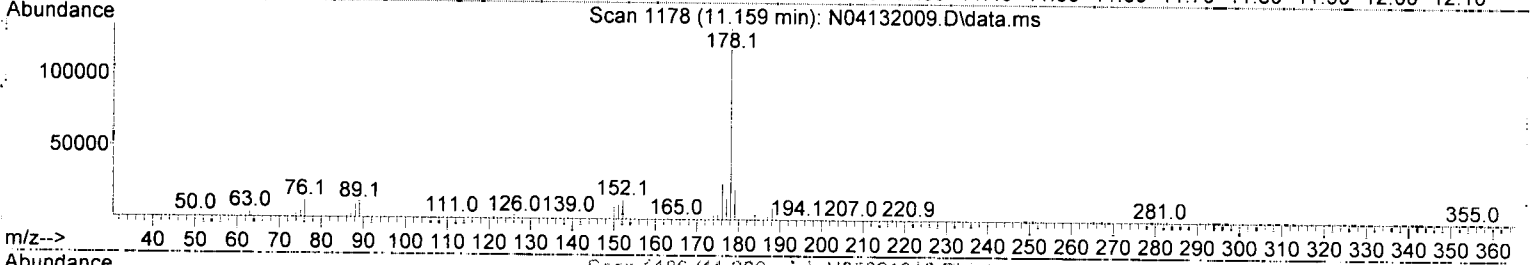
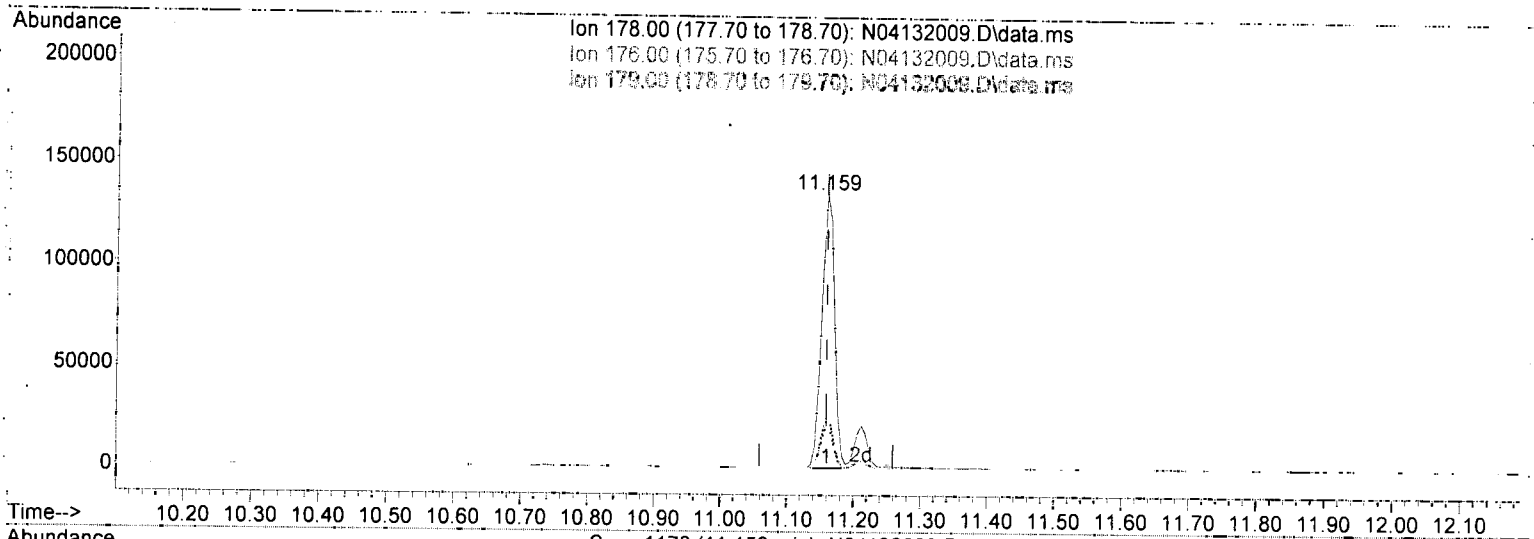
response 20467

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 95.99 |
| 167.00 | 13.60 | 15.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.159min (-0.000) 54.93 ng/ml

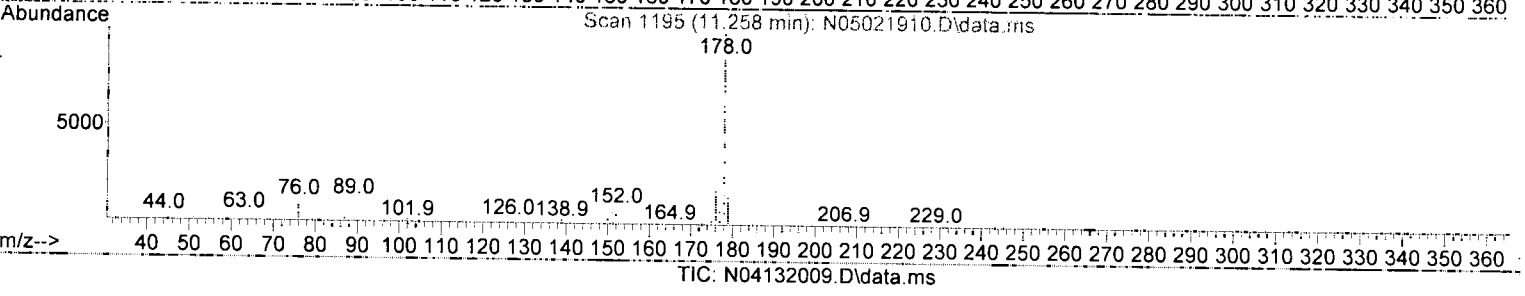
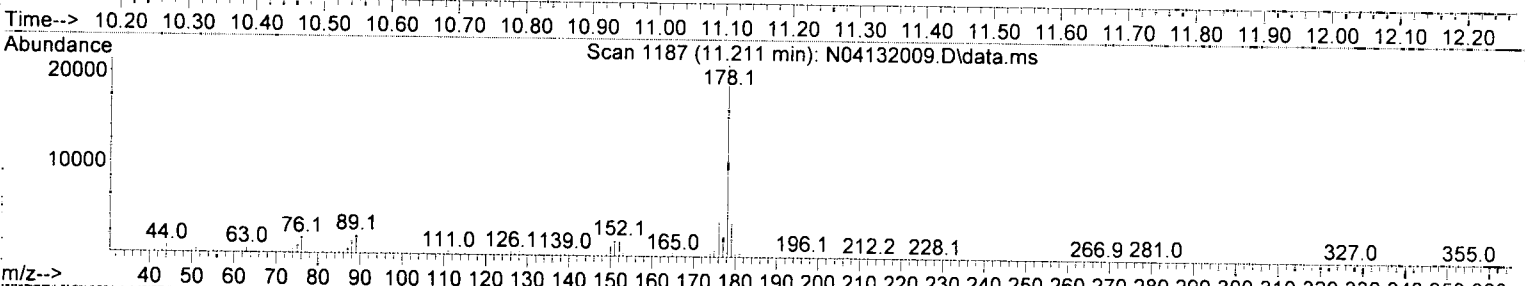
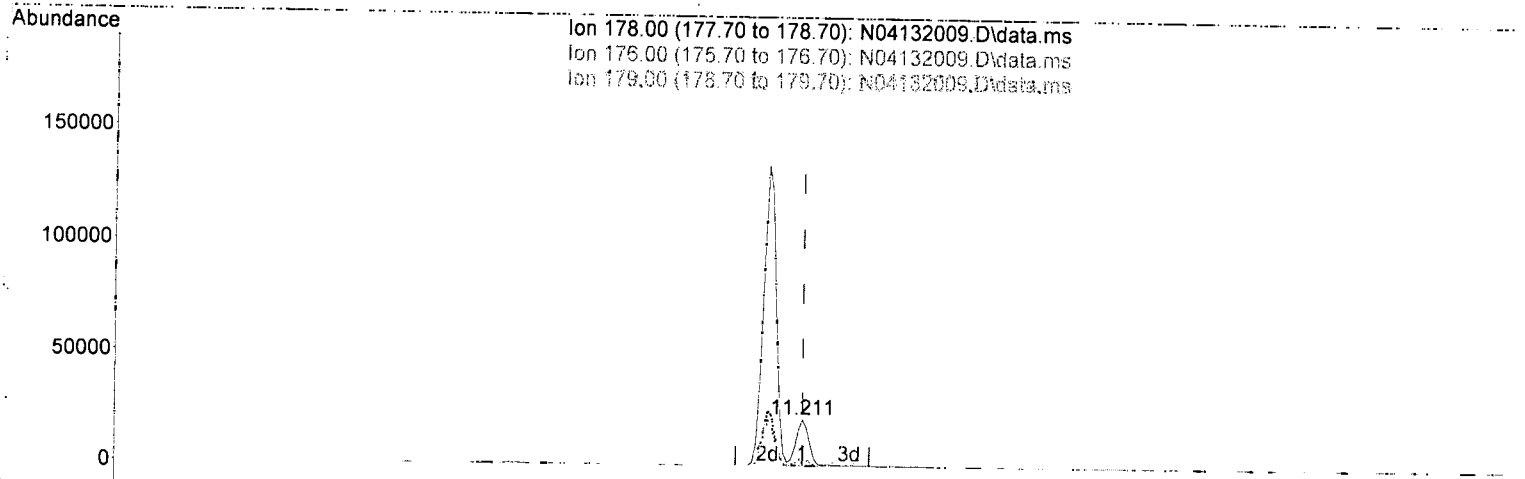
response 178623

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.60 |
| 179.00 | 15.10 | 15.61 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (-0.000) 10.46 ng/ml

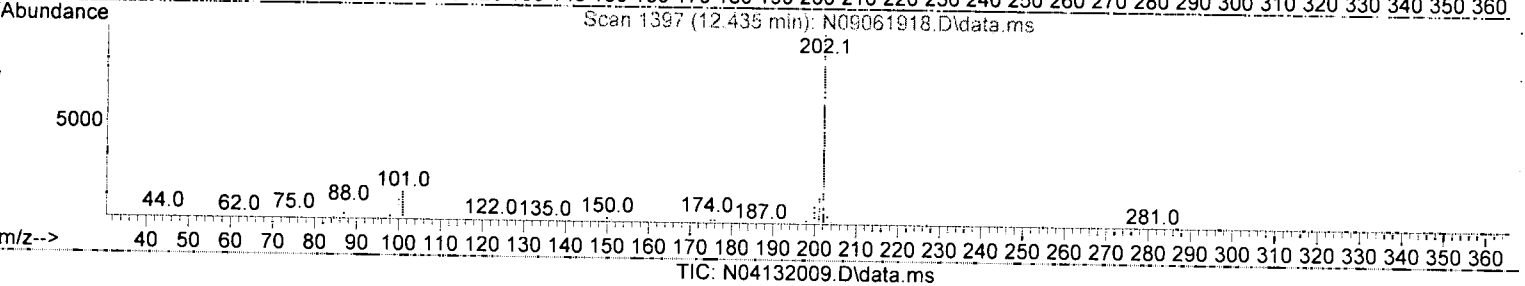
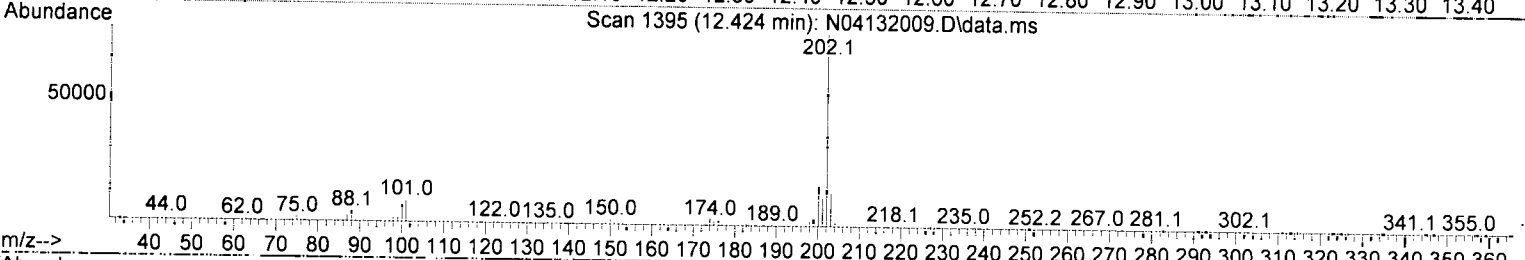
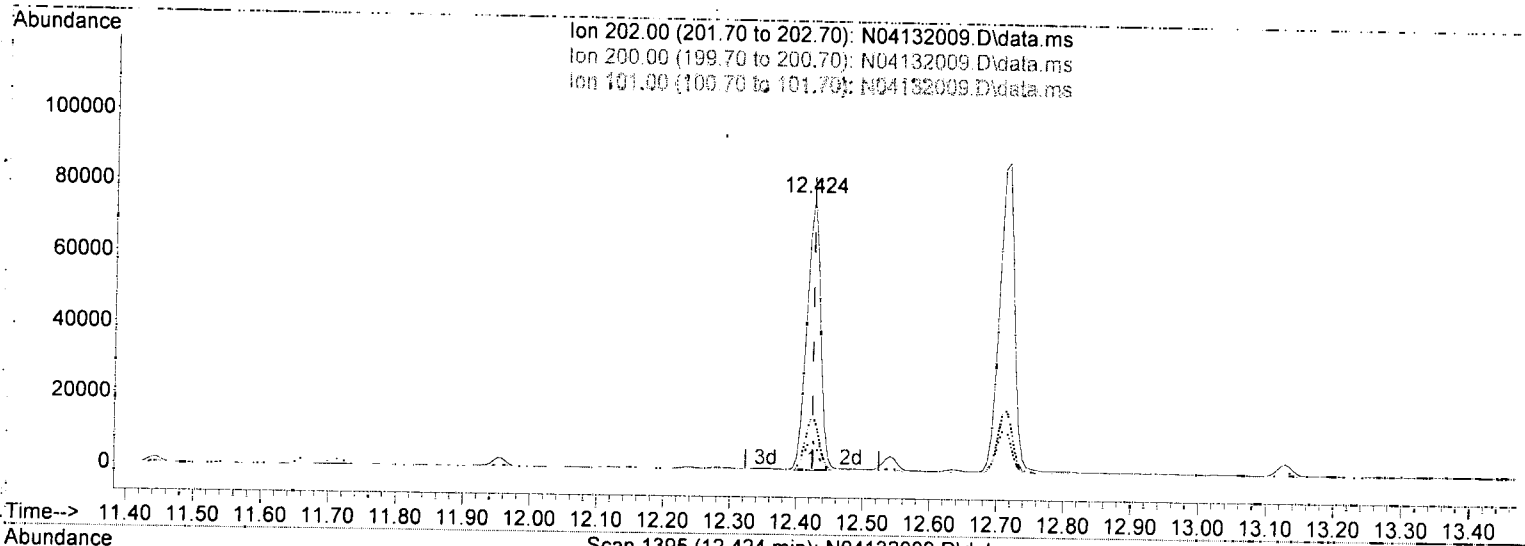
response 27855

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.53 |
| 179.00 | 15.30 | 16.73 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.424min (-0.000) 34.02 ng/ml

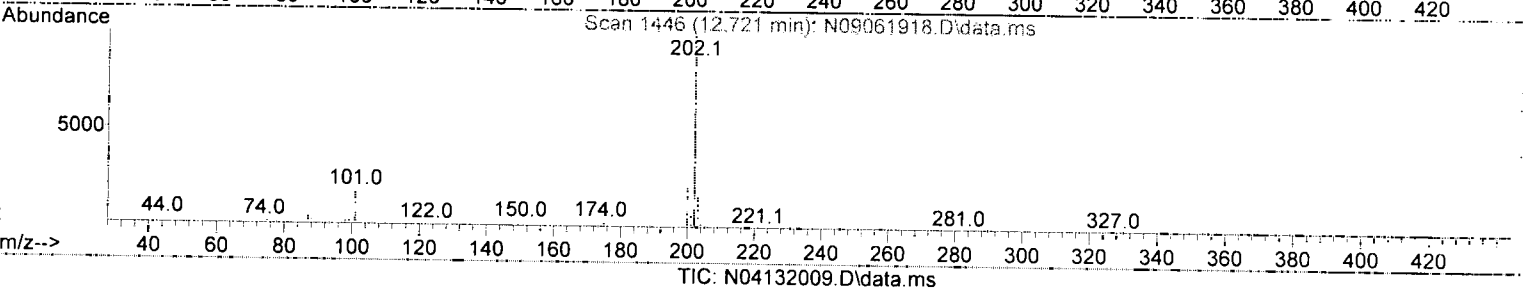
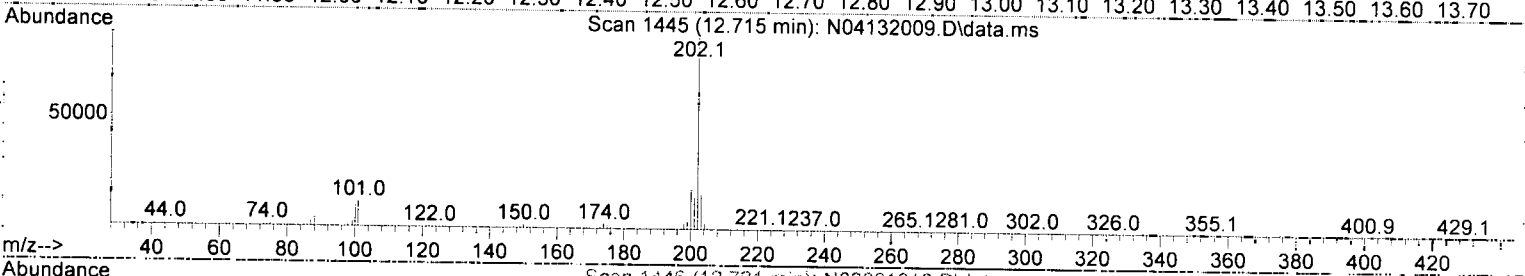
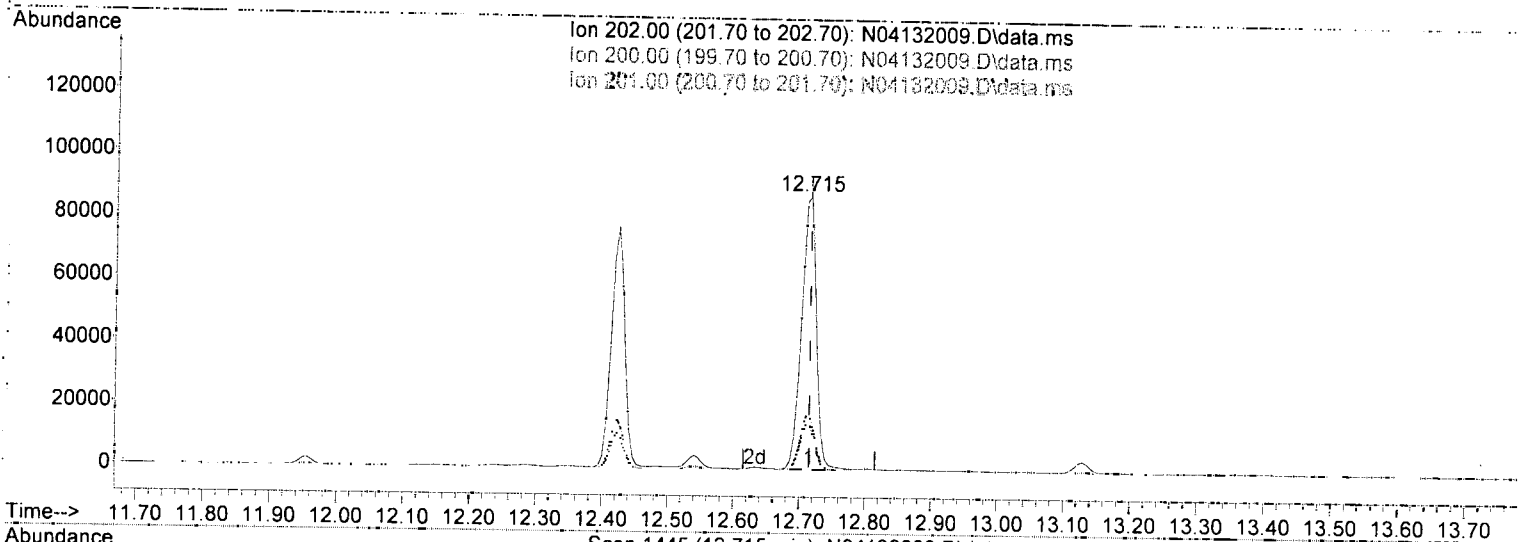
response 109035

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 20.11 |
| 101.00 | 15.30 | 11.05 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132009.D\data.ms

(24) Pyrene (T)

12.715min (-0.000) 40.37 ng/ml

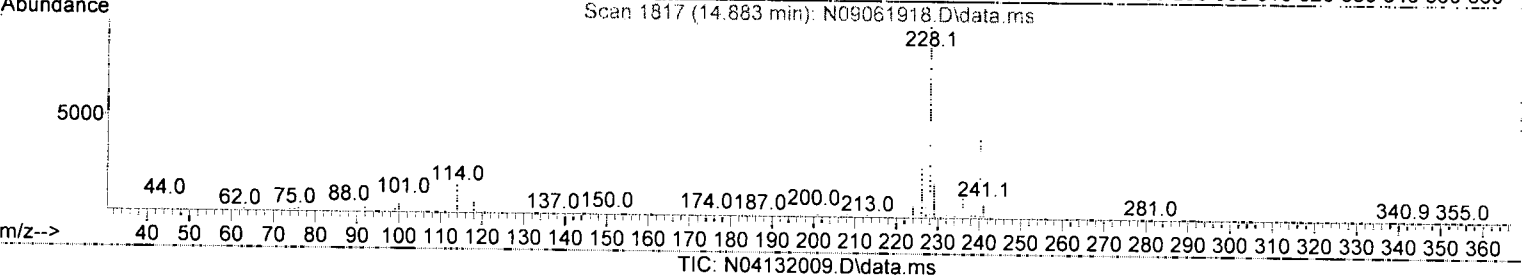
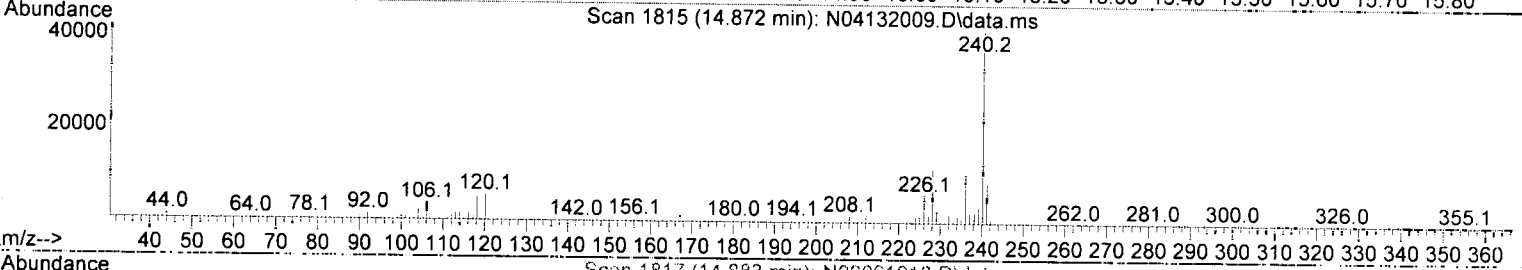
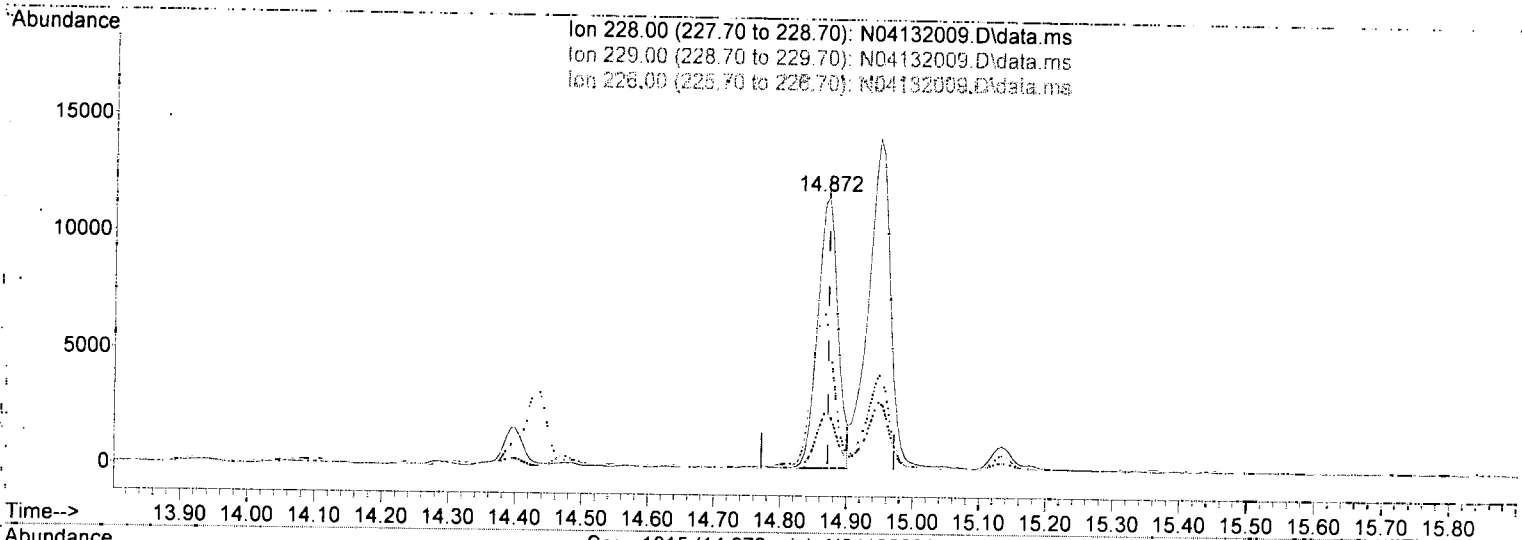
response 136357

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.10 |
| 201.00 | 16.80 | 16.85 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.872min (-0.000) 9.20 ng/ml

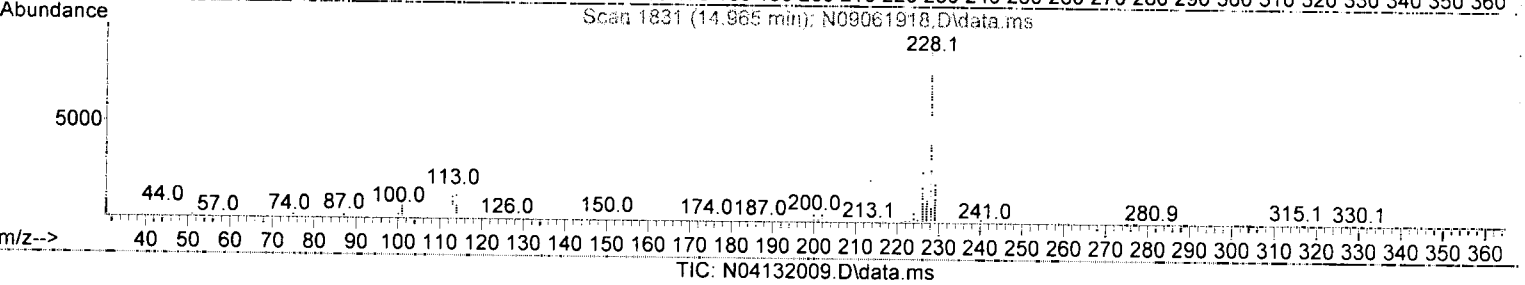
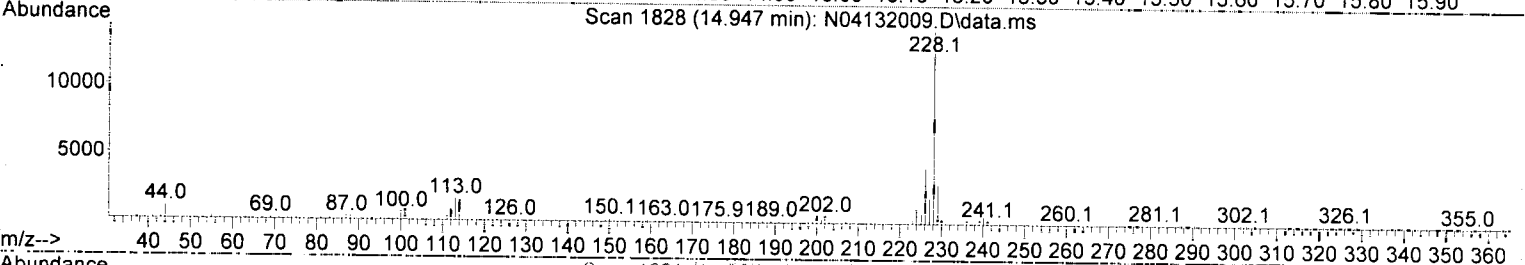
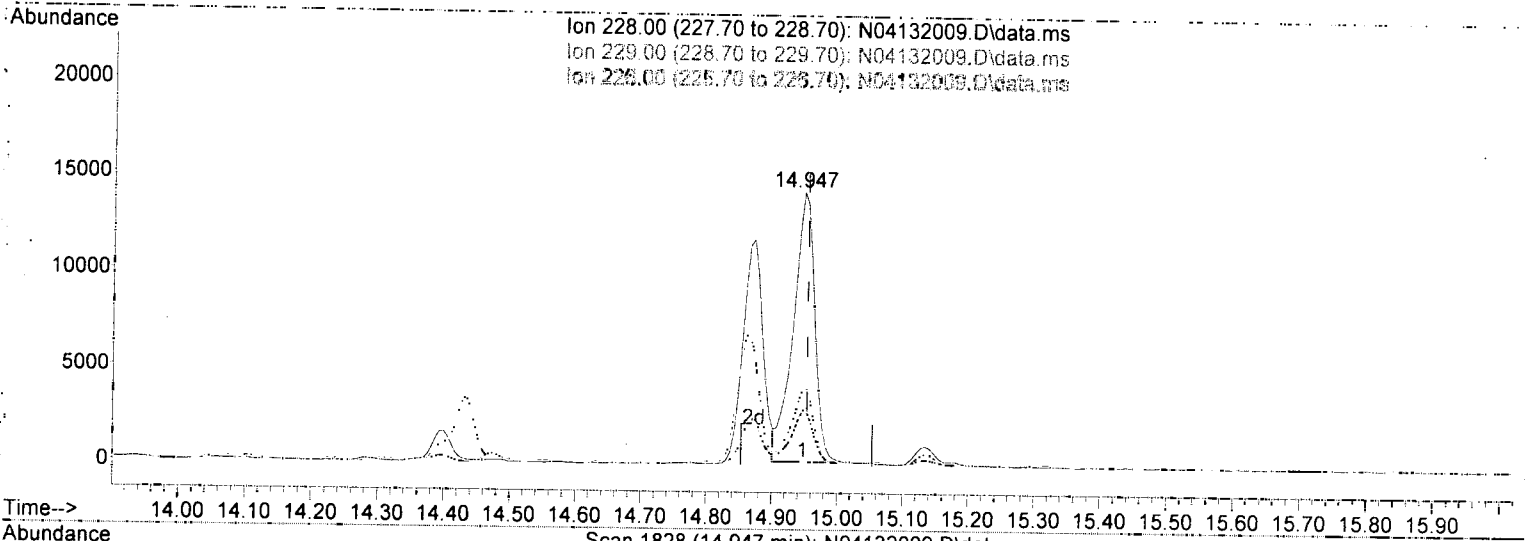
response 24846

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.85 |
| 226.00 | 26.20 | 50.88 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(27) Chrysene (T)

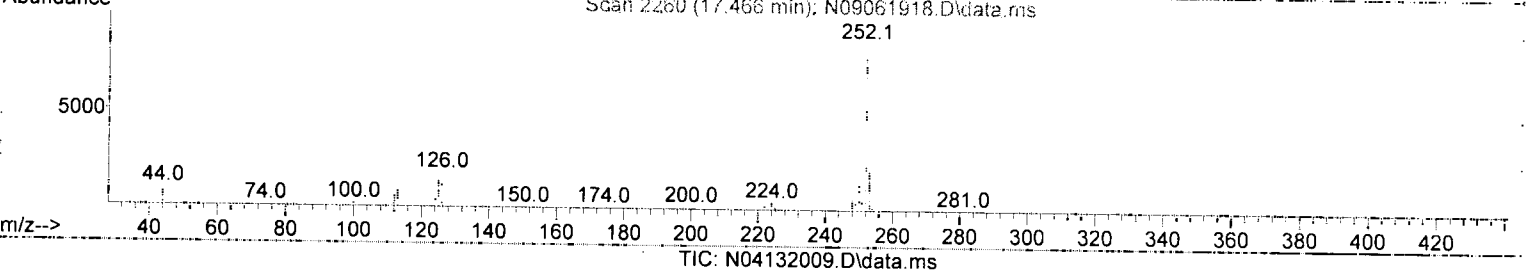
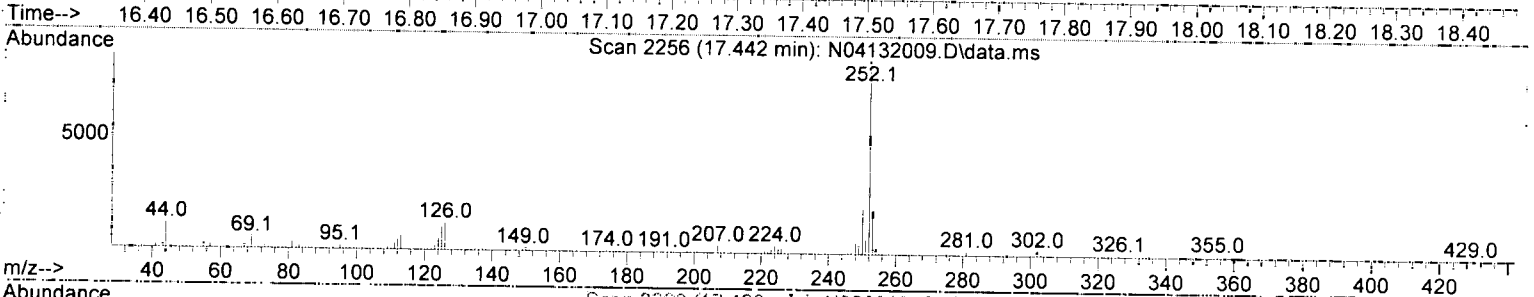
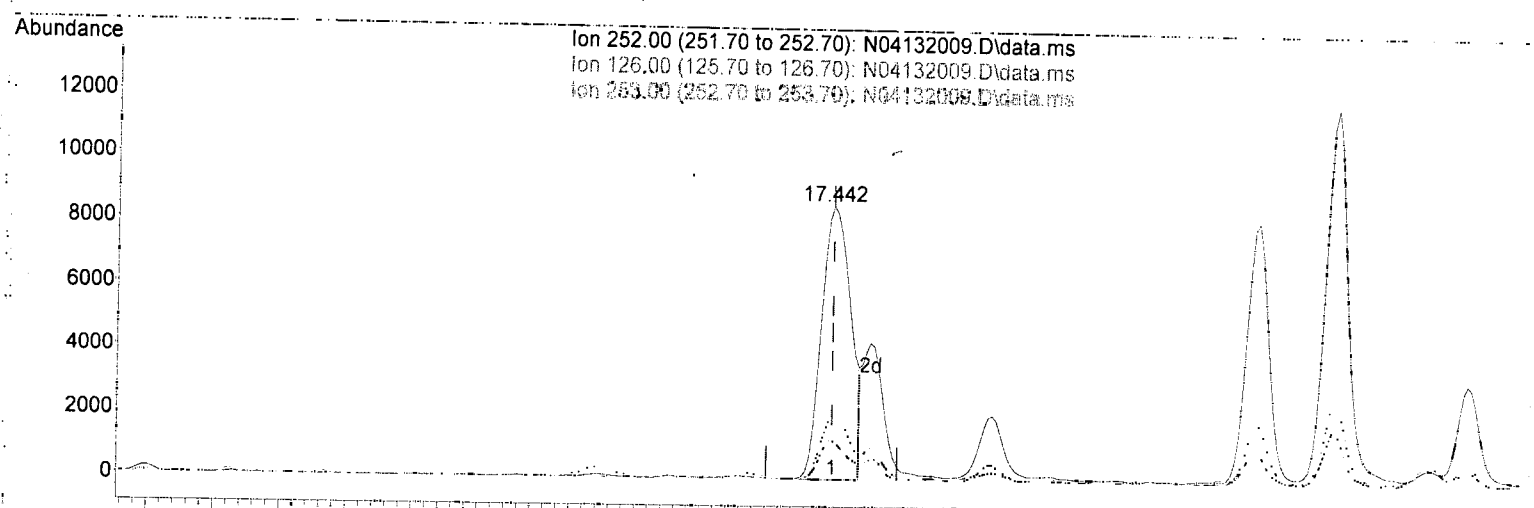
14.947min (-0.006) 11.63 ng/ml

| response | 32305 |
|----------|---------------|
| Ion | Exp% Act% |
| 228.00 | 100.00 100.00 |
| 229.00 | 19.60 20.48 |
| 226.00 | 28.60 28.80 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132009.D\data.ms

(29) Benzo(b)fluoranthene (T)

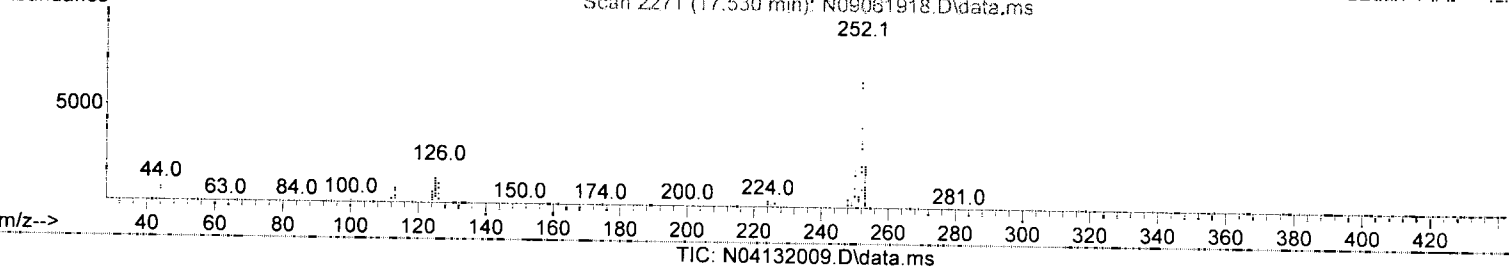
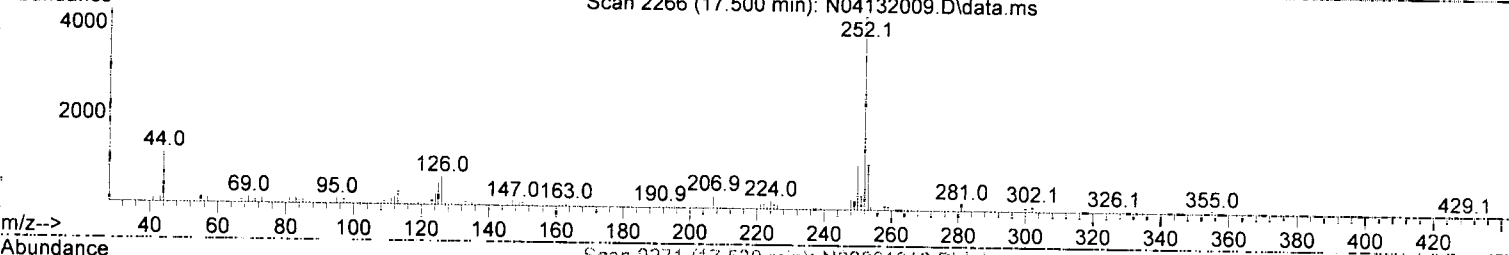
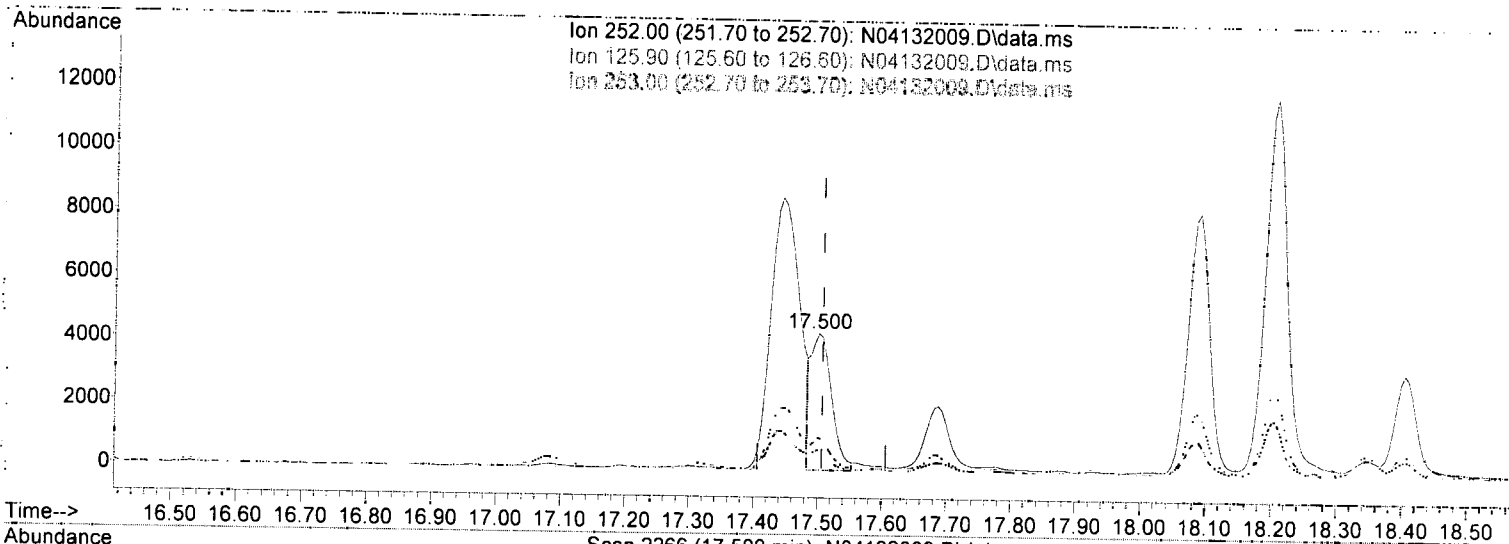
17.442min (-0.000) 9.60 ng/ml

| response | Ion | Exp% | Act% |
|----------|--------|--------|--------|
| 26756 | 252.00 | 100.00 | 100.00 |
| | 126.00 | 20.00 | 14.38 |
| | 253.00 | 21.10 | 22.65 |
| | 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.500min (-0.006) 3.44 ng/ml (m)

response 9558

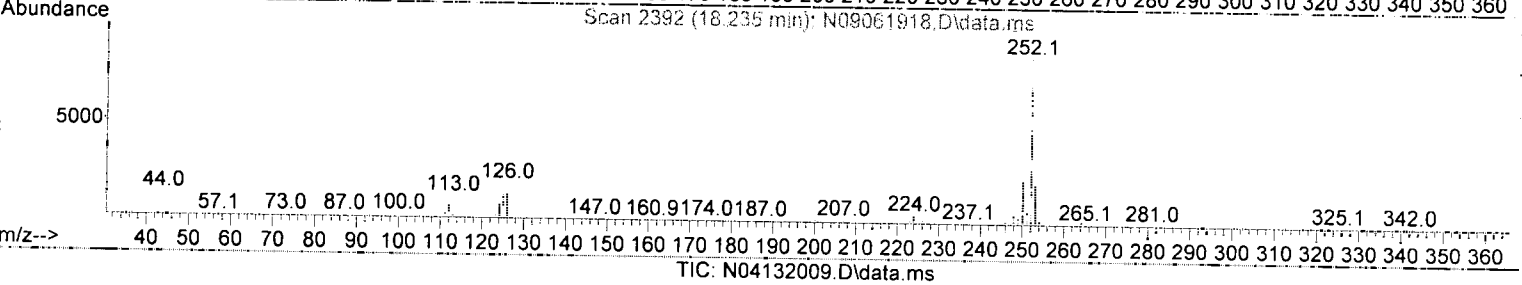
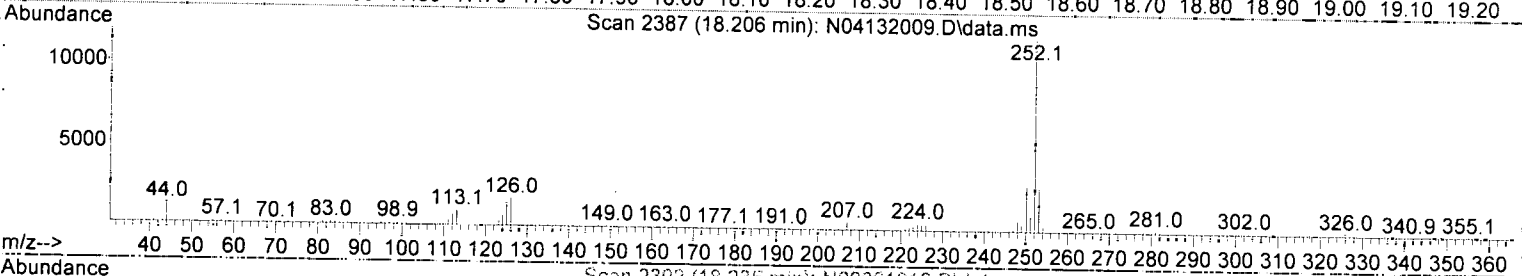
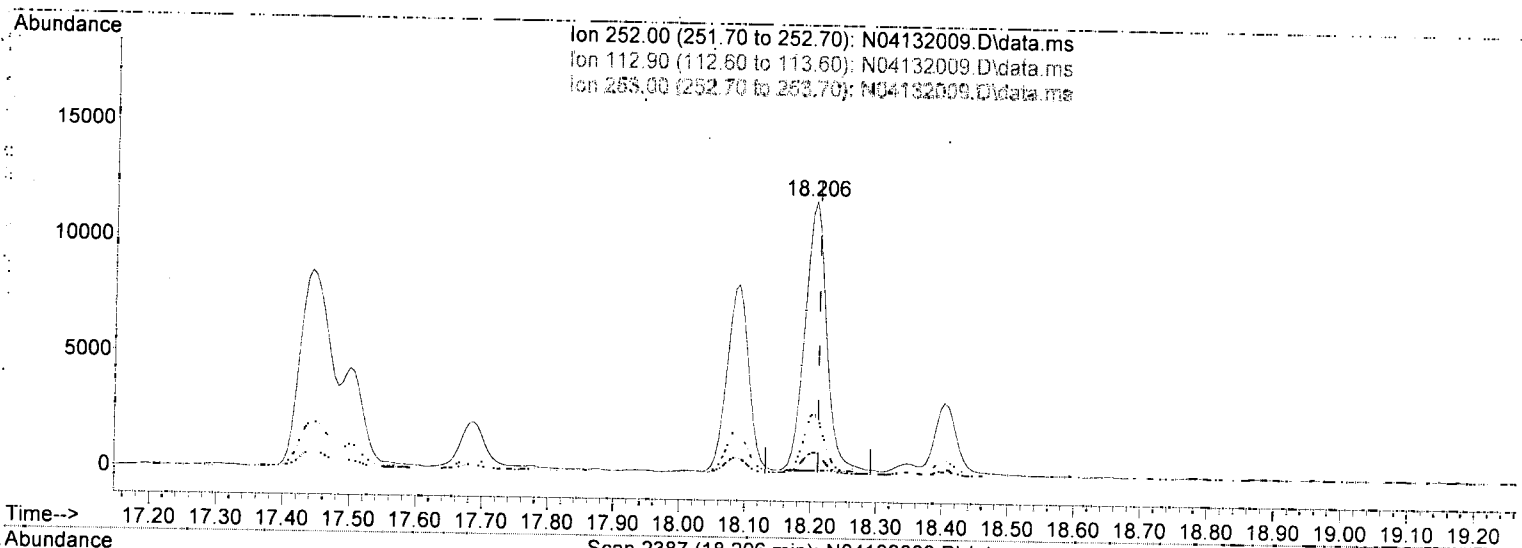
| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 15.05 |
| 253.00 | 21.50 | 23.48 |
| 0.00 | 0.00 | 0.00 |

AMS
4/13/20
J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.206min (-0.006) 12.40 ng/ml

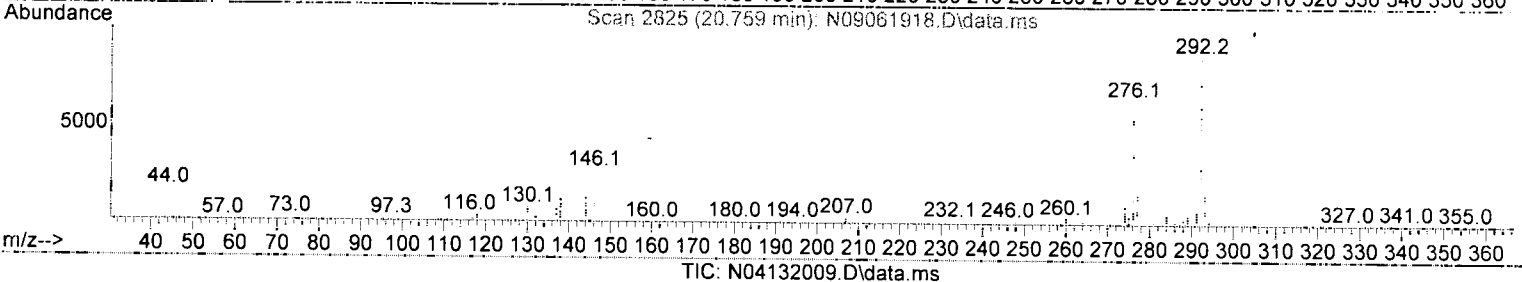
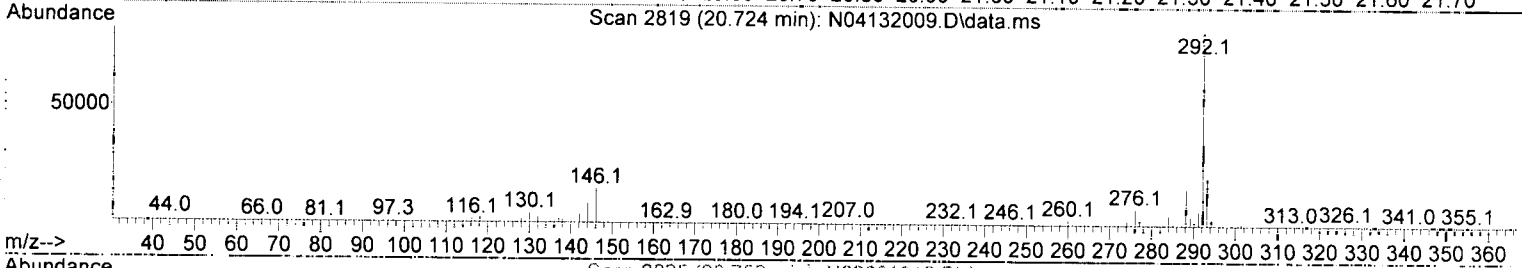
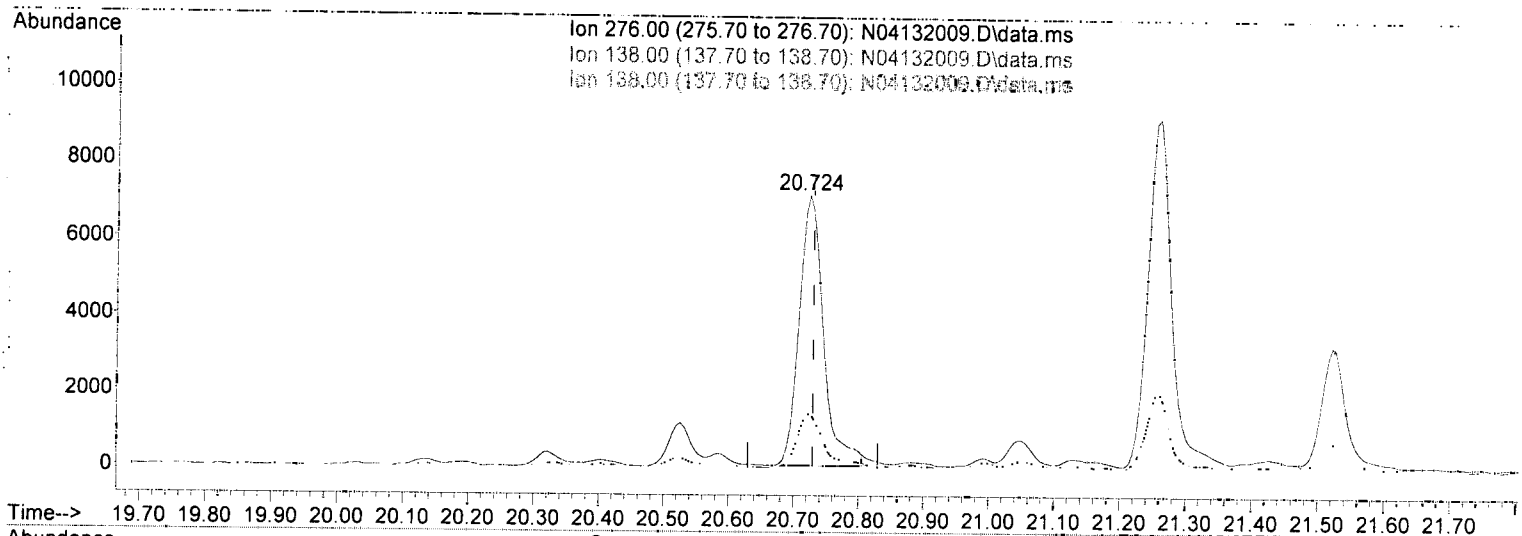
response 26646

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.00 |
| 253.00 | 21.90 | 22.59 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.724min (-0.006) 7.95 ng/ml

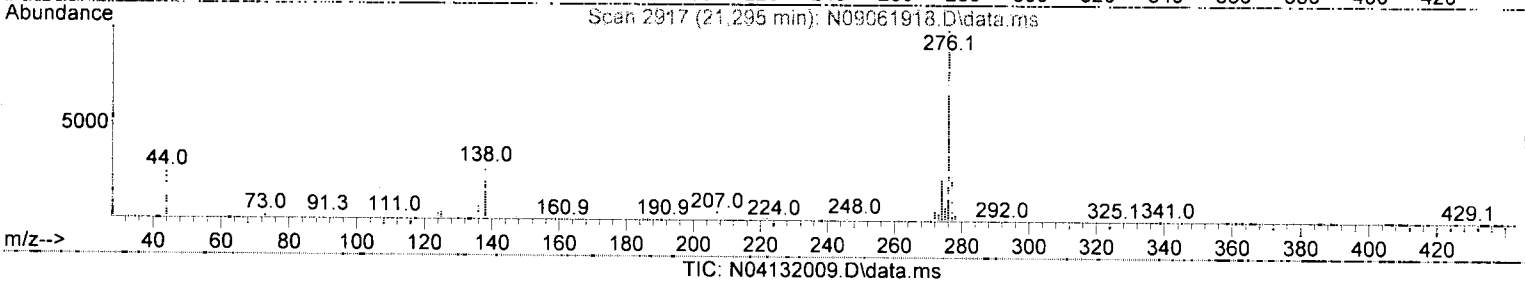
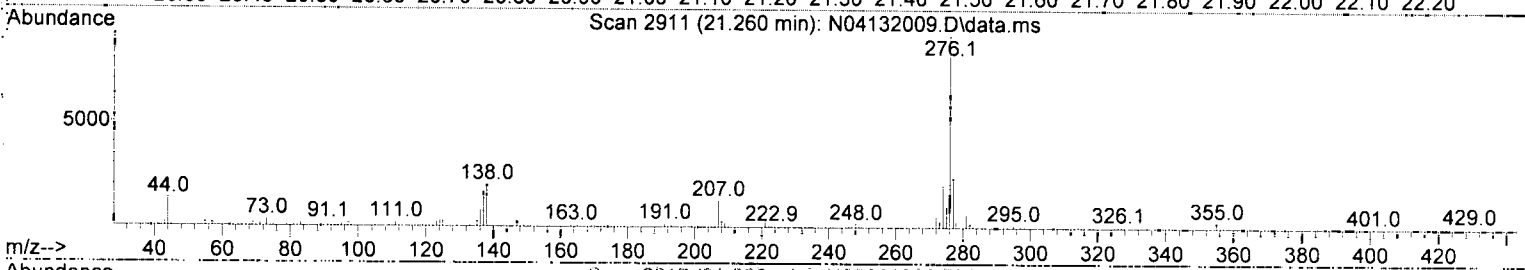
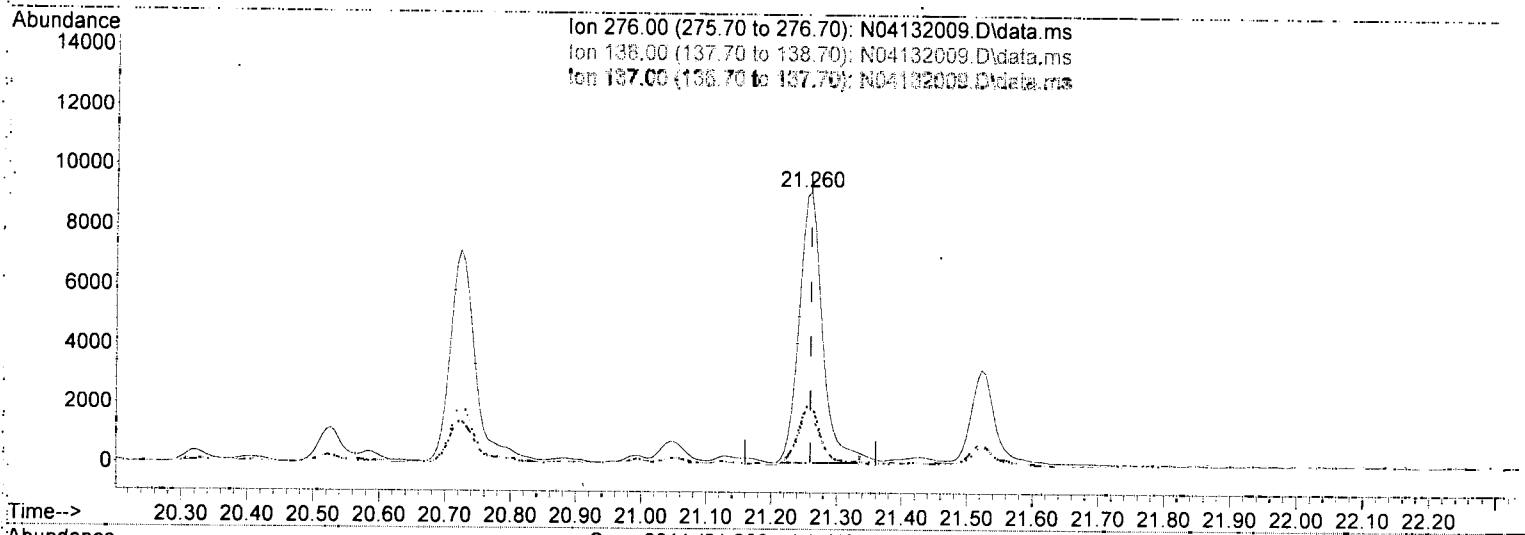
response 18497

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 19.96 |
| 138.00 | 31.60 | 19.96 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.260min (-0.000) 9.07 ng/ml

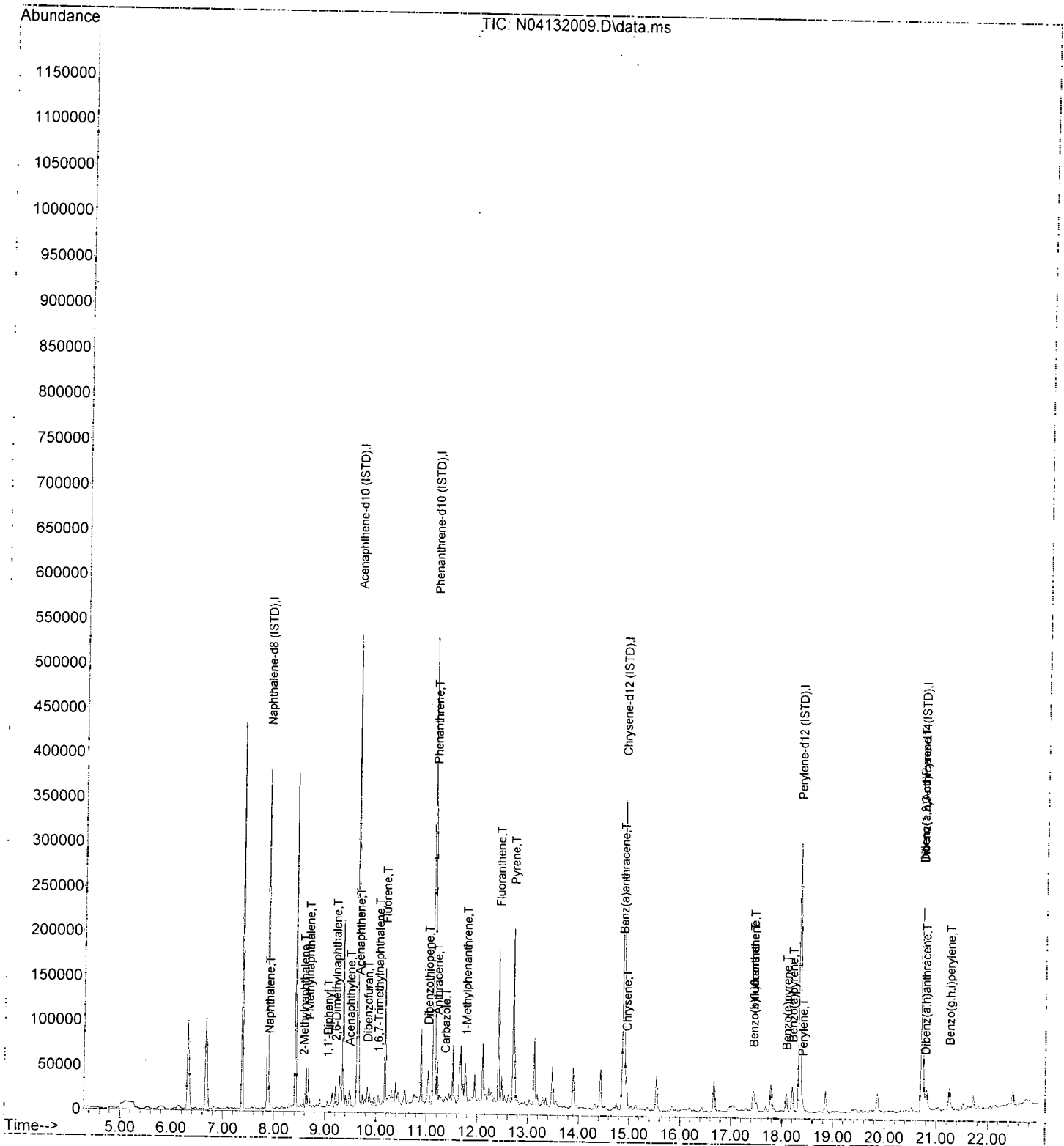
response 22633

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 21.91 |
| 137.00 | 28.60 | 18.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132009.D
 Acq On : 13 Apr 2020 12:24 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-06@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 13 13:24:35 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : AOD0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

AMS
4/13/20

Quant Time: Apr 13 13:24:43 2020
 Quant Method ; U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|--------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 265947 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 156697 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 282748 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.889 | 240 | 266931 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.345 | 264 | 272062 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 221788 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.184 | 82 | 205 | 0.25 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 586 | 0.24 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 685 | 0.27 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | N.D. | | | |
| 4) Naphthalene | 7.901 | 128 | 6971 | 2.41 | ng/ml | 100 | |
| 5) 2-Methylnaphthalene | 8.582 | 142 | 1389 | 0.71 | ng/ml | 98 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 936 | 0.48 | ng/ml | 99 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 628 | N.D. | | | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 6497 | 3.86 | ng/ml | 93 | |
| 11) Acenaphthylene | 9.486 | 152 | 5754 | 1.97 | ng/ml | 94 | |
| 12) Acenaphthene | 9.667 | 153 | 20502 | 9.57 | ng/ml | 98 | |
| 13) Dibenzofuran | 9.836 | 168 | 1738 | 0.67 | ng/ml | 77 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.045 | 170 | 3830 | 2.28 | ng/ml | 87 | |
| 15) Fluorene | 10.185 | 166 | 12378 | 6.01 | ng/ml | 99 | |
| 17) Dibenzothiopene | 11.030 | 184 | 15928 | 5.57 | ng/ml | 95 | |
| 18) Phenanthrene | 11.159 | 178 | 141277 | 43.41 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 20032 | 7.52 | ng/ml | 96 | |
| 20) Carbazole | 11.369 | 167 | 855 | N.D. | | | |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 10249 | 4.67 | ng/ml | 97 | |
| 22) Fluoranthene | 12.424 | 202 | 93296 | 29.09 | ng/ml | 95 | |
| 24) Pyrene | 12.709 | 202 | 125992 | 36.39 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 24296 | 8.78 | ng/ml | 76 | |
| 27) Chrysene | 14.947 | 228 | 30263 | 10.63 | ng/ml | 97 | |
| 29) Benzo(b)fluoranthene | 17.442 | 252 | 25722 | 9.15 | ng/ml | 94 | |
| 30) Benzo(k)fluoranthene | 17.442 | 252 | 31402 | 11.20 | ng/ml | 92 | |
| 31) Benzo(b+k)fluoranthene | 17.442 | 252 | 34611 | 11.70 | ng/ml | 92 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 16761 | 5.70 | ng/ml | 98 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 24072 | 11.13 | ng/ml | 96 | |
| 34) Perylene | 18.404 | 252 | 7167 | 2.37 | ng/ml | 100 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.724 | 276 | 16626 | 6.90 | ng/ml | 83 | |
| 37) Dibenz(a,h)anthracene | 20.788 | 278 | 1800 | 0.74 | ng/ml | 91 | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 21408 | 8.28 | ng/ml | 77 | |

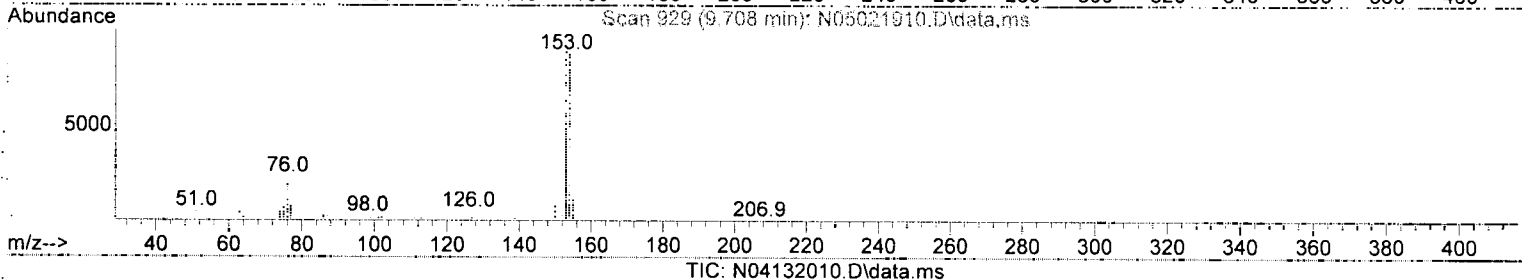
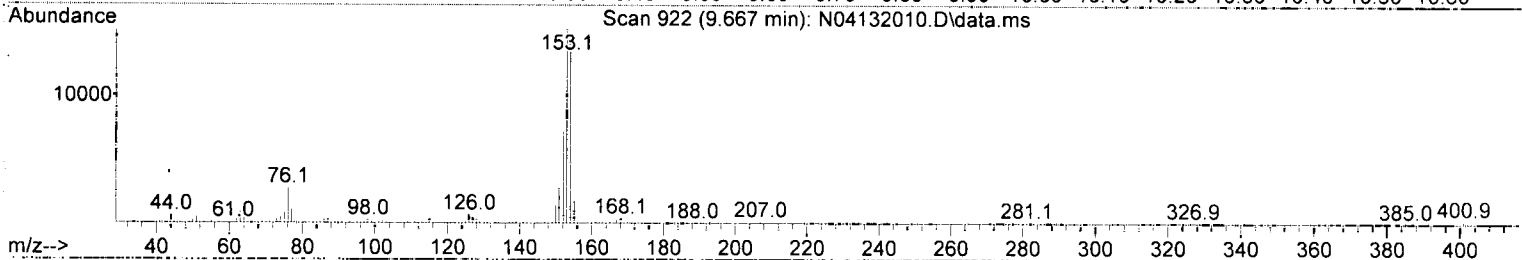
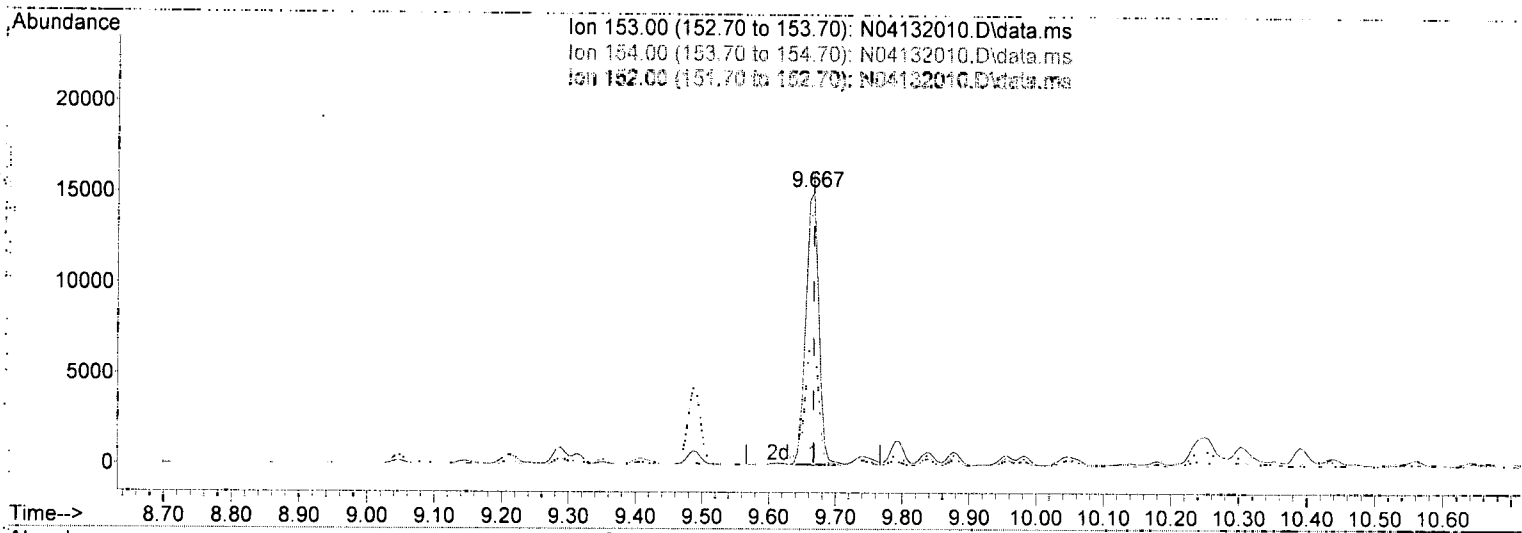
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MI-5

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.667min (-0.000) 9.57 ng/ml

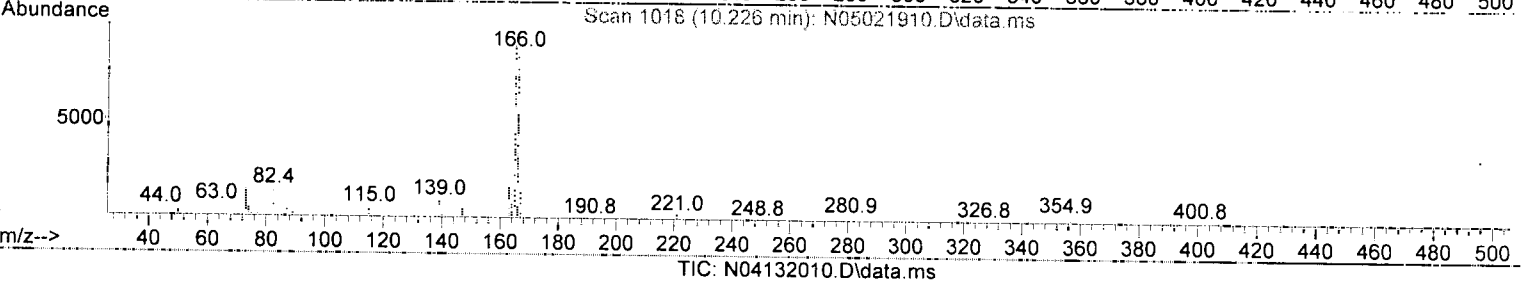
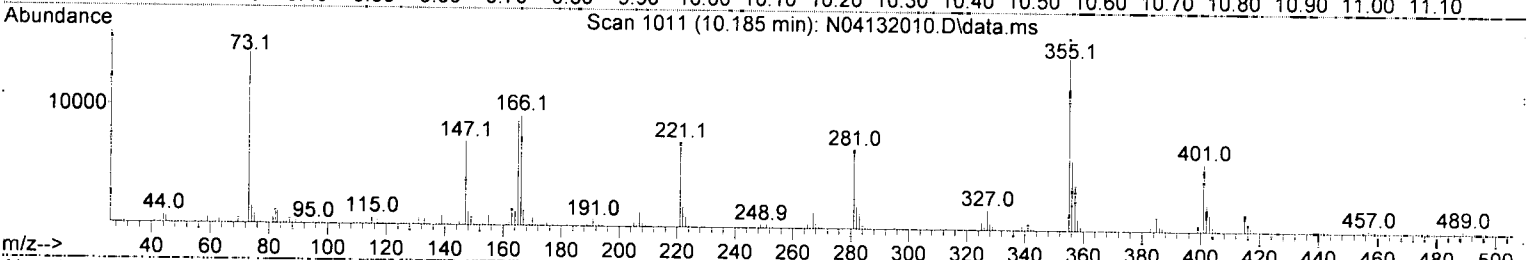
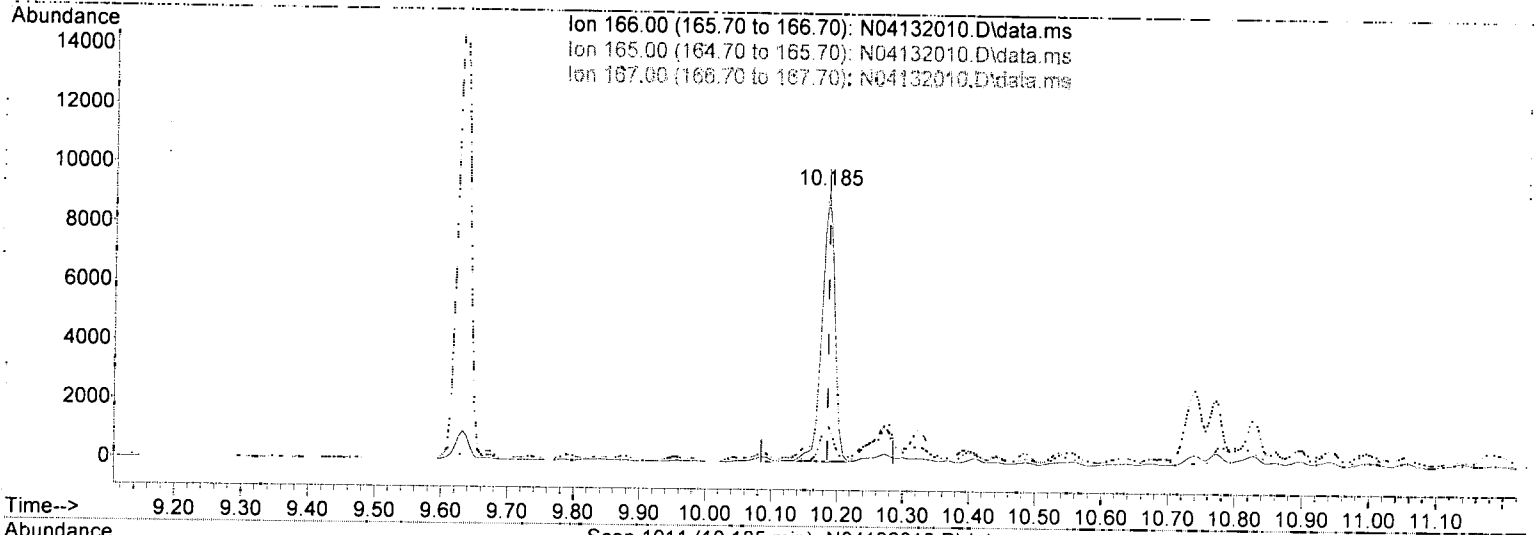
response 20502

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 92.93 |
| 152.00 | 46.80 | 47.37 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.185min (-0.000) 6.01 ng/ml

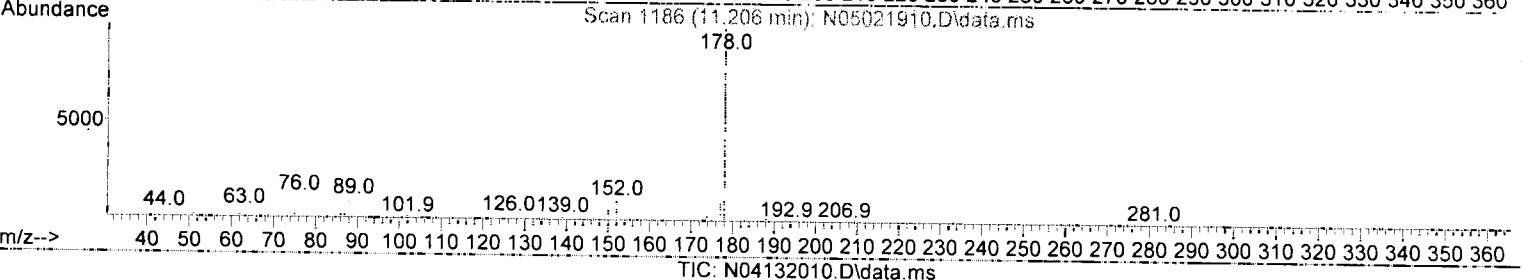
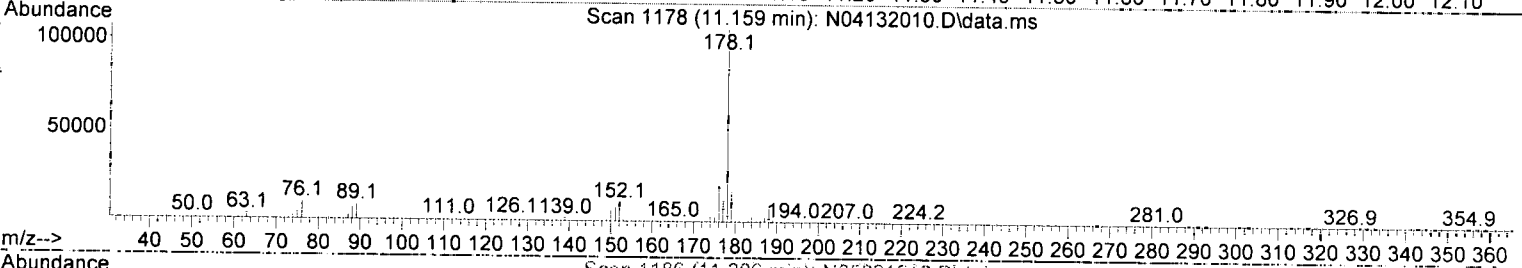
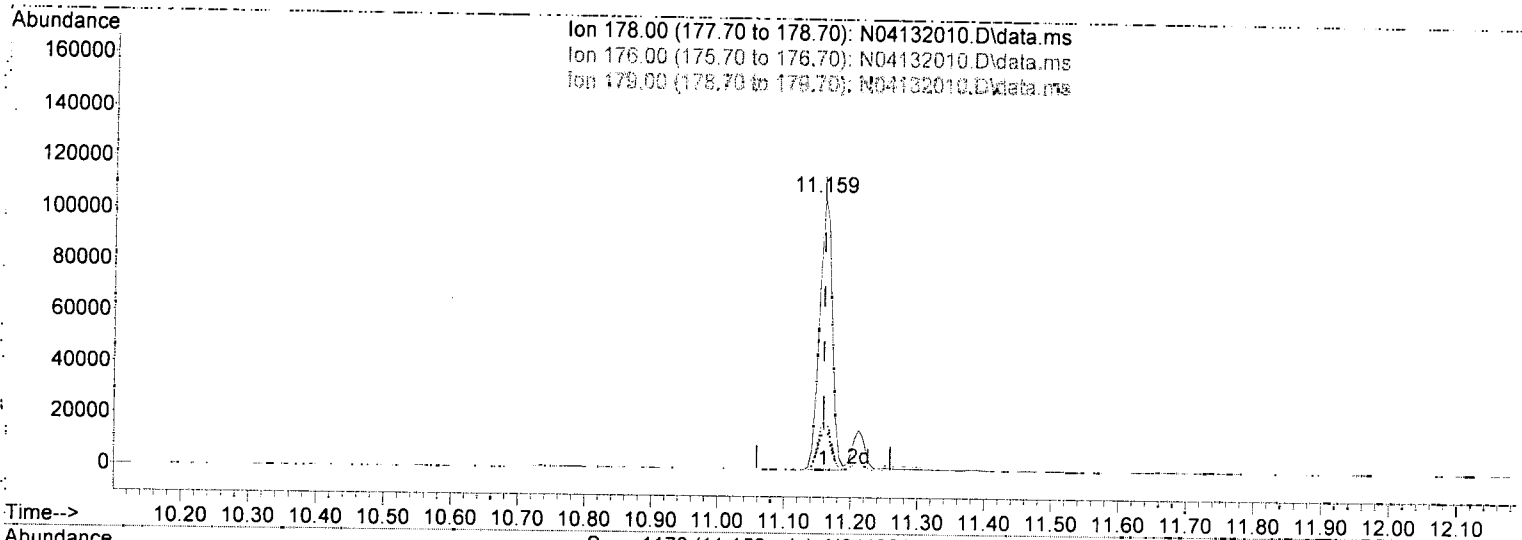
response 12378

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 95.08 |
| 167.00 | 13.60 | 14.11 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.159min (-0.000) 43.41 ng/ml

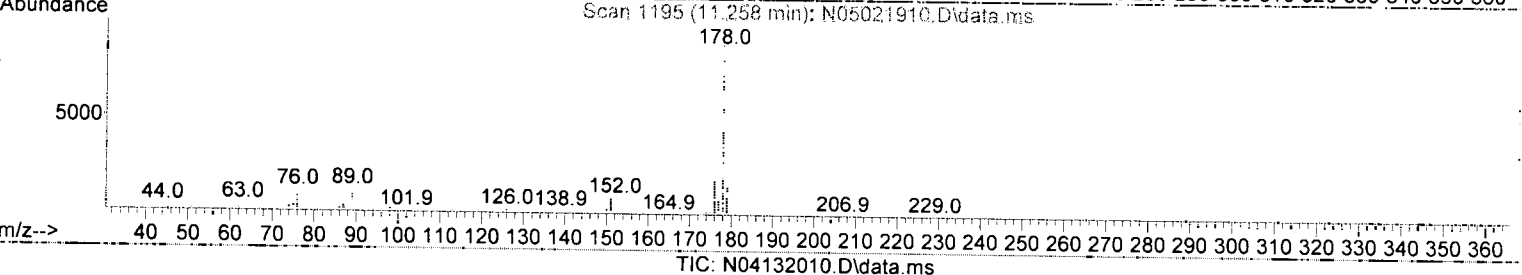
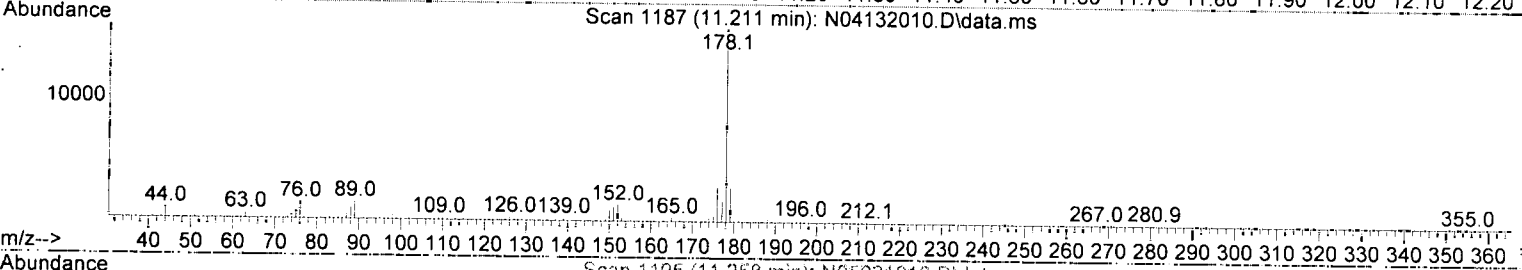
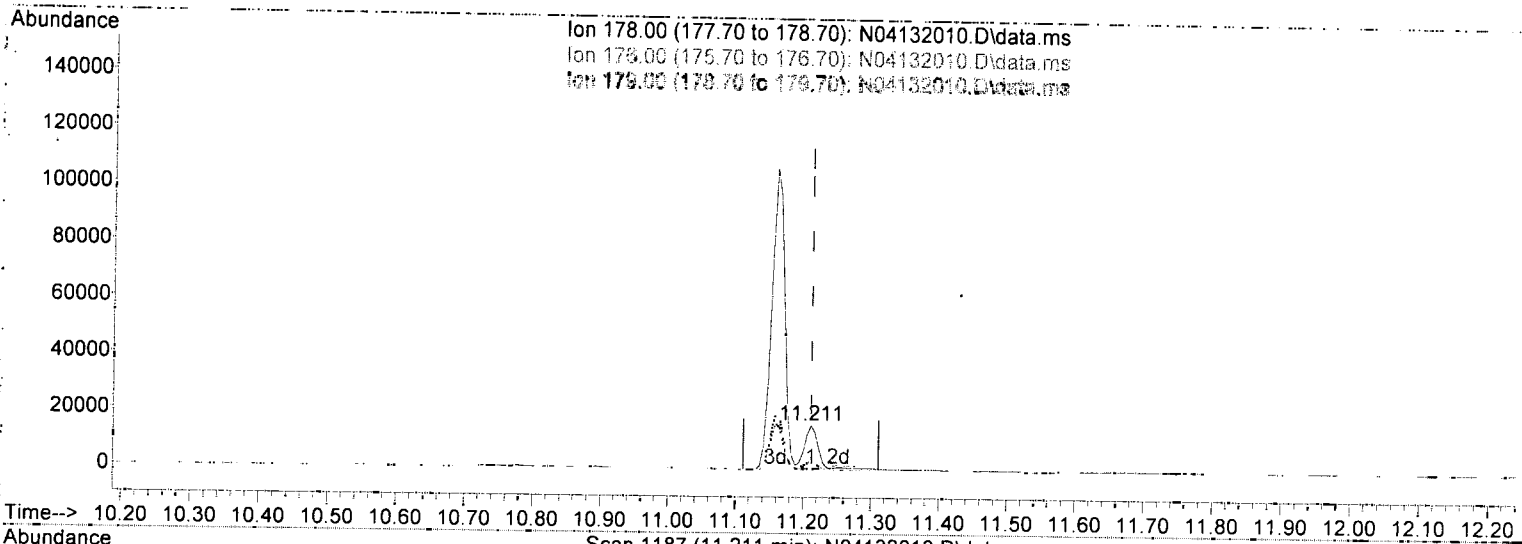
response 141277

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.54 |
| 179.00 | 15.10 | 15.37 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (-0.000) 7.52 ng/ml

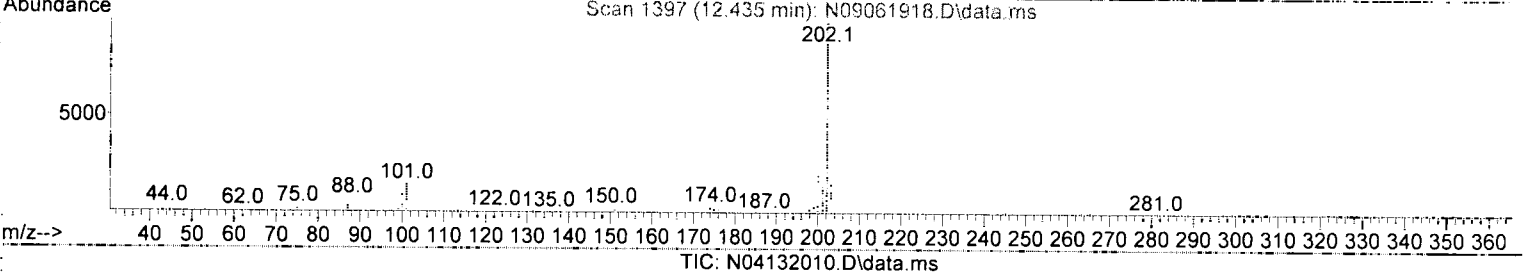
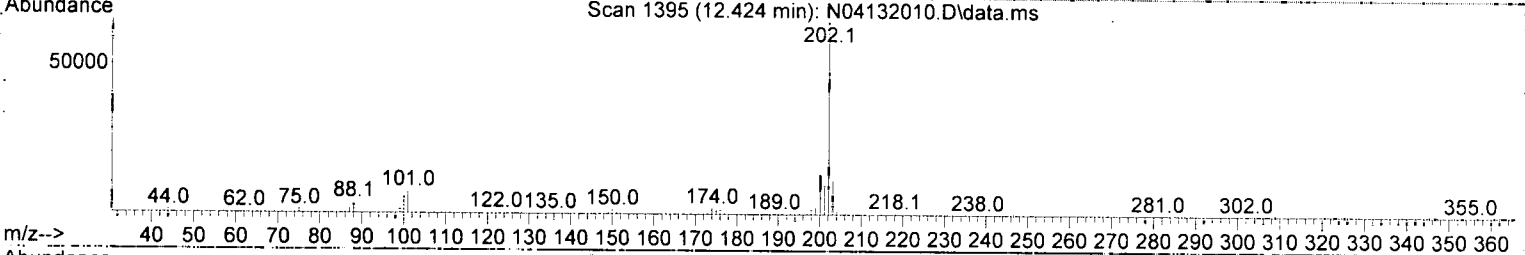
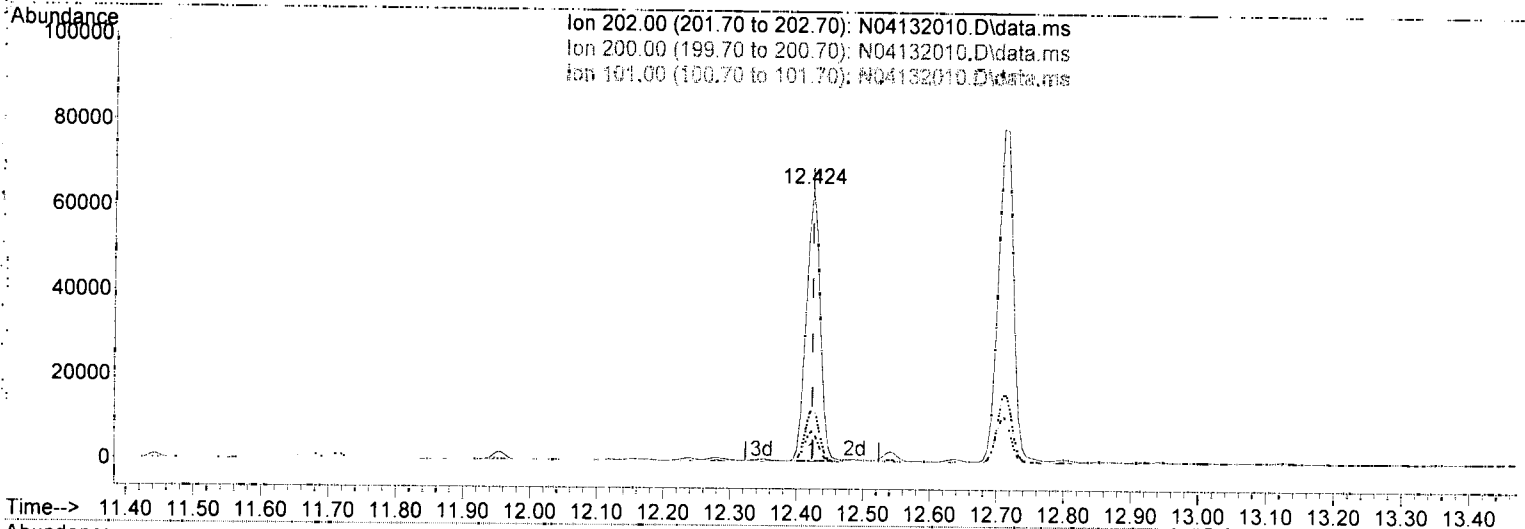
response 20032

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 17.97 |
| 179.00 | 15.30 | 17.53 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.424min (-0.000) 29.09 ng/ml

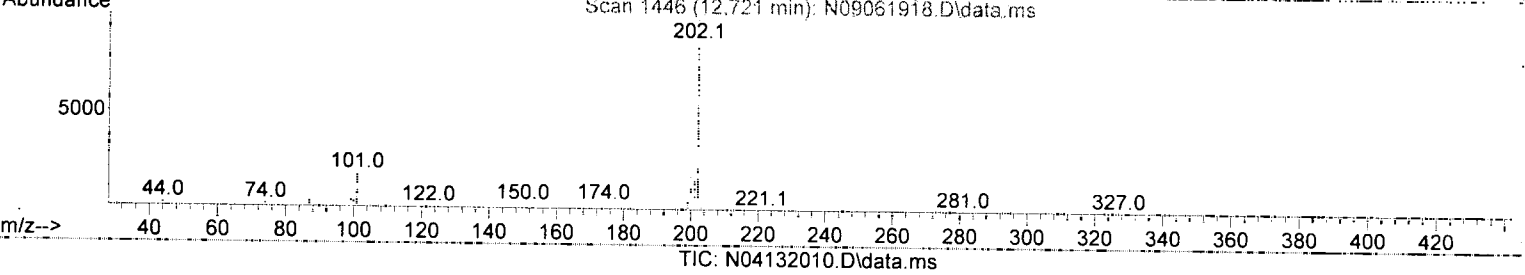
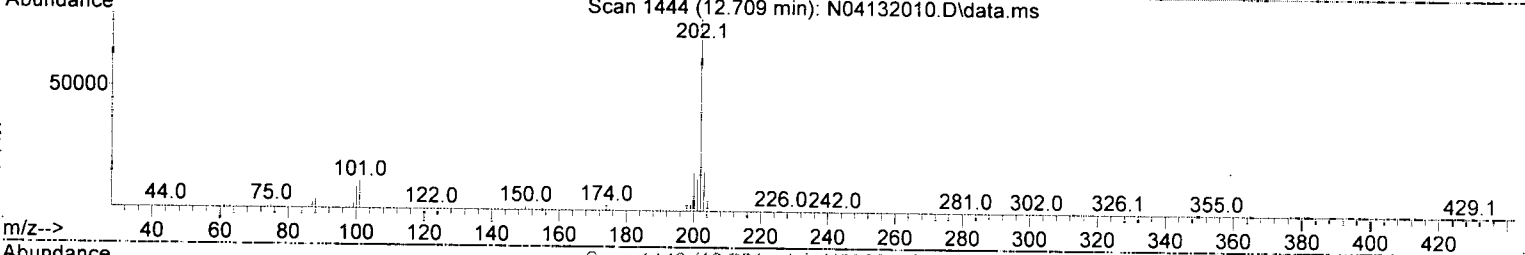
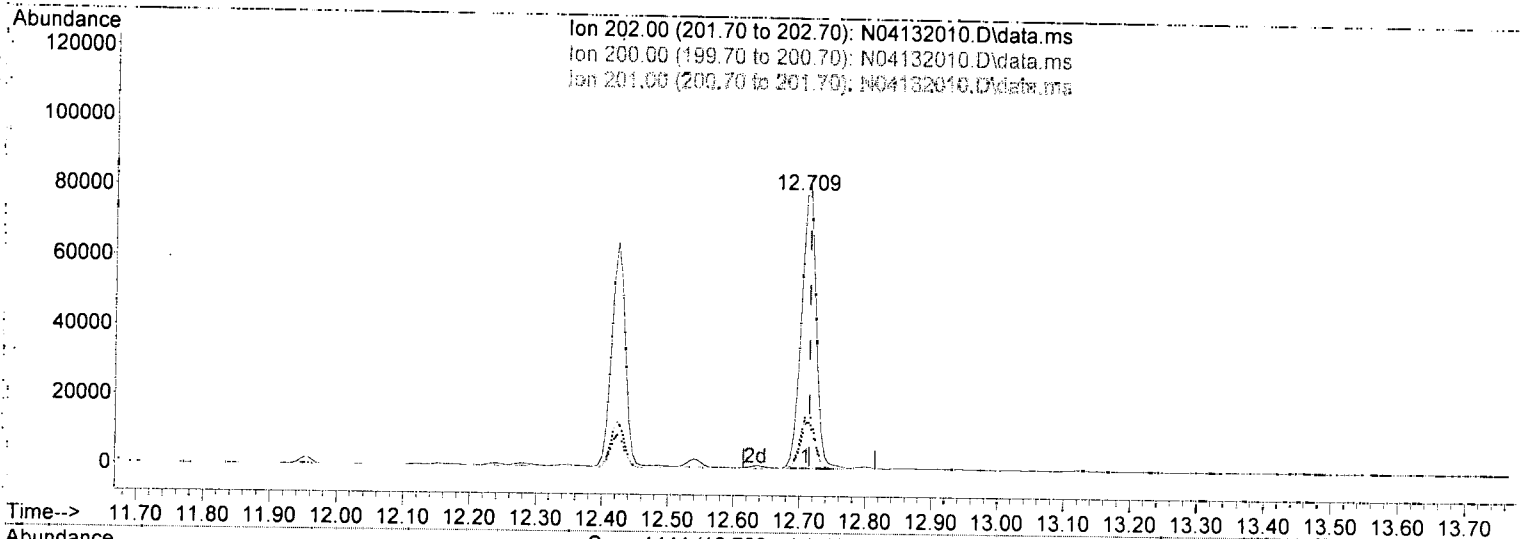
response 93296

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 20.38 |
| 101.00 | 15.30 | 11.53 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.709min (-0.006) 36.39 ng/ml

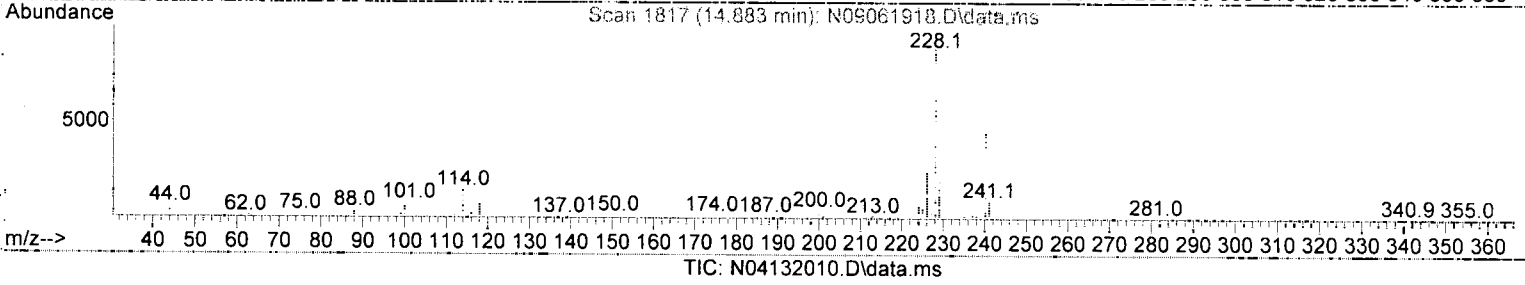
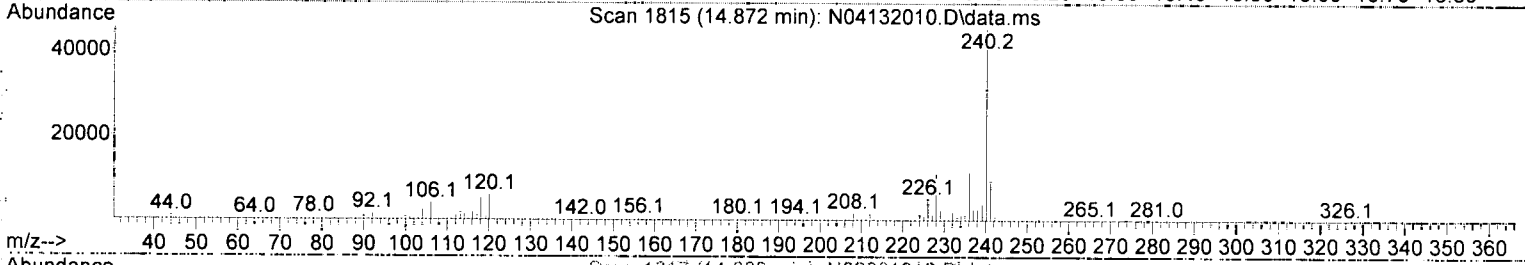
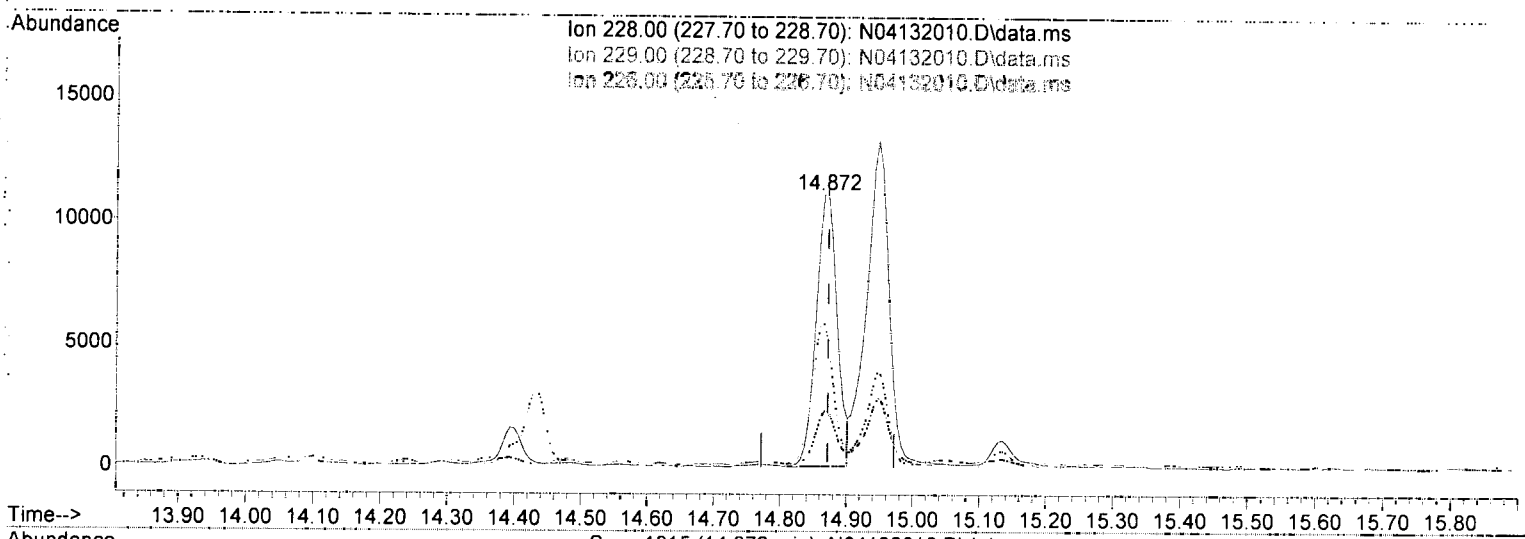
response 125992

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.22 |
| 201.00 | 16.80 | 17.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

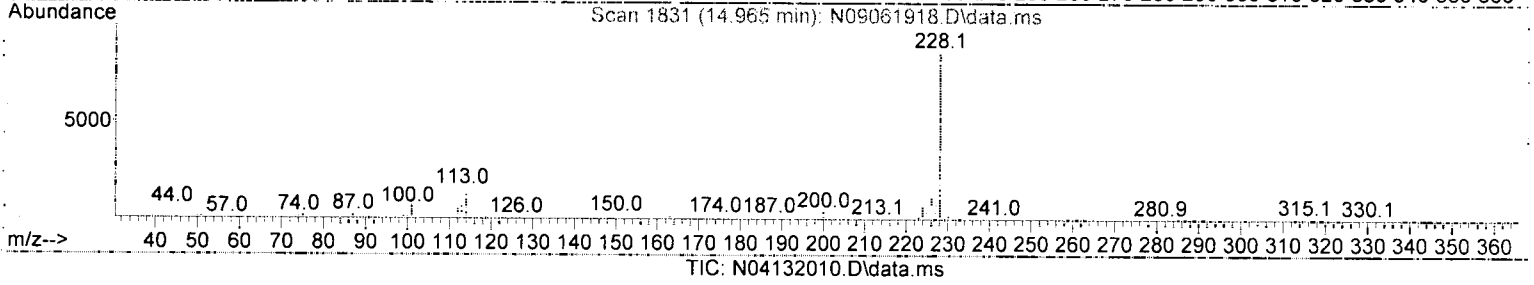
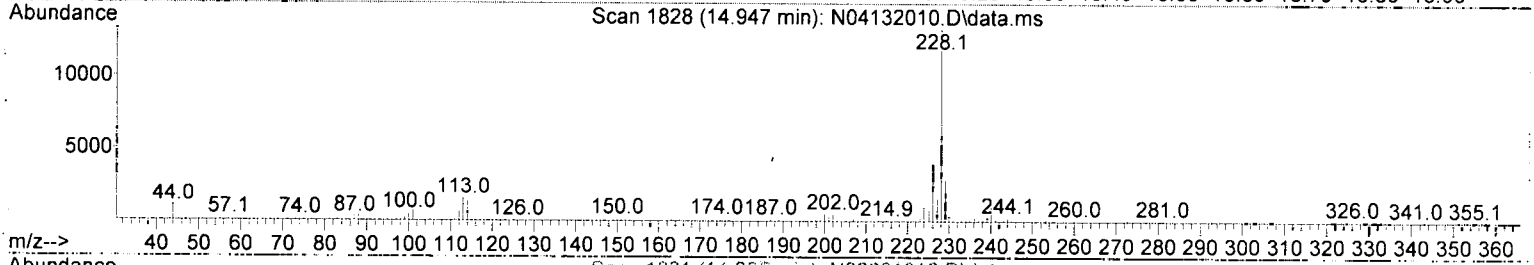
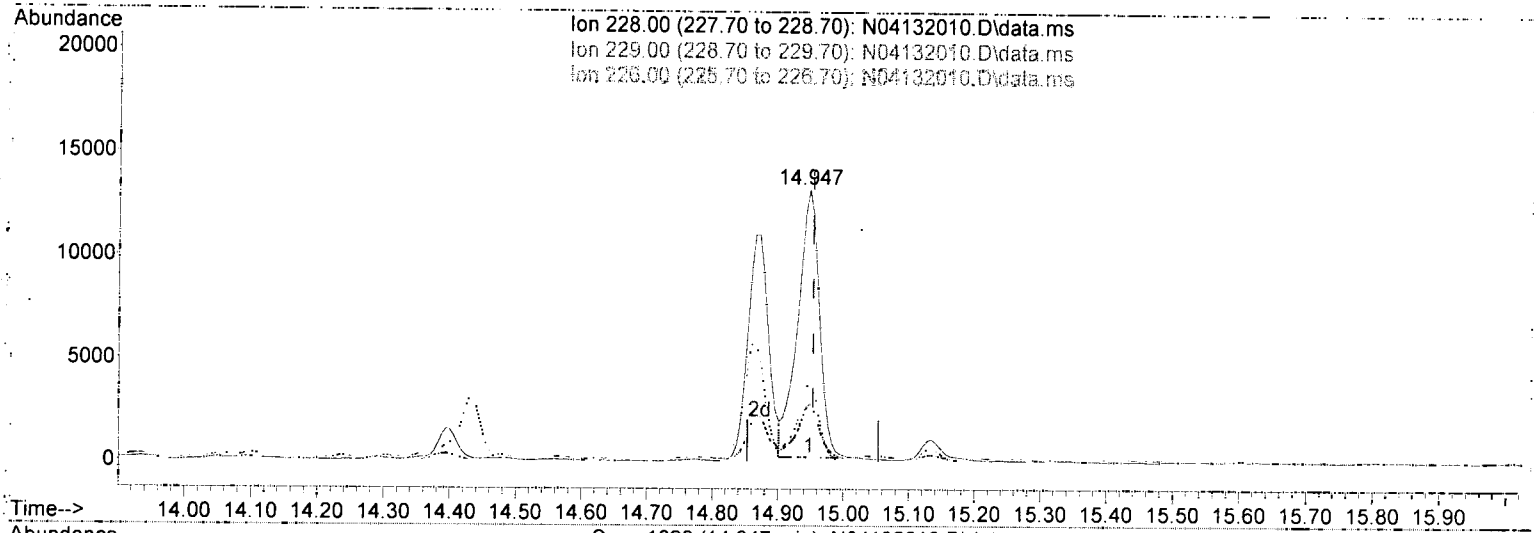
14.872min (-0.000) 8.78 ng/ml

| response | 24296 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.78 |
| 226.00 | 26.20 | 46.45 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(27) Chrysene (T)

14.947min (-0.006) 10.63 ng/ml

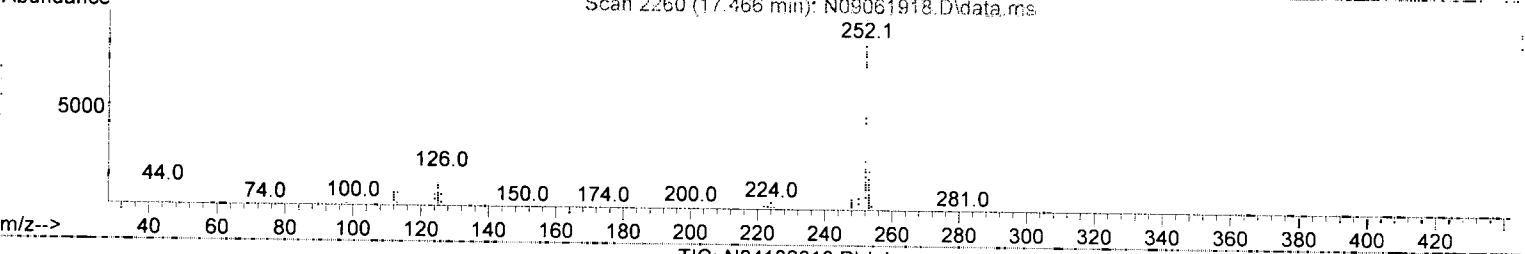
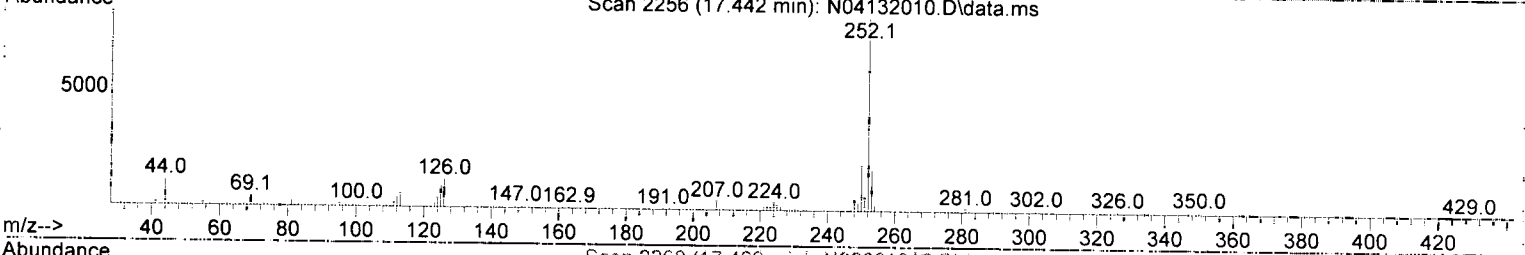
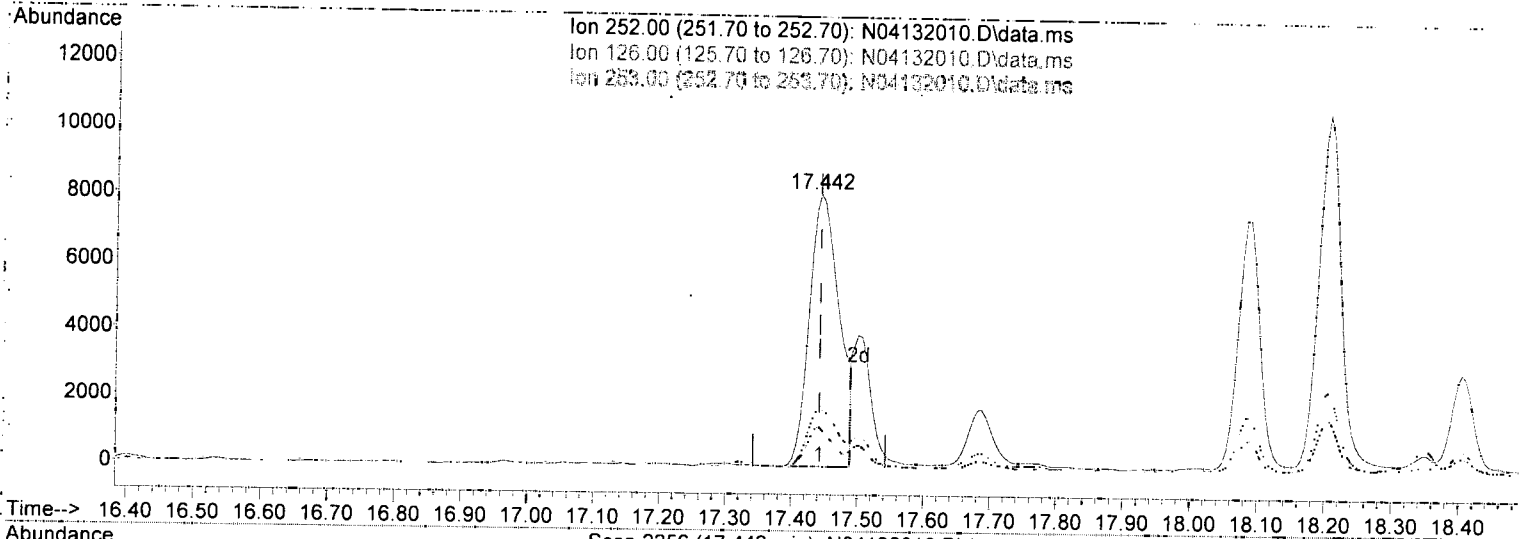
response 30263

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.36 |
| 226.00 | 28.60 | 29.71 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132010.D\data.ms

(29) Benzo(b)fluoranthene (T)

17.442min (-0.000) 9.15 ng/ml

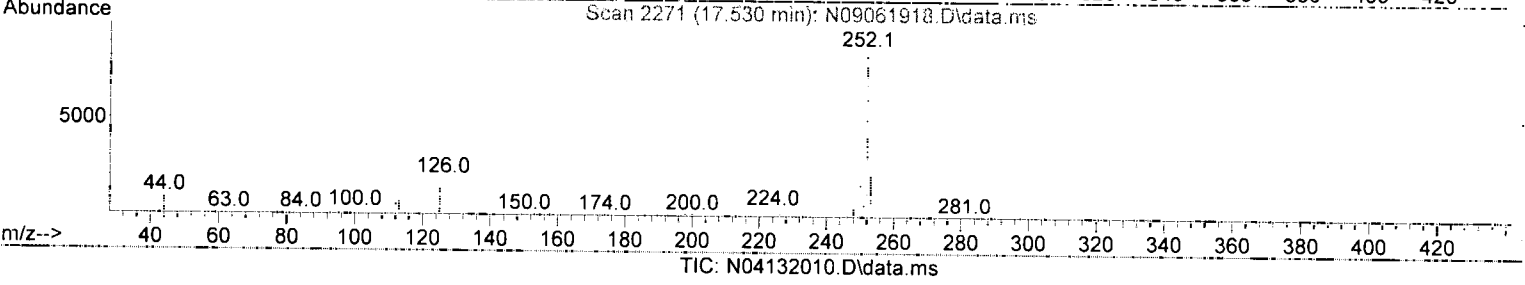
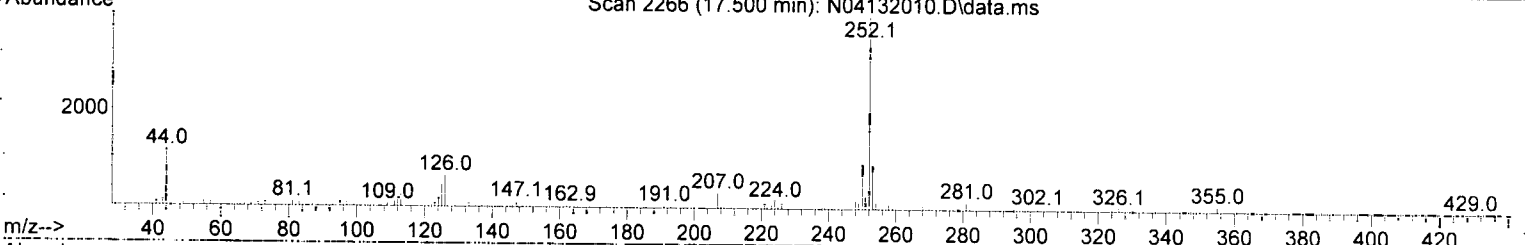
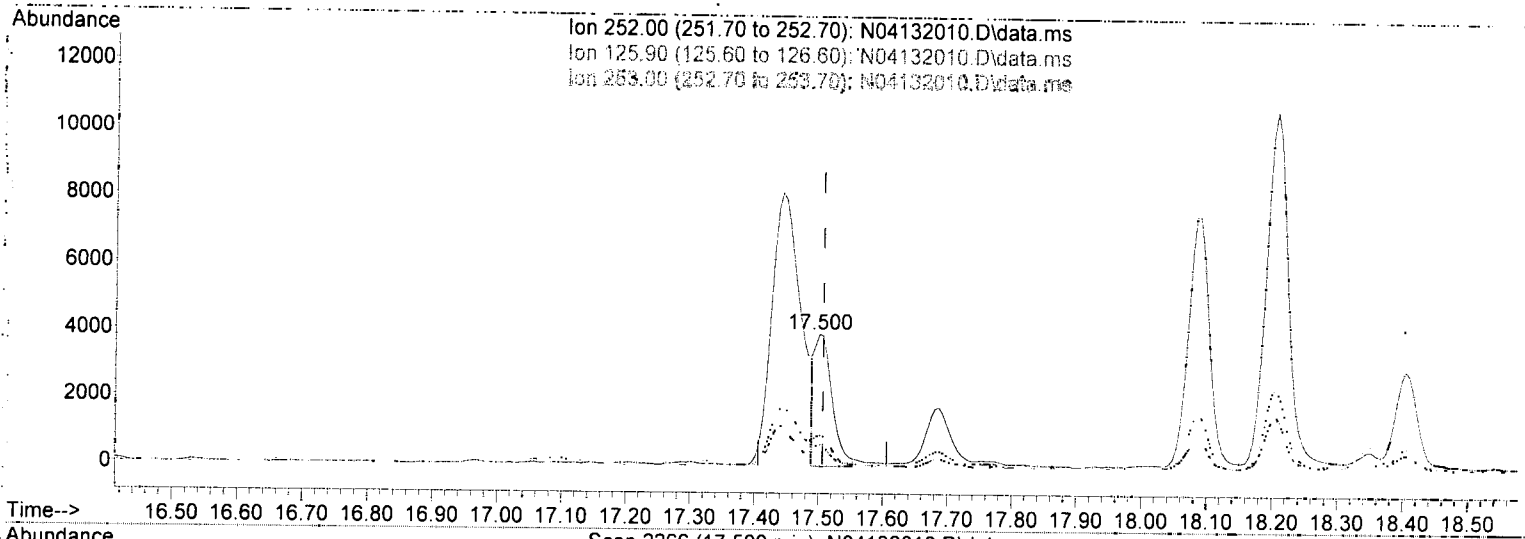
response 25722

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 14.59 |
| 253.00 | 21.10 | 21.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.500min (-0.006) 2.66 ng/ml m

response 7454

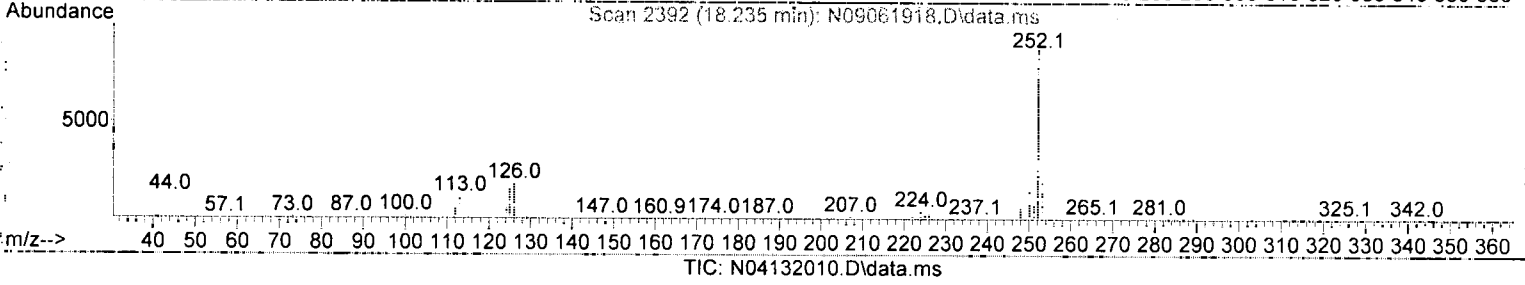
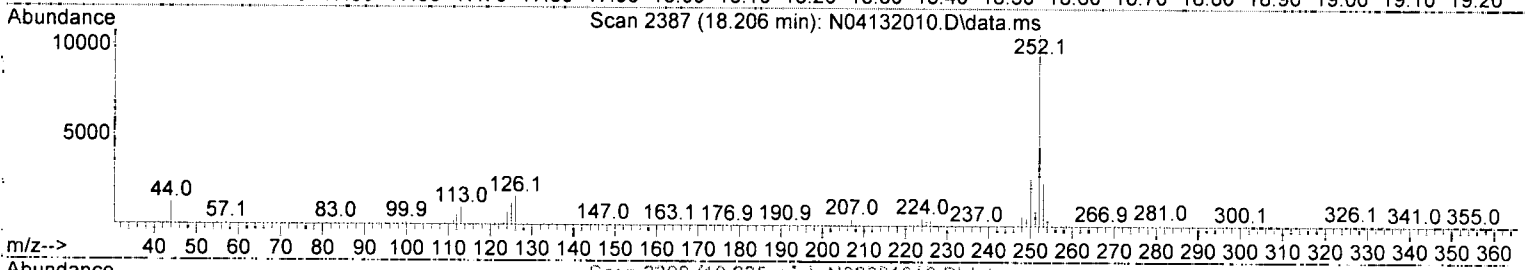
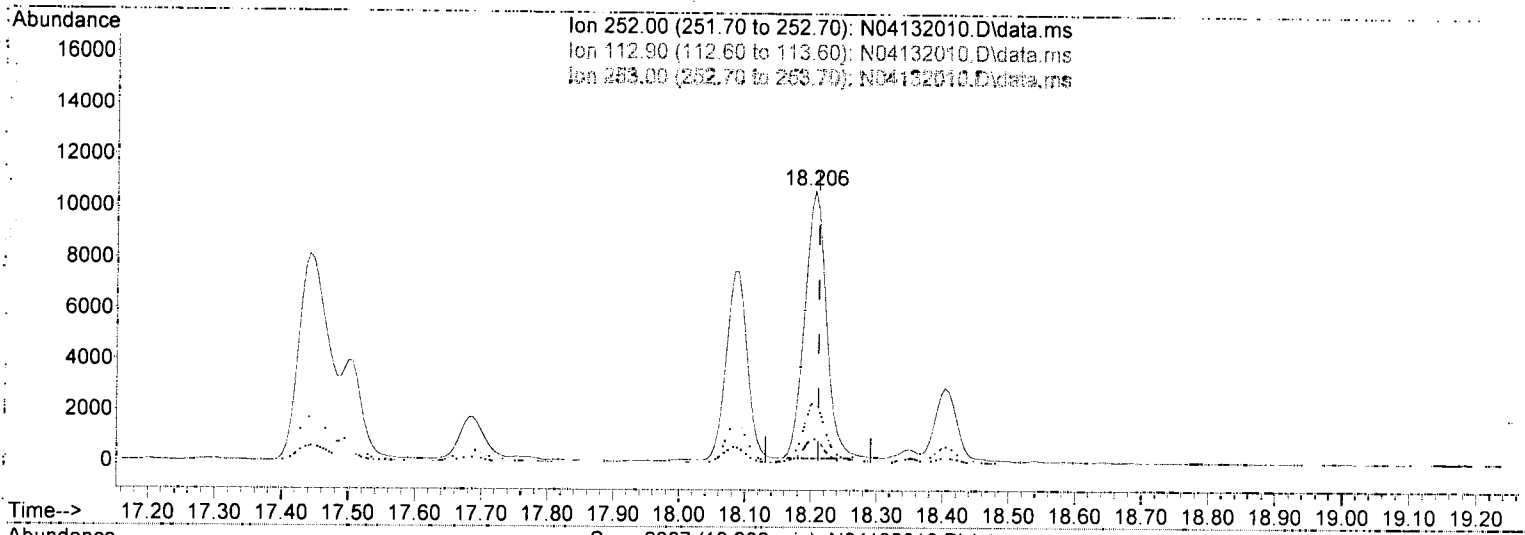
| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 16.72 |
| 253.00 | 21.50 | 23.02 |
| 0.00 | 0.00 | 0.00 |

AMS
4/13/20
J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.206min (-0.006) 11.13 ng/ml

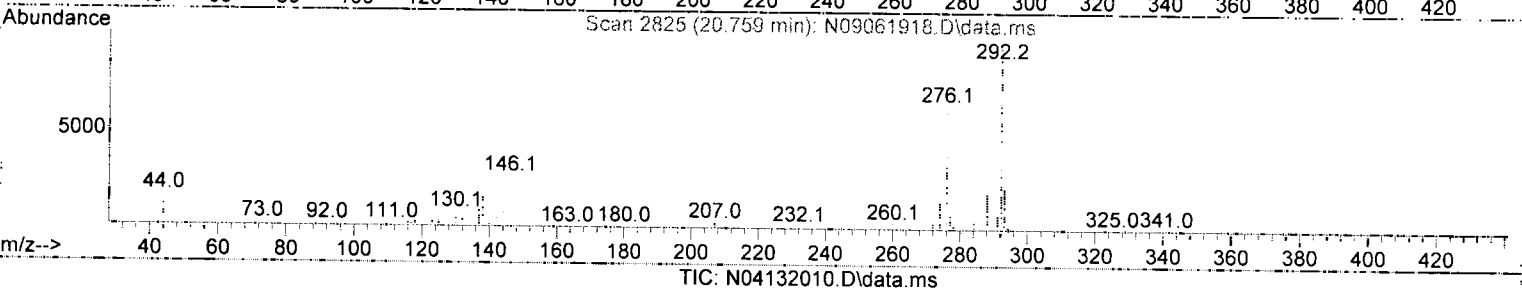
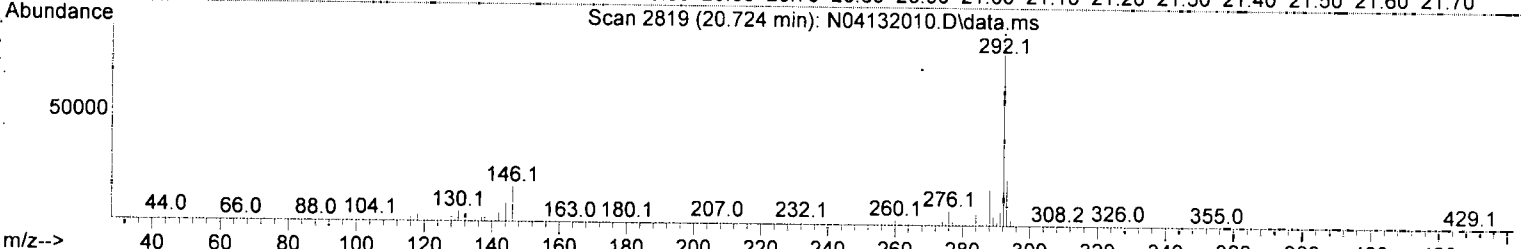
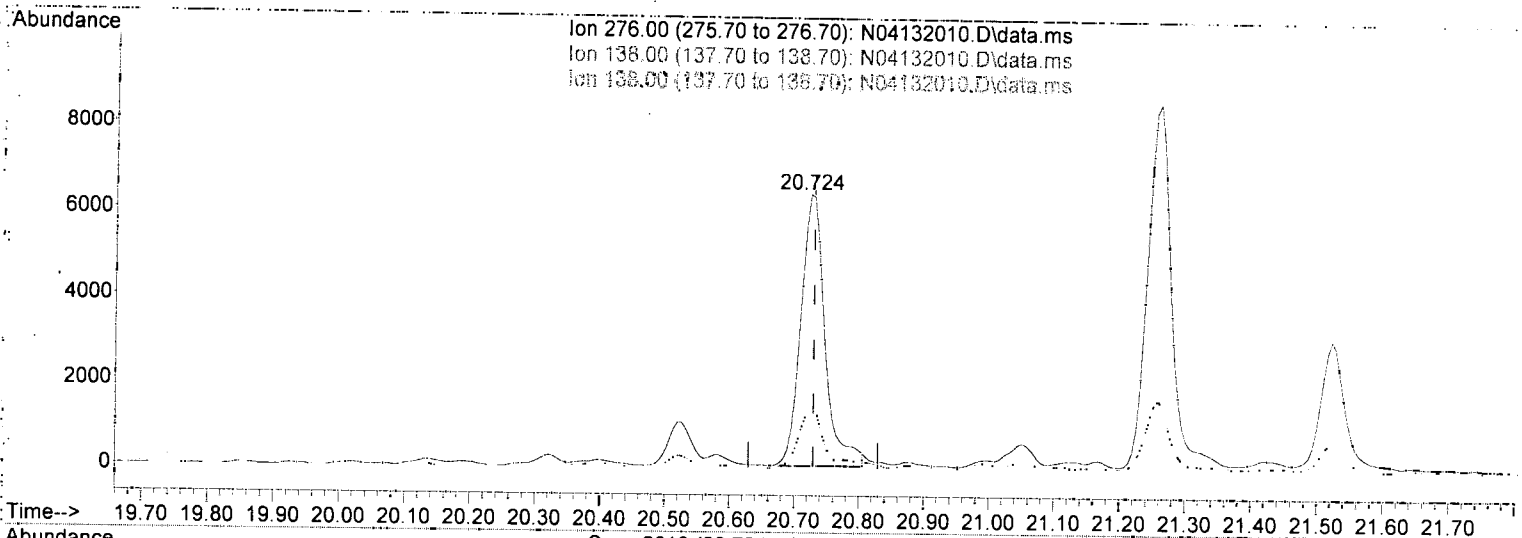
response 24072

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 8.86 |
| 253.00 | 21.90 | 22.47 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.724min (-0.006) 6.90 ng/ml

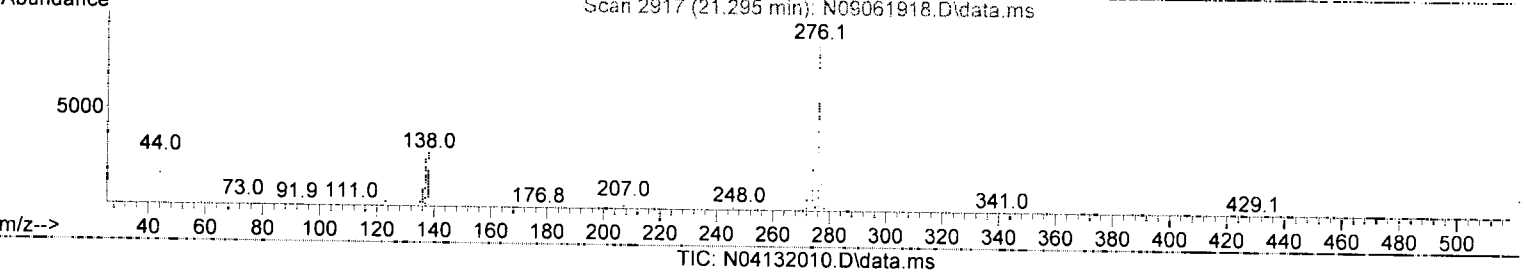
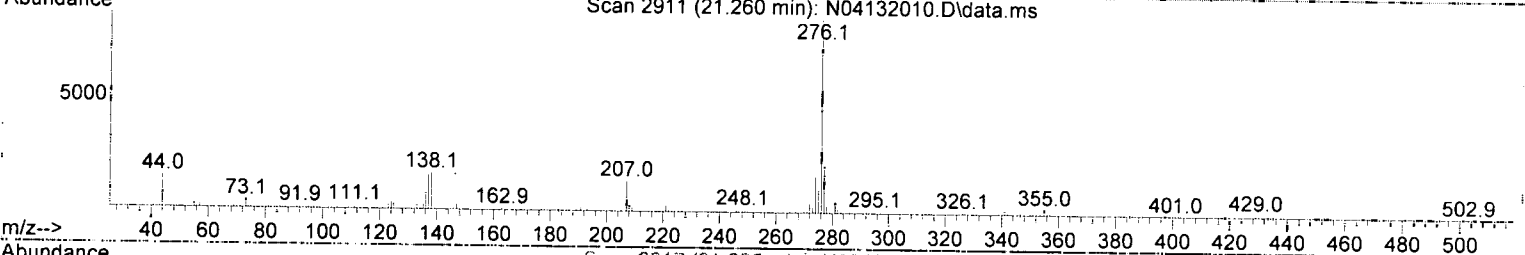
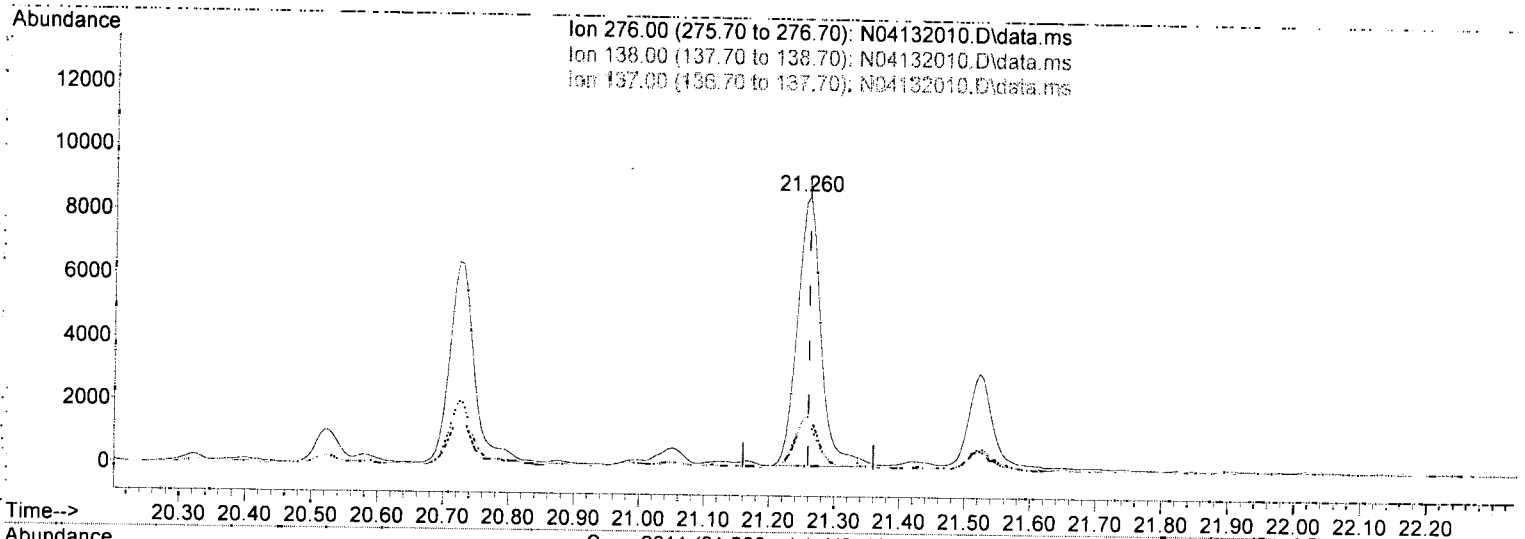
response 16626

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 22.02 |
| 138.00 | 31.60 | 22.02 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 14:58:12 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.260min (-0.000) 8.28 ng/ml

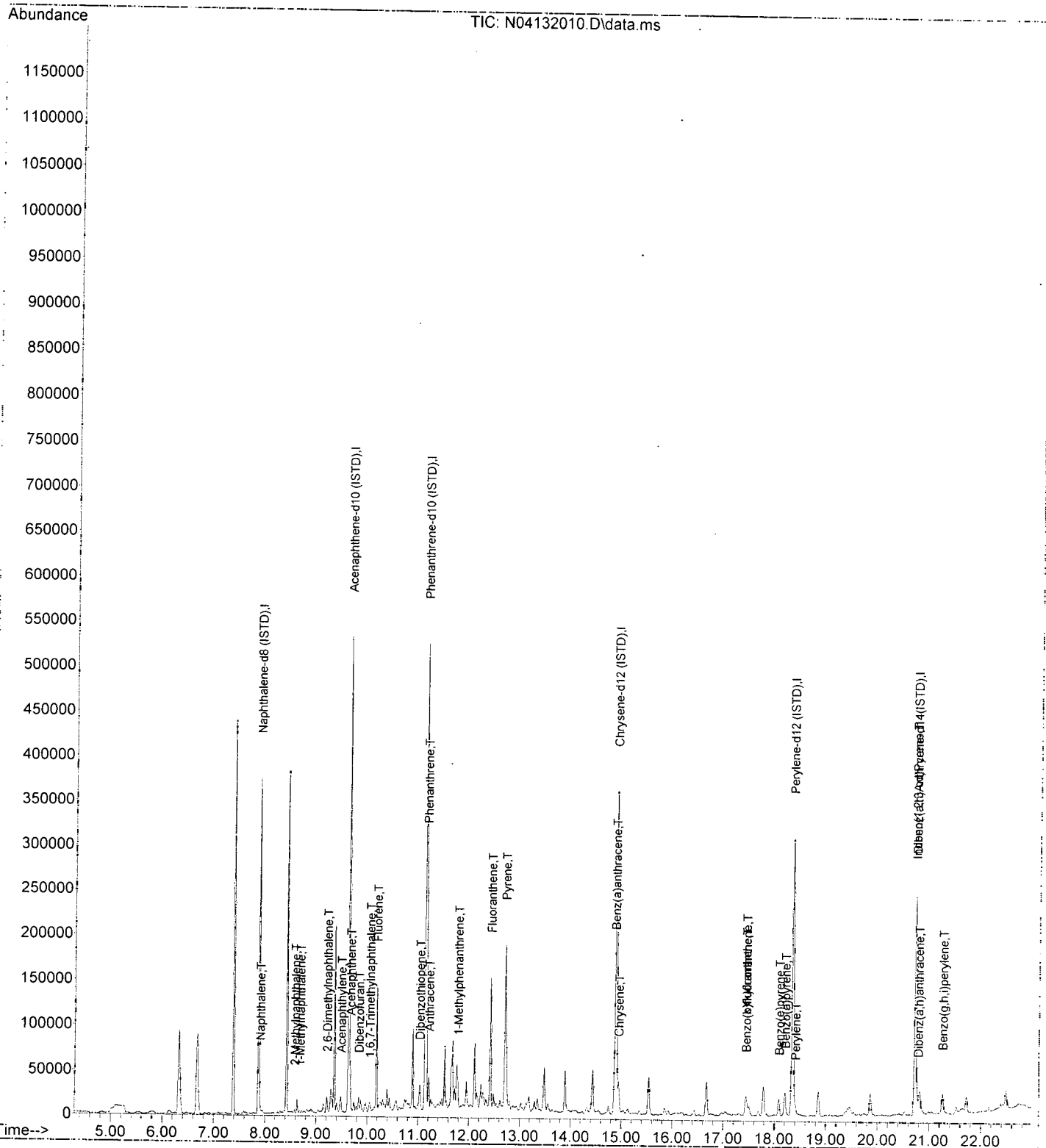
response 21408

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 19.04 |
| 137.00 | 28.60 | 18.17 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132010.D
 Acq On : 13 Apr 2020 12:56 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-07@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 13 13:24:43 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

AMS
4/14/20

MOS

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | Qvalue |
|------------------------------------|--------|------|----------|--------|--------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 252970 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 176826 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 345078 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 368059 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 381433 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.735 | 292 | 317119 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 53213 | 67.34 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 205230 | 74.97 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 288706 | 81.18 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 7.347 | 138 | 103 | 0.51 | ng/ml# | 56 | |
| 4) Naphthalene | 7.901 | 128 | 75944 | 27.56 | ng/ml | 98 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 22747 | 12.30 | ng/ml | 96 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 17391 | 9.47 | ng/ml | 98 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 6543 | 2.81 | ng/ml | 91 | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 15299 | 9.56 | ng/ml | 98 | |
| 11) Acenaphthylene | 9.486 | 152 | 11013 | 3.34 | ng/ml | 89 | |
| 12) Acenaphthene | 9.667 | 153 | 61074 | 25.25 | ng/ml | 99 | |
| 13) Dibenzofuran | 9.836 | 168 | 8086 | 2.76 | ng/ml | 93 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 8731 | 4.61 | ng/ml | 82 | |
| 15) Fluorene | 10.185 | 166 | 37243 | 16.01 | ng/ml | 98 | |
| 17) Dibenzothiopene | 11.031 | 184 | 51924 | 14.89 | ng/ml | 96 | |
| 18) Phenanthrene | 11.165 | 178 | 403314 | 101.54 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 44162 | 13.58 | ng/ml | 98 | |
| 20) Carbazole | 11.369 | 167 | 6968 | 2.48 | ng/ml | 91 | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 24696 | 9.22 | ng/ml | 96 | |
| 22) Fluoranthene | 12.429 | 202 | 239286 | 61.13 | ng/ml | 95 | |
| 24) Pyrene | 12.715 | 202 | 352806 | 73.90 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 69997 | 18.34 | ng/ml | 74 | |
| 27) Chrysene | 14.953 | 228 | 86159 | 21.95 | ng/ml | 97 | |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 67372 | 17.09 | ng/ml | 91 | |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 84542 | 21.51 | ng/ml | 89 | |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 93449 | 22.54 | ng/ml | 89 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 43867 | 10.64 | ng/ml | 97 | |
| 33) Benzo(a)pyrene | 18.211 | 252 | 65637 | 21.26 | ng/ml | 96 | |
| 34) Perylene | 18.410 | 252 | 24577 | 5.79 | ng/ml | 98 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 44402 | 12.89 | ng/ml | 80 | |
| 37) Dibenz(a,h)anthracene | 20.799 | 278 | 5568 | 1.60 | ng/ml | 87 | |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 55797 | 15.10 | ng/ml | 78 | |

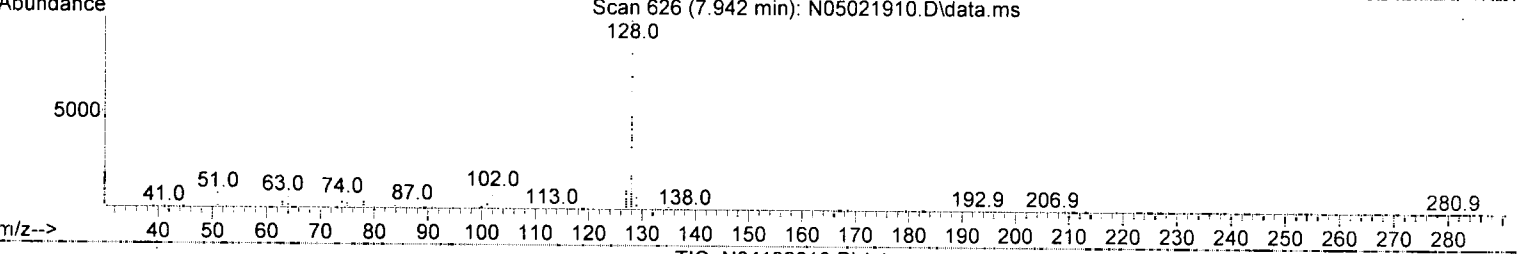
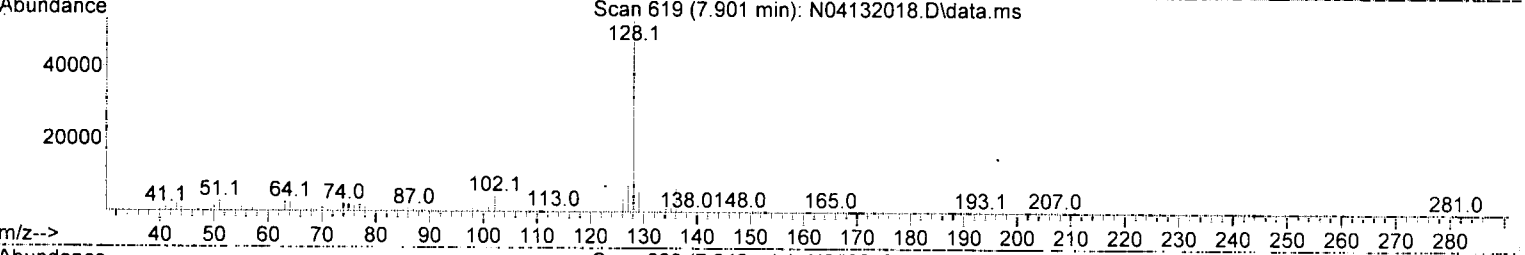
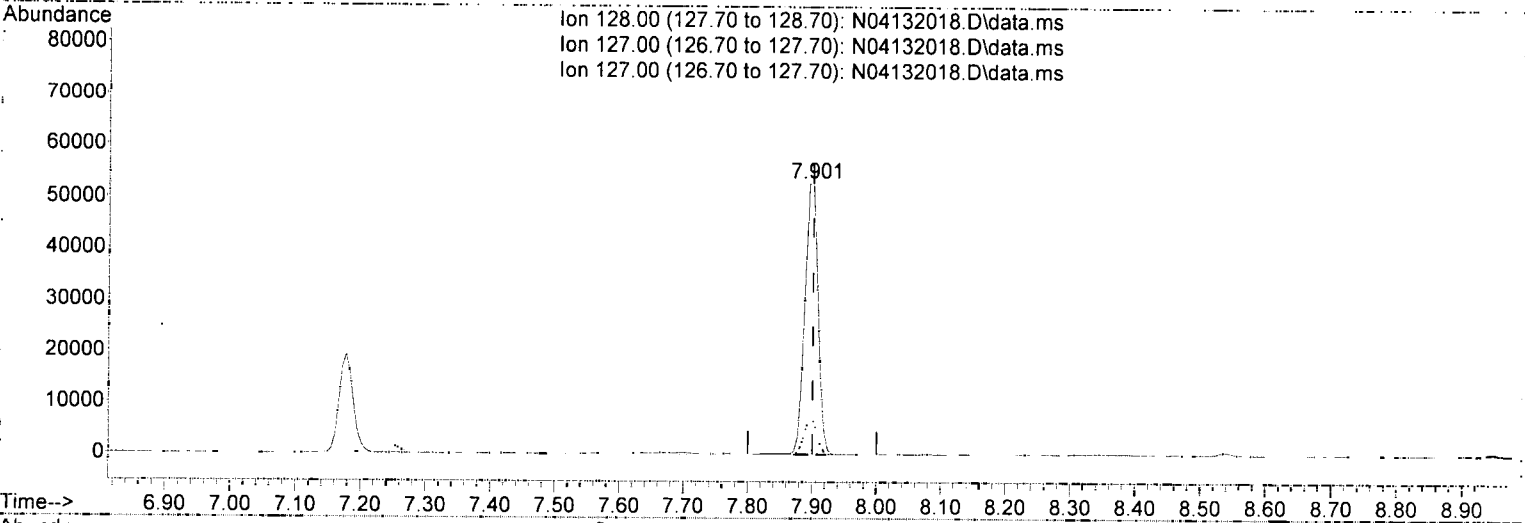
MI-MOS

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132018.D\data.ms

(4) Naphthalene (T)

7.901min (0.000) 27.56 ng/ml

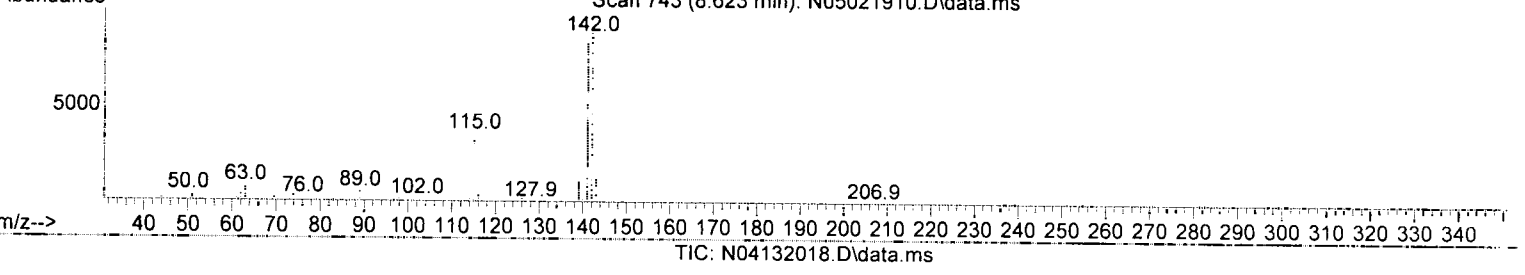
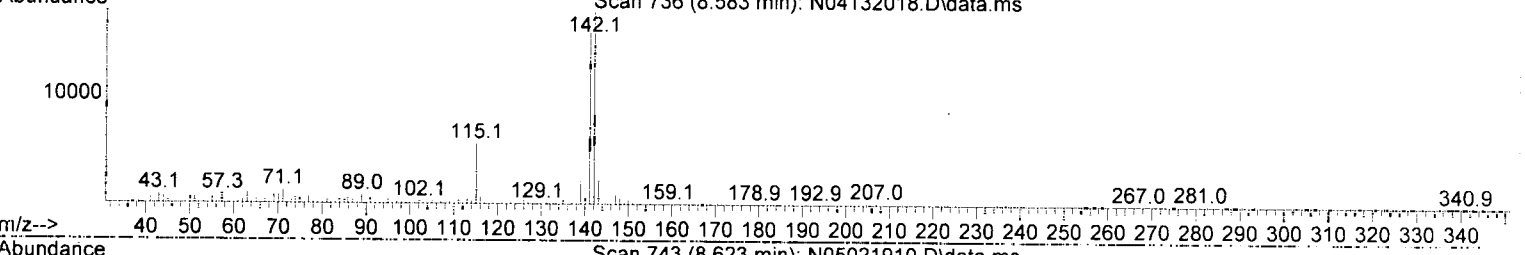
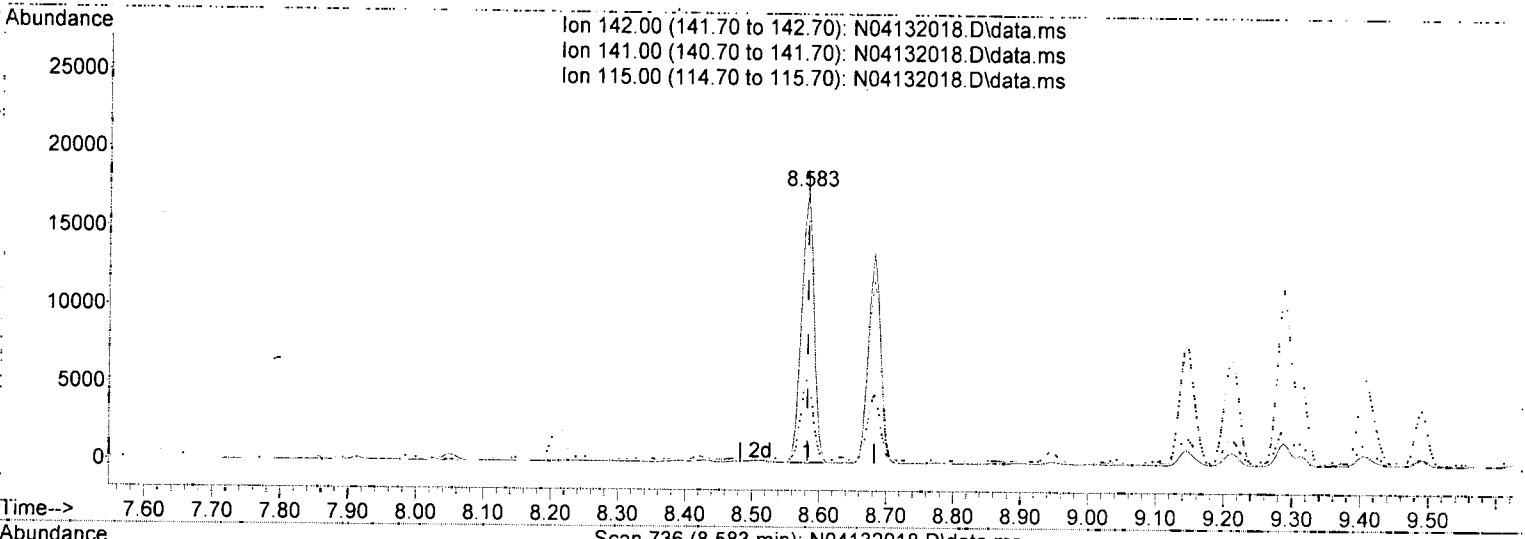
response 75944

| Ion | Exp% | Act% |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 127.00 | 12.60 | 13.31 |
| 127.00 | 12.60 | 13.31 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132018.D\data.ms

(5) 2-Methylnaphthalene (T)

8.583min (0.000) 12.30 ng/ml

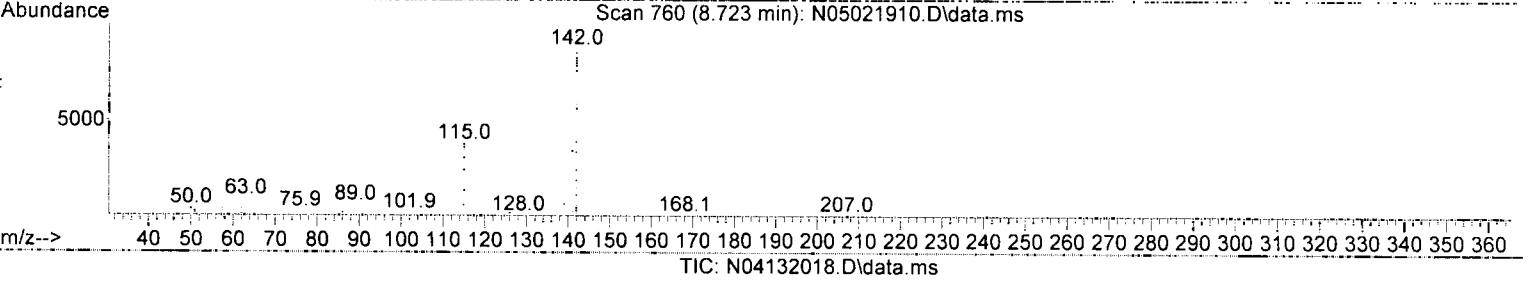
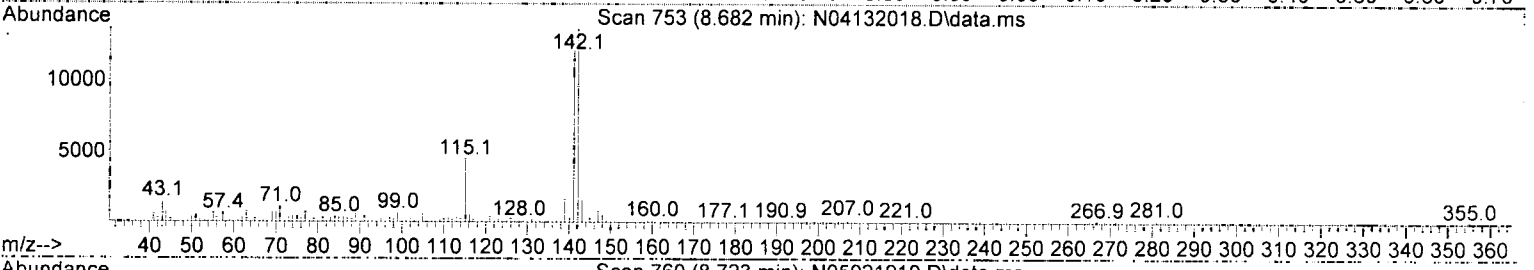
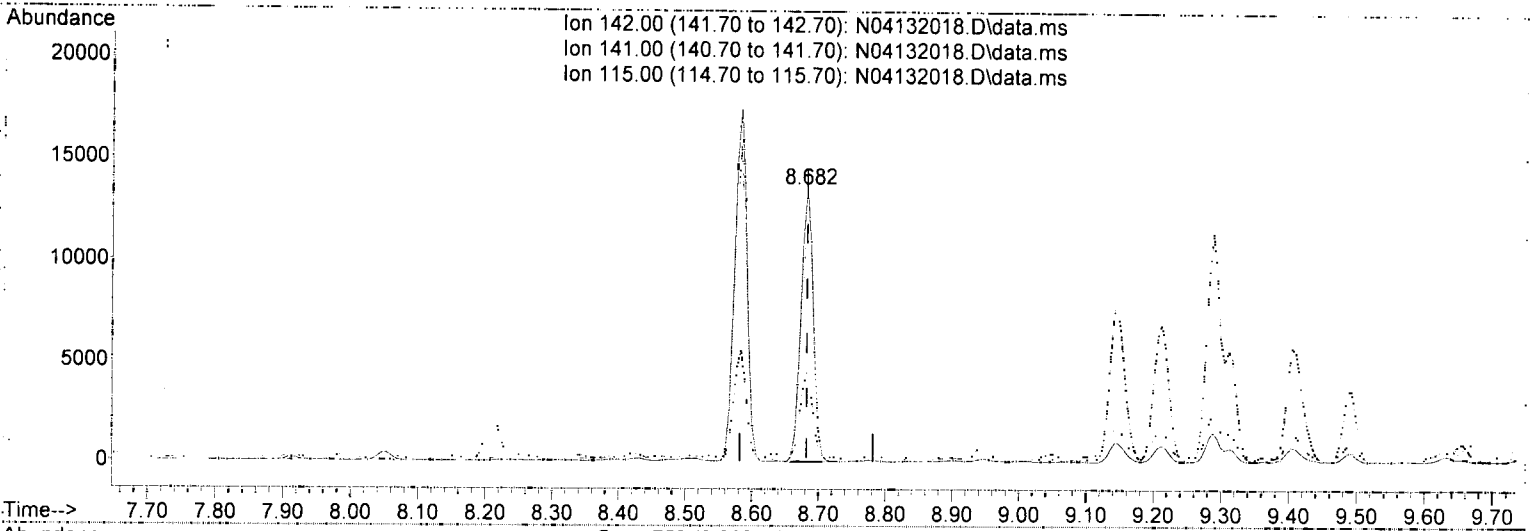
response 22747

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 86.60 | 89.54 |
| 115.00 | 35.70 | 31.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (-0.000) 9.47 ng/ml

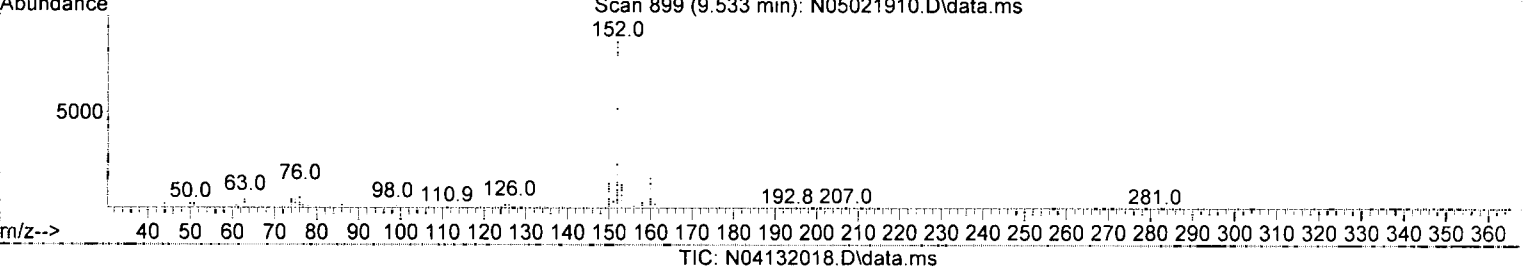
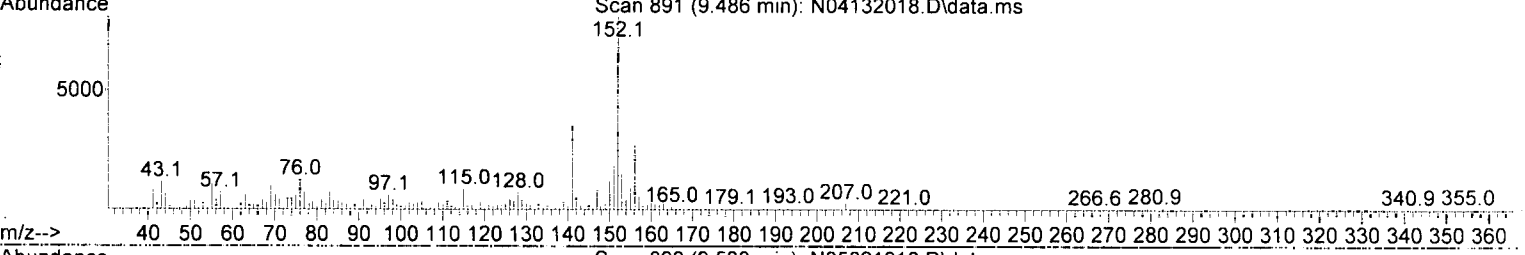
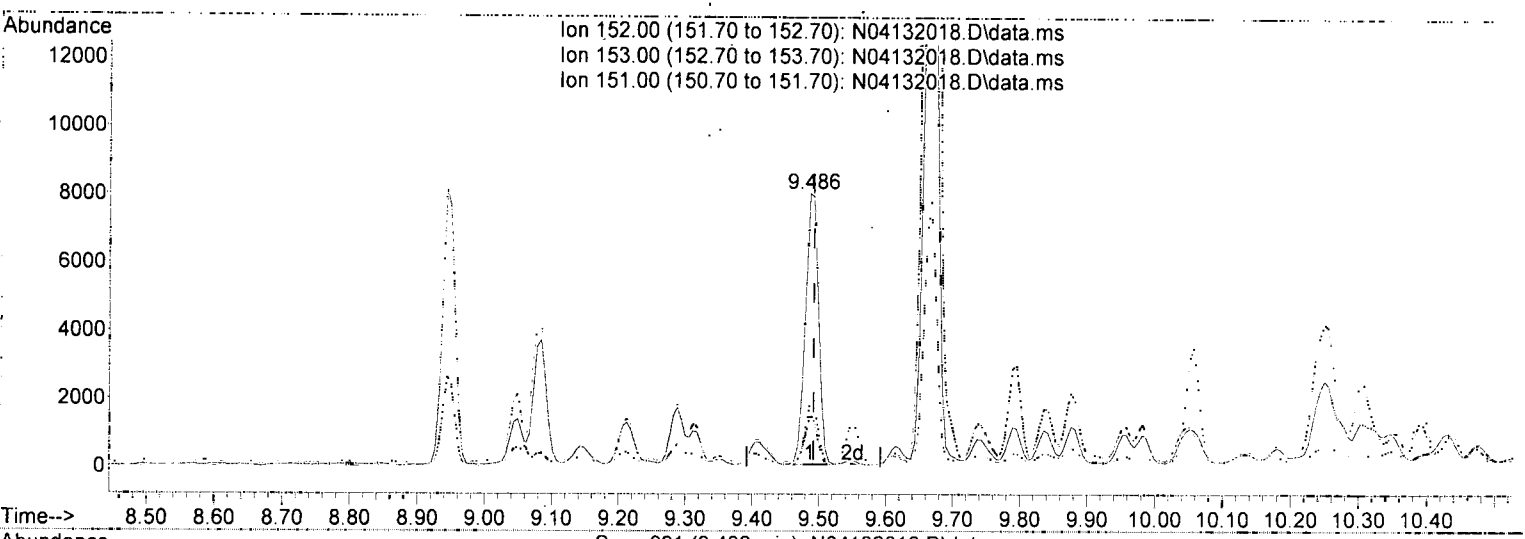
response 17391

| Ion | Exp% | Act% |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 90.70 | 90.70 |
| 115.00 | 37.80 | 32.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1.

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.486min (-0.006) 3.34 ng/ml

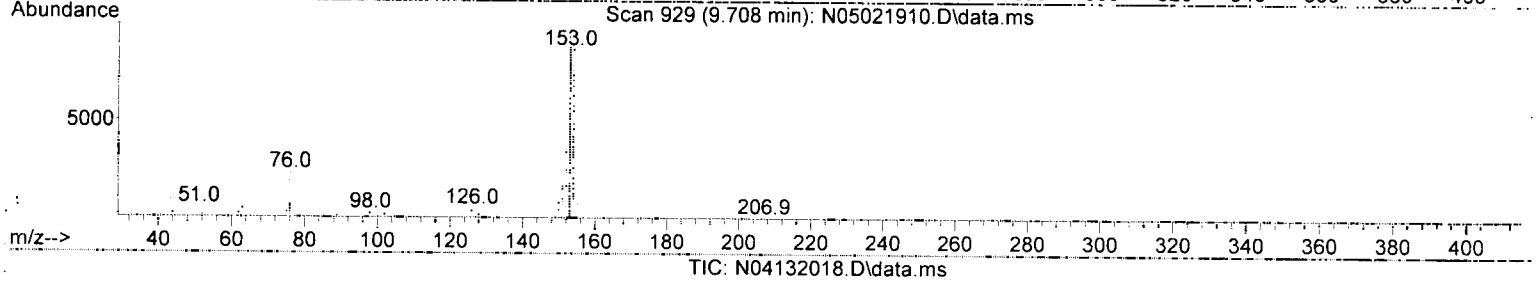
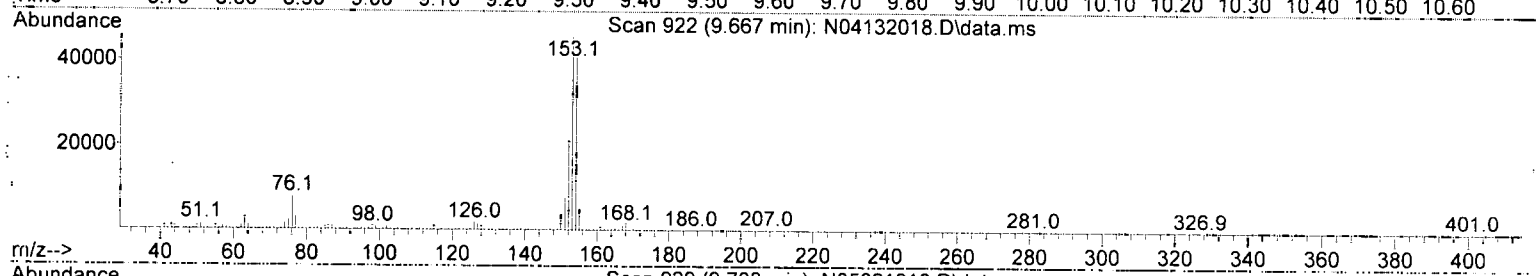
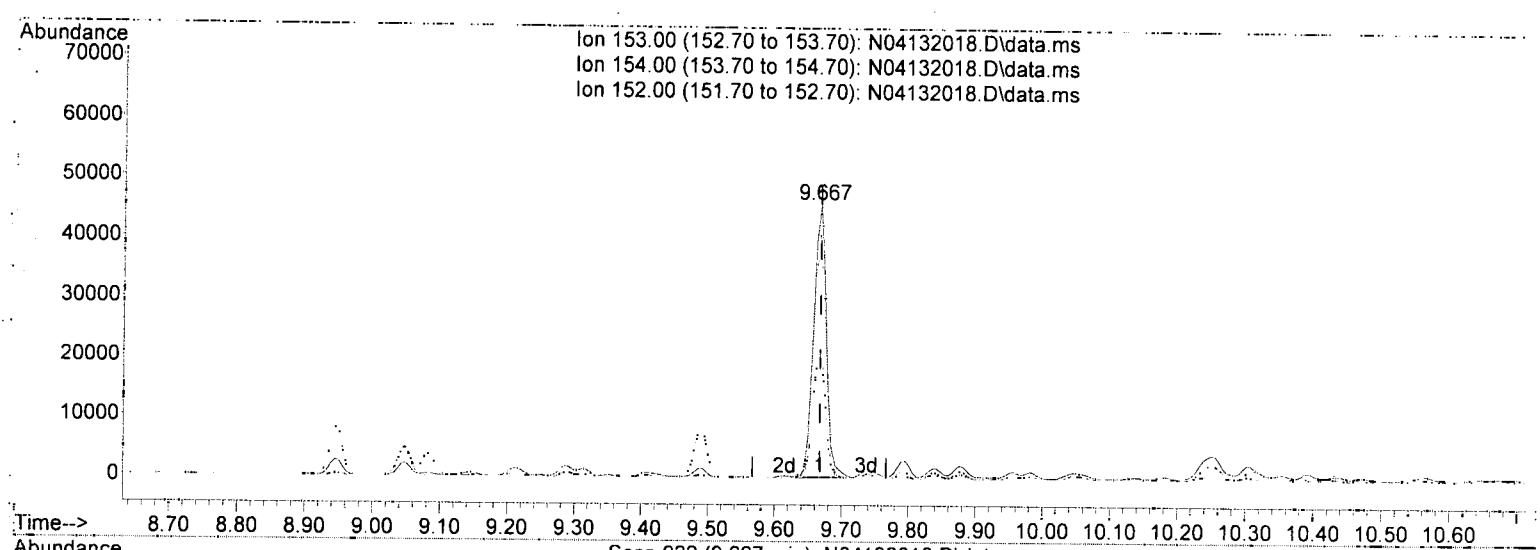
| response | 11013 |
|----------|---------------|
| Ion | Exp% Act% |
| 152.00 | 100.00 100.00 |
| 153.00 | 12.70 18.83 |
| 151.00 | 19.30 22.88 |
| 0.00 | 0.00 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132018.D\data.ms

(12) Acenaphthene (T)

9.667min (0.000) 25.25 ng/ml

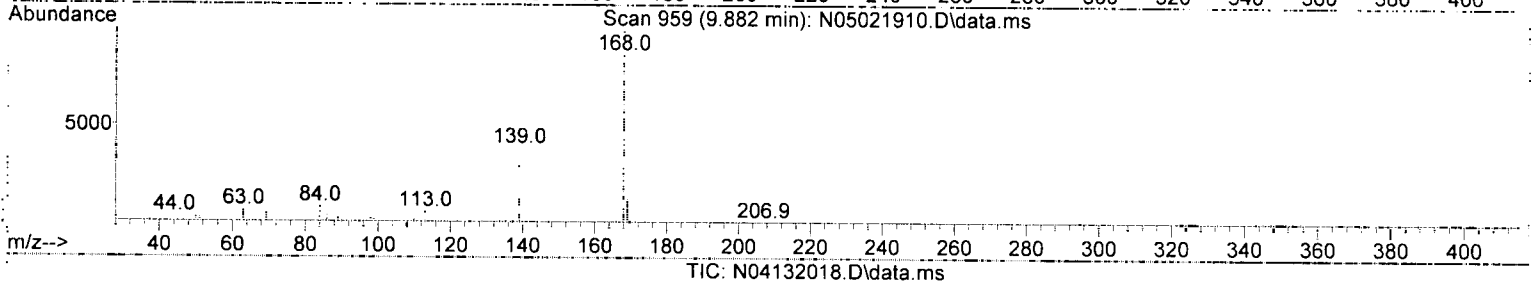
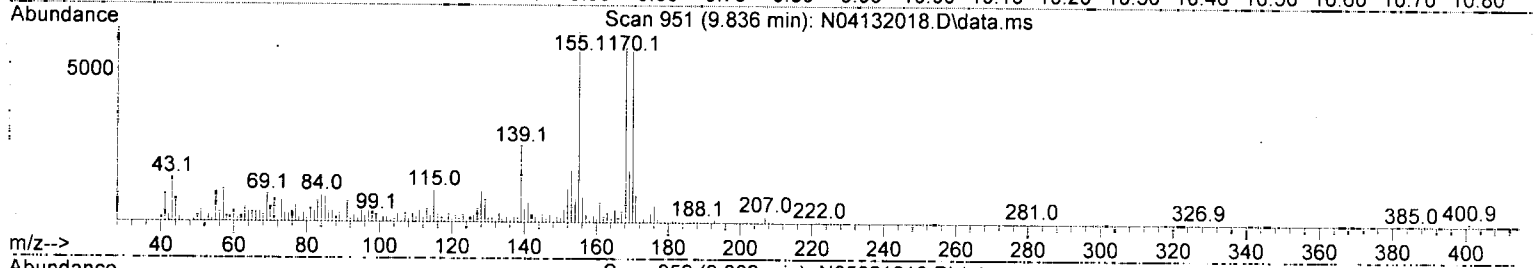
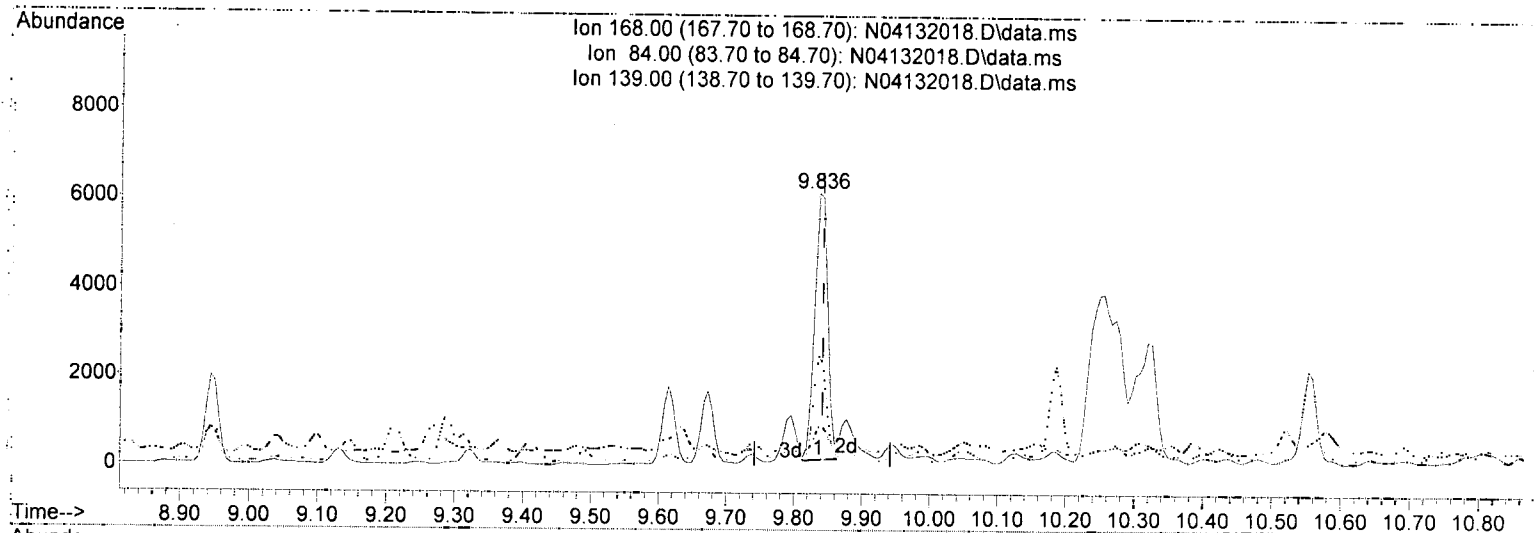
response 61074

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 89.05 |
| 152.00 | 46.80 | 46.22 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(13) Dibenzofuran (T)

9.836min (-0.006) 2.76 ng/ml

response 8086

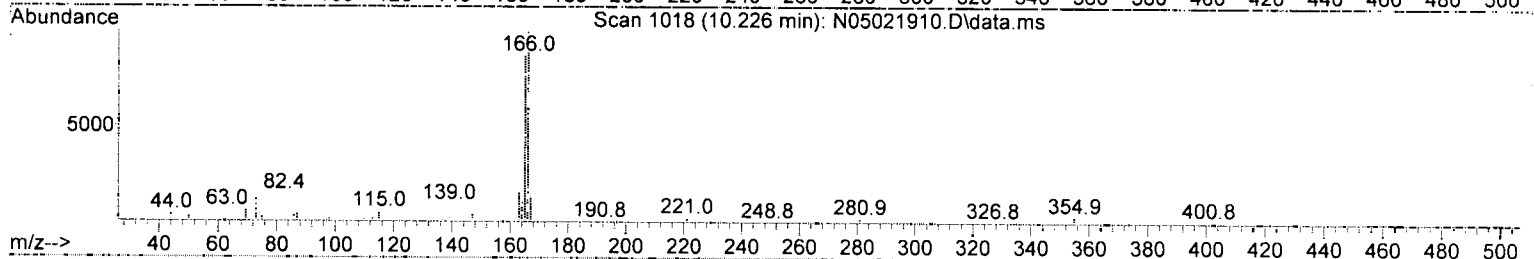
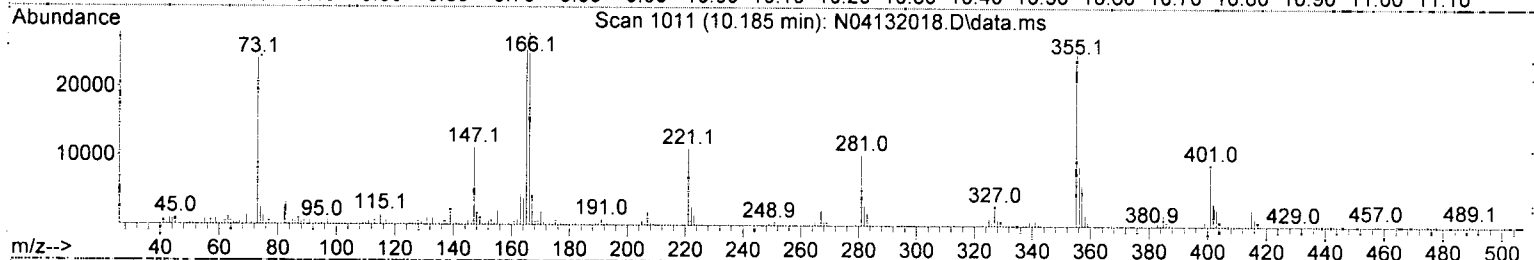
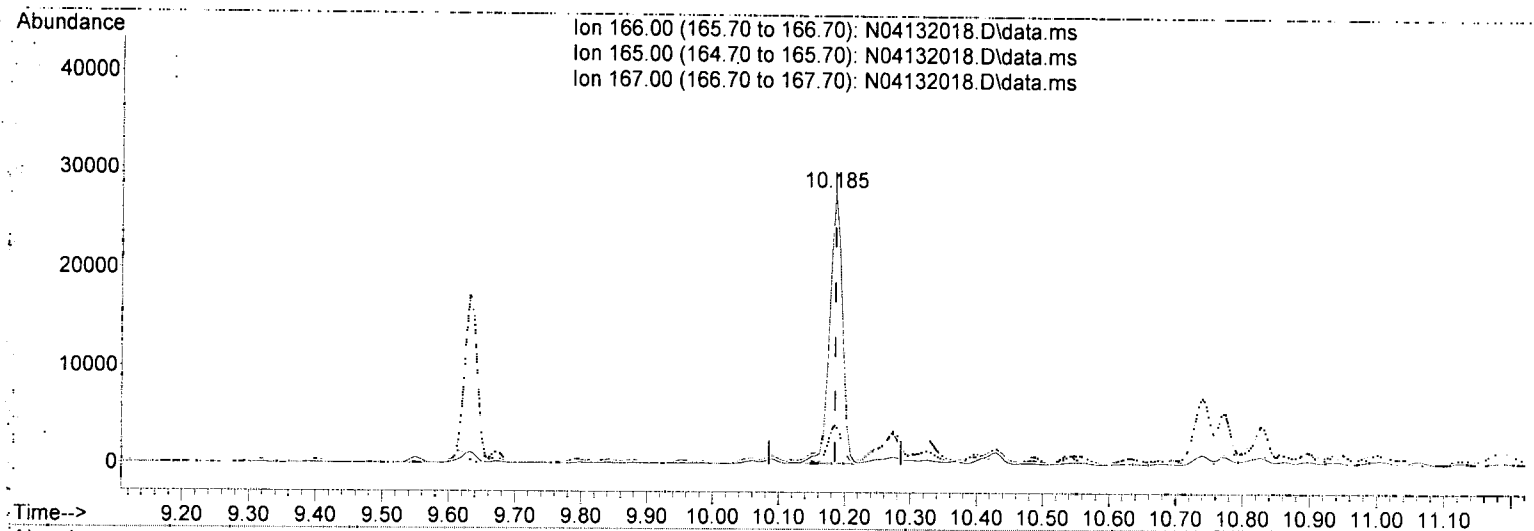
| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 14.63 |
| 139.00 | 38.40 | 40.82 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132018.D\data.ms

(15) Fluorene (T)

10.185min (0.000) 16.01 ng/ml

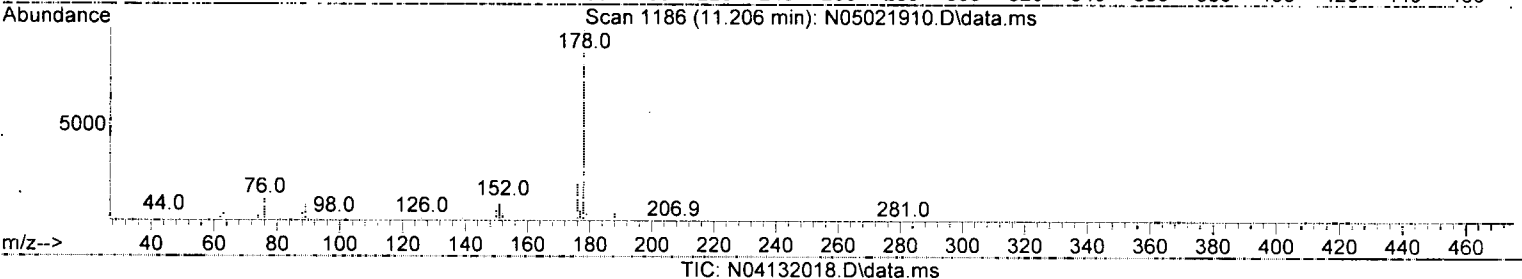
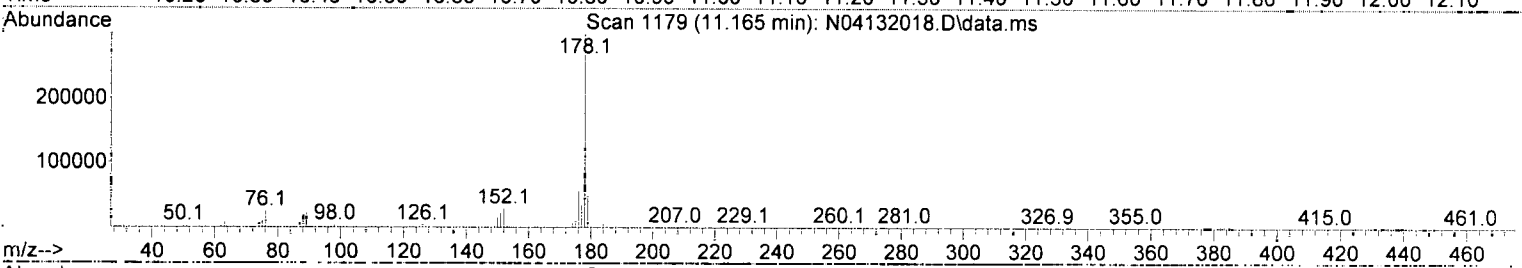
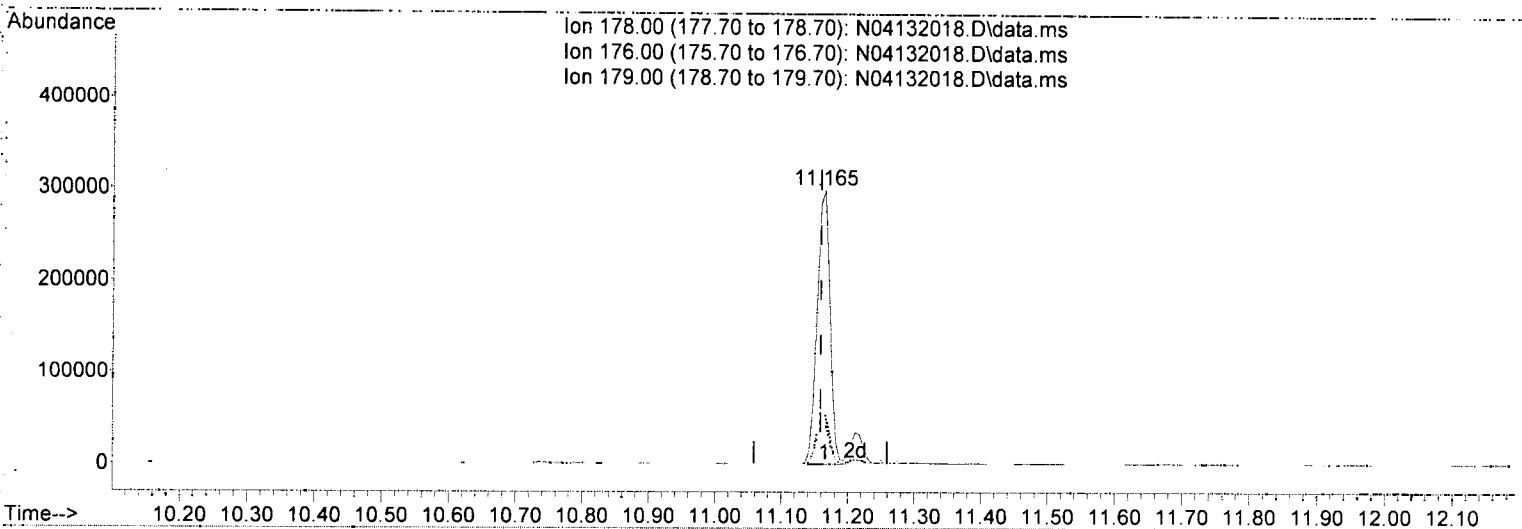
response 37243

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 93.98 |
| 167.00 | 13.60 | 14.96 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.165min (+ 0.006) 101.54 ng/ml

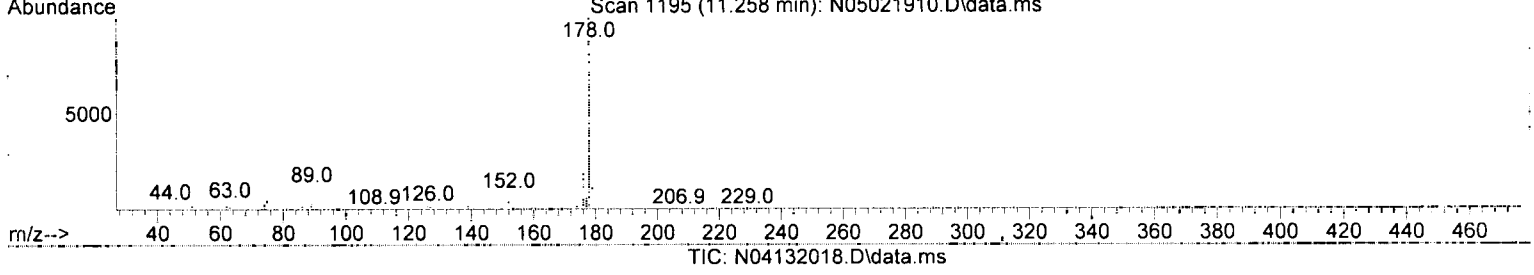
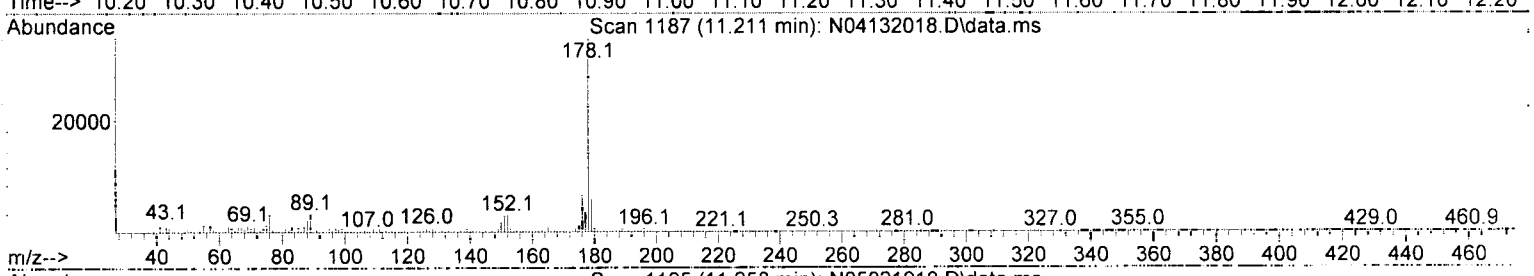
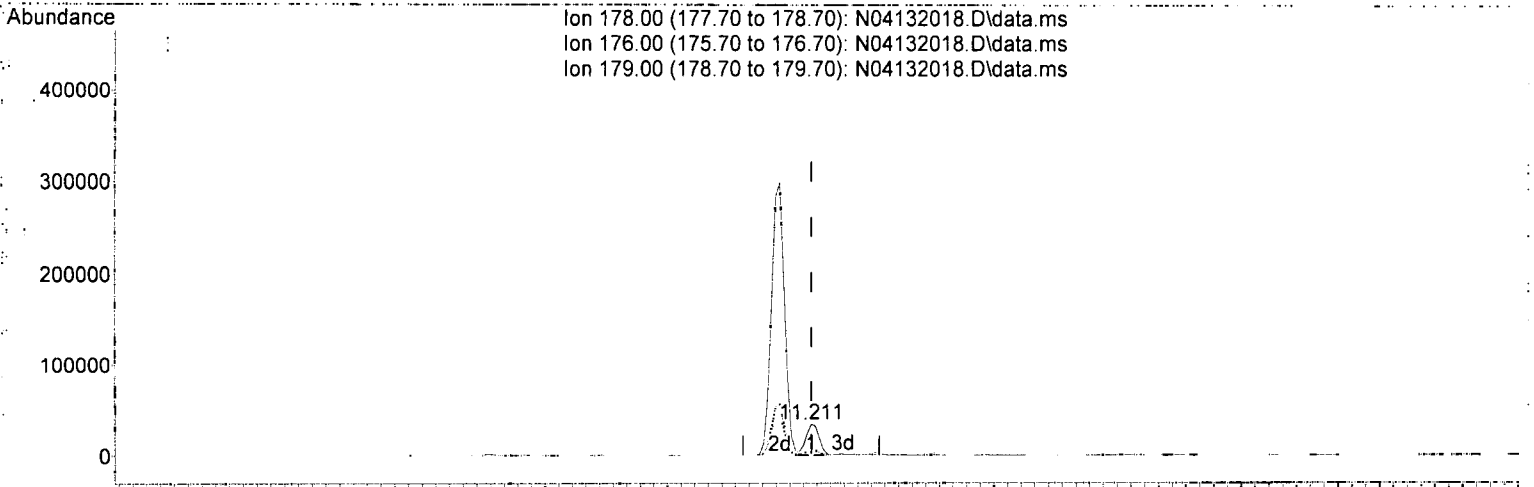
response 403314

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.81 |
| 179.00 | 15.10 | 15.52 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.211min (0.000) 13.58 ng/ml

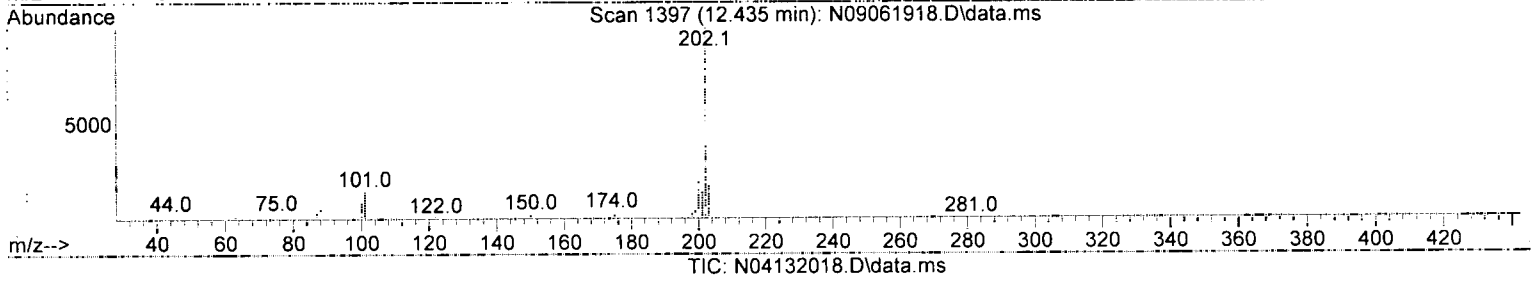
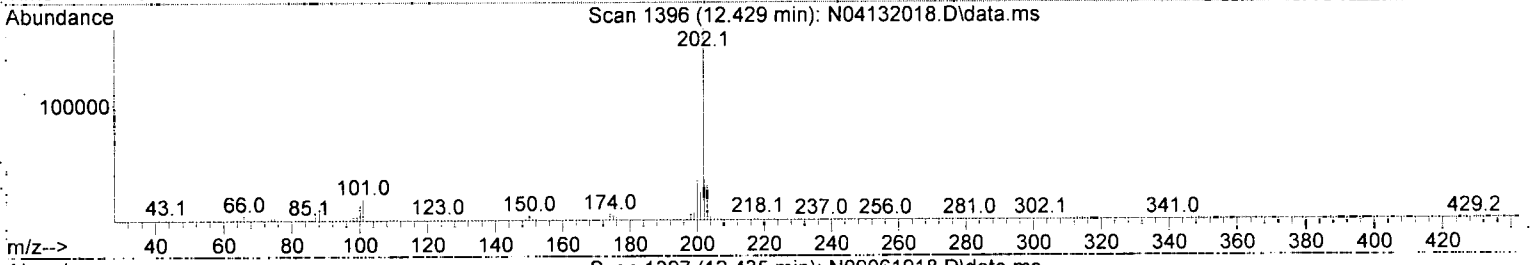
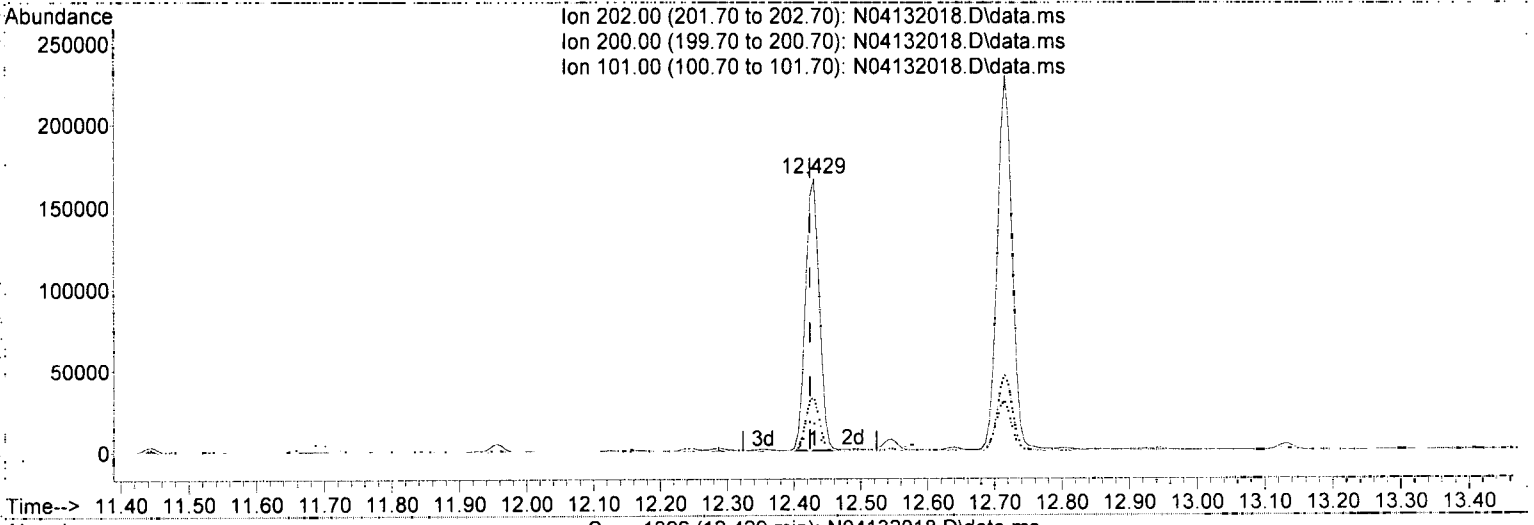
response 44162

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.51 |
| 179.00 | 15.30 | 17.15 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.429min (+ 0.006) 61.13 ng/ml

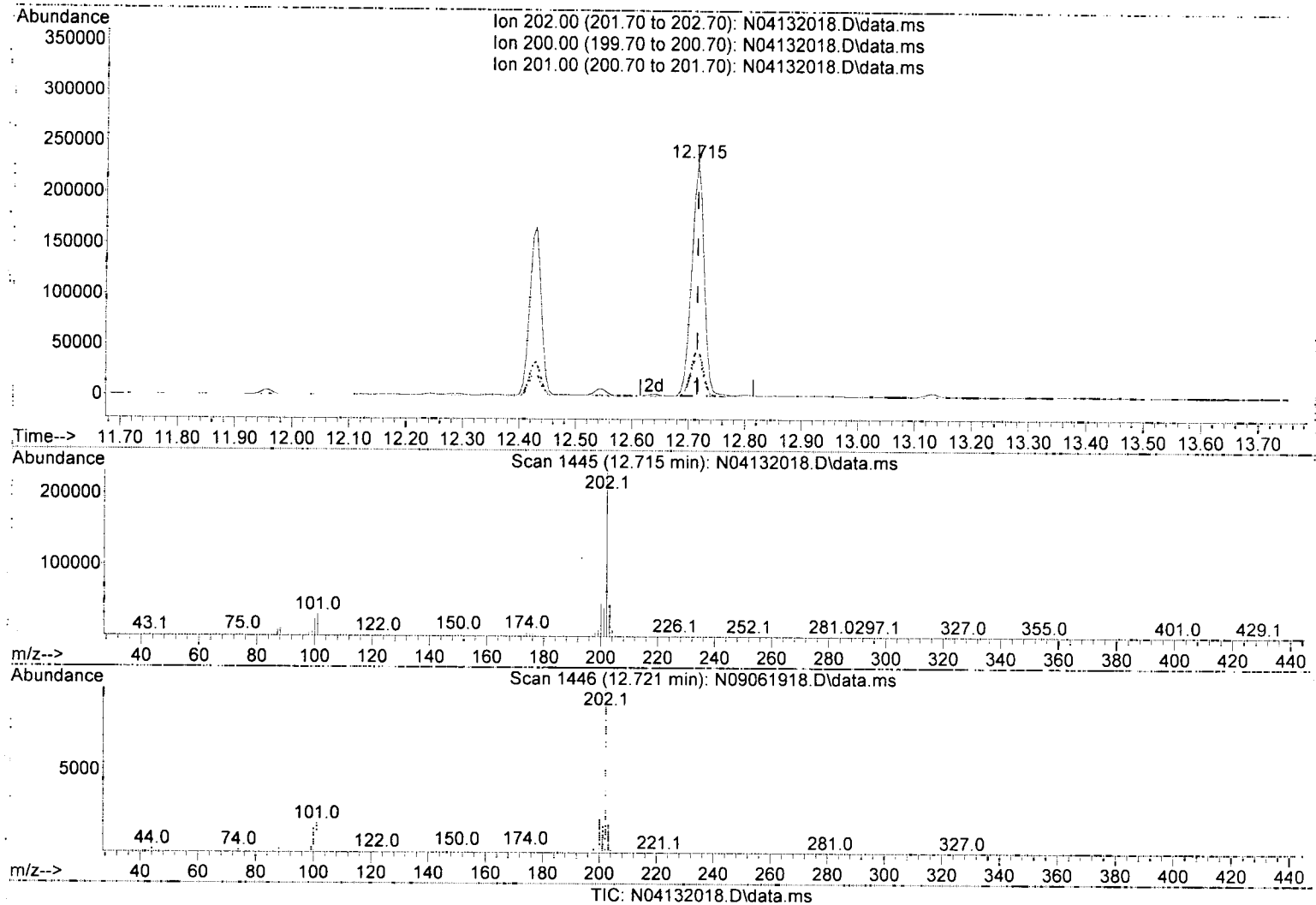
response 239286

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 20.13 |
| 101.00 | 15.30 | 11.05 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.715min (0.000) 73.90 ng/ml

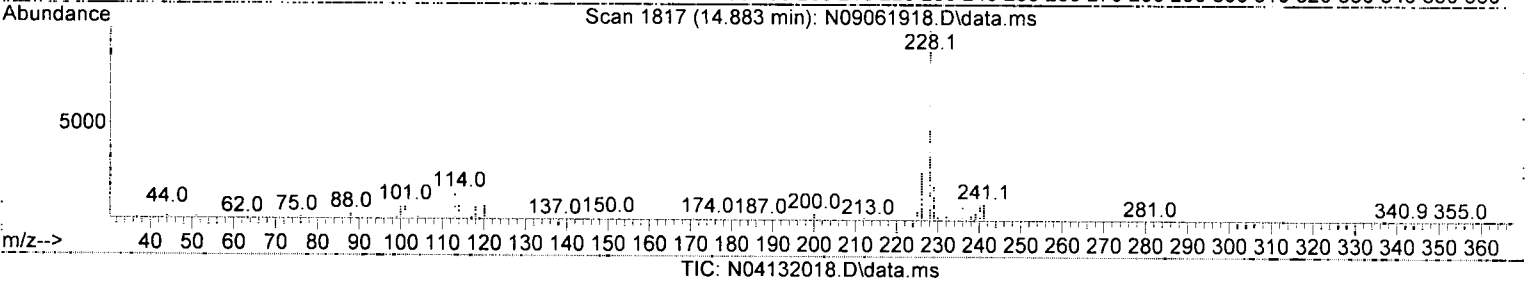
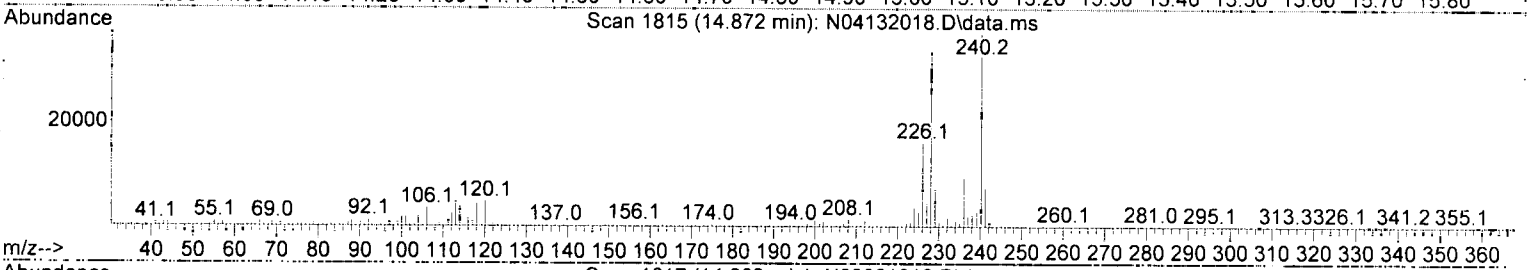
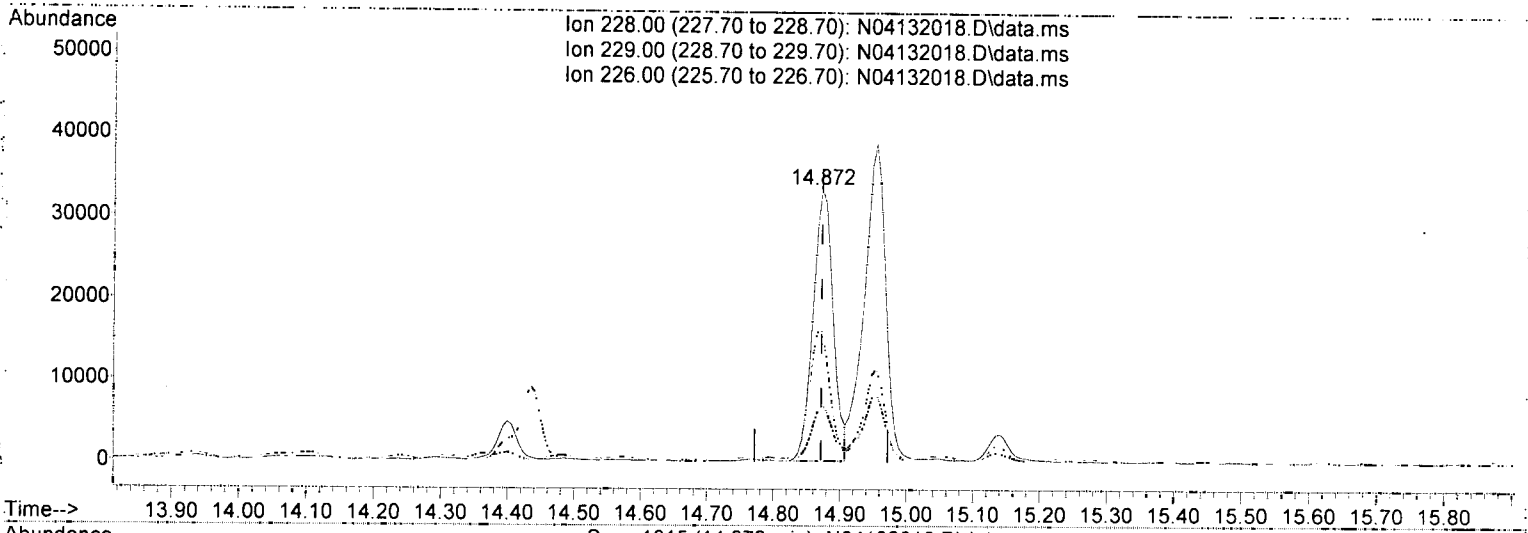
response 352806

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.28 |
| 201.00 | 16.80 | 17.46 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.872min (0.000) 18.34 ng/ml

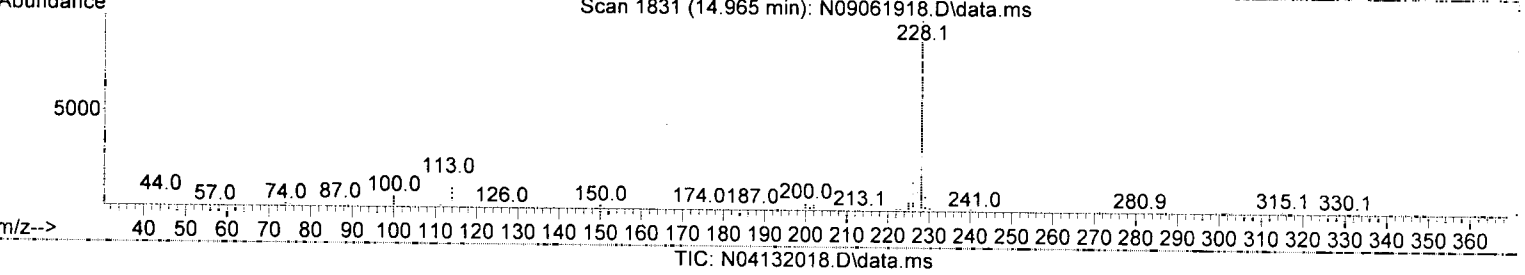
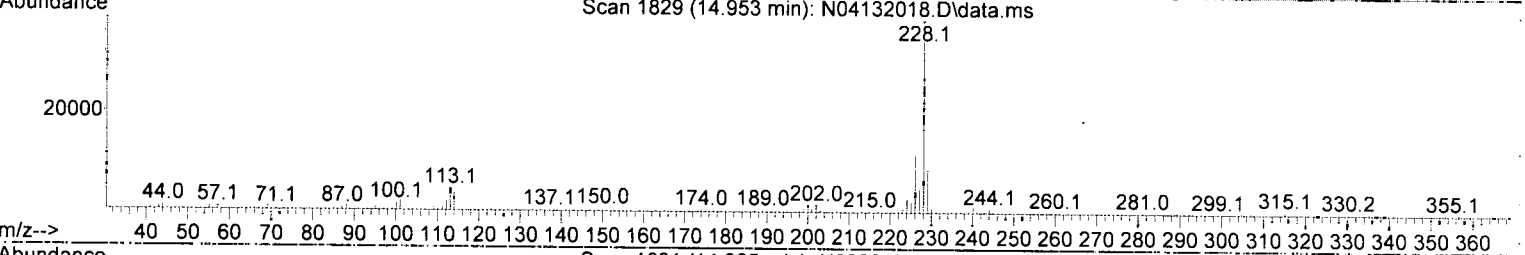
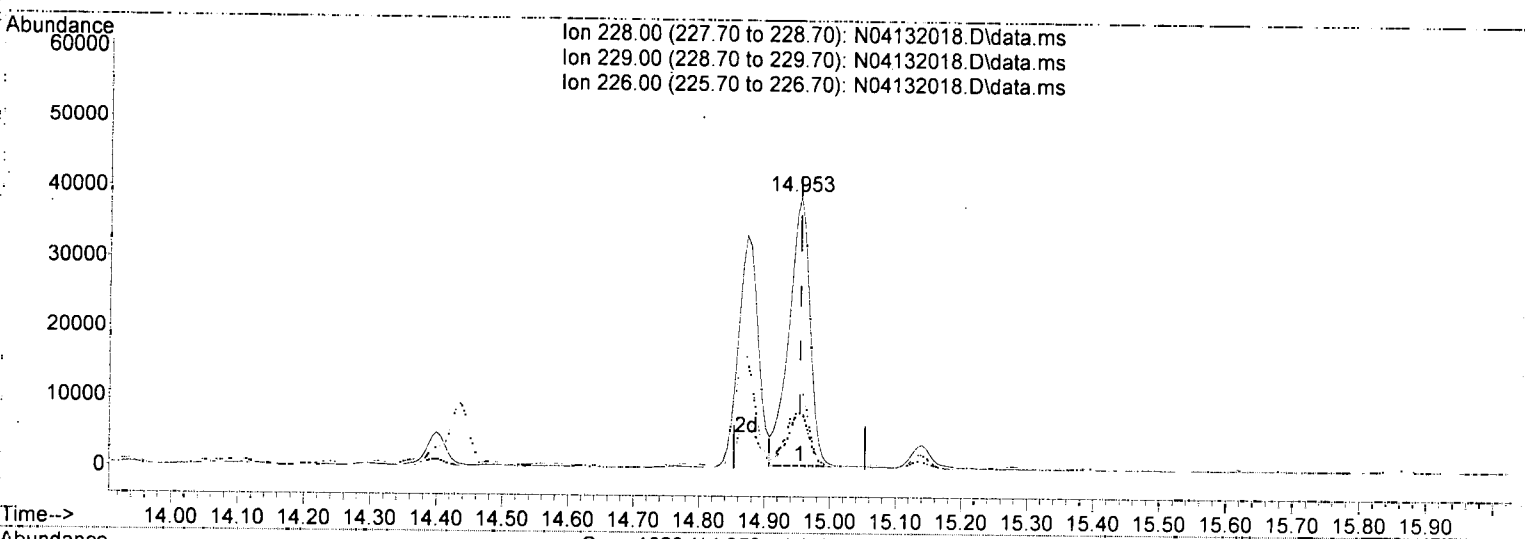
response 69997

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.40 | 20.87 |
| 226.00 | 26.20 | 47.95 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(27) Chrysene (T)

14.953min (0.000) 21.95 ng/ml

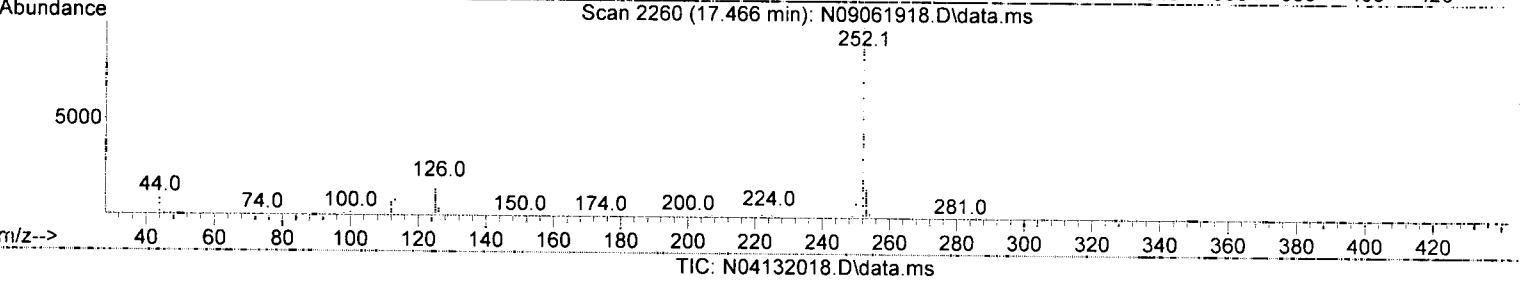
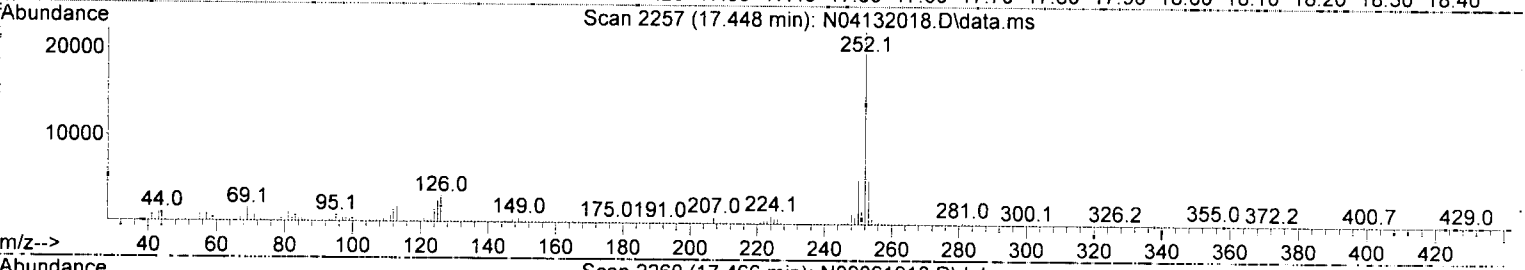
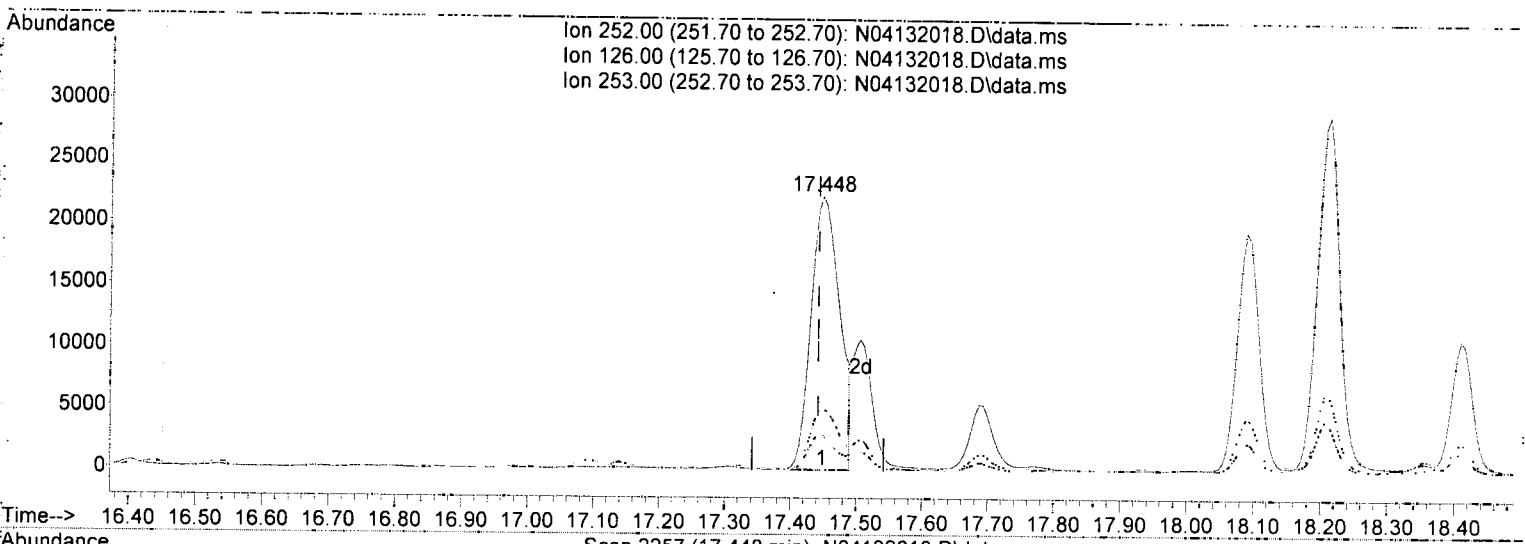
response 86159

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 21.59 |
| 226.00 | 28.60 | 29.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1.

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(29) Benzo(b)fluoranthene (T)

17.448min (+ 0.006) 17.09 ng/ml

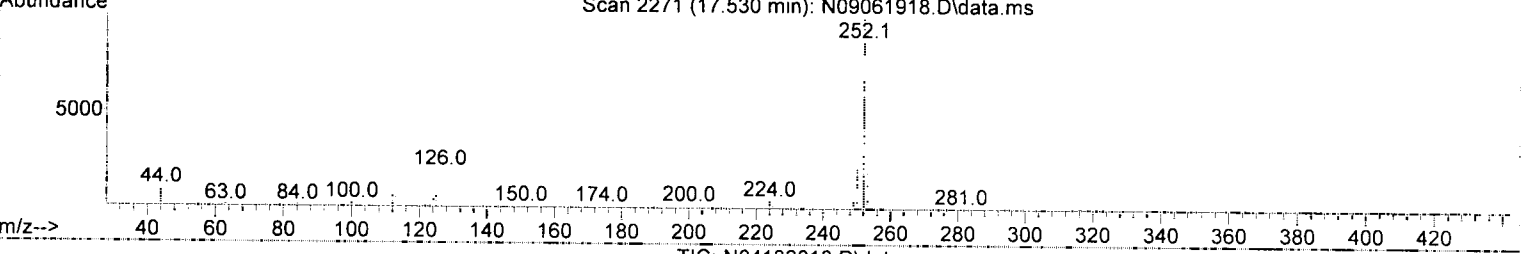
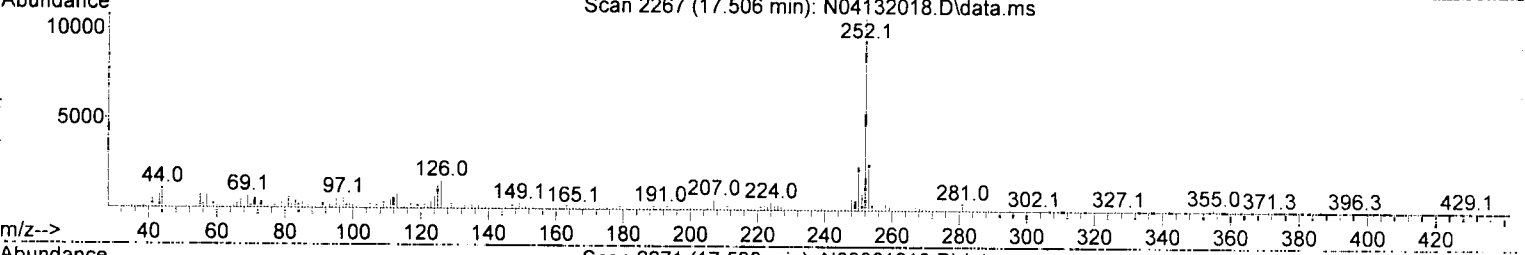
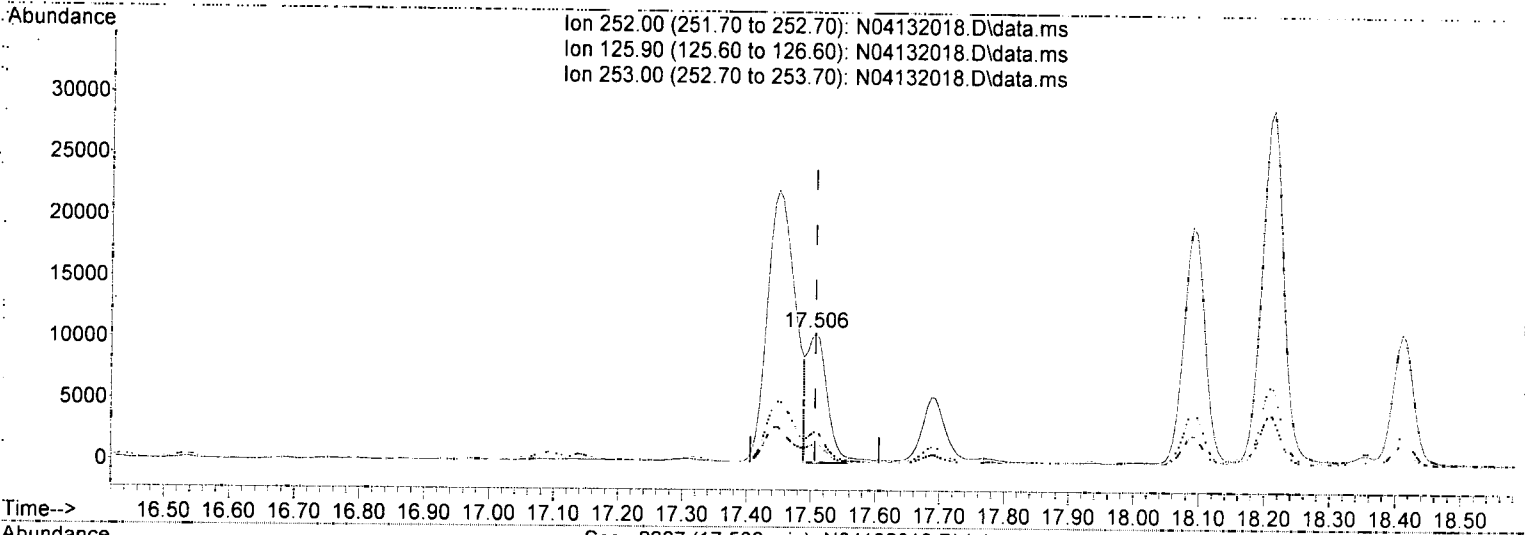
response 67372

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 13.28 |
| 253.00 | 21.10 | 22.62 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.506min (0.000) 5.64 ng/ml m

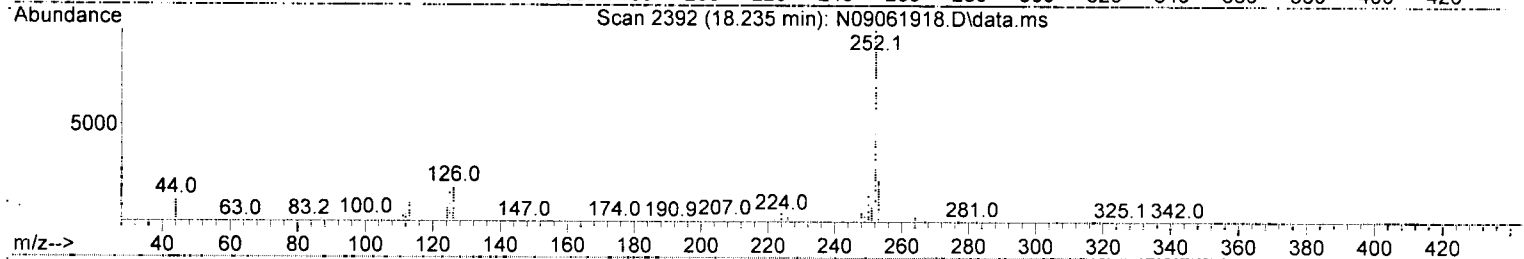
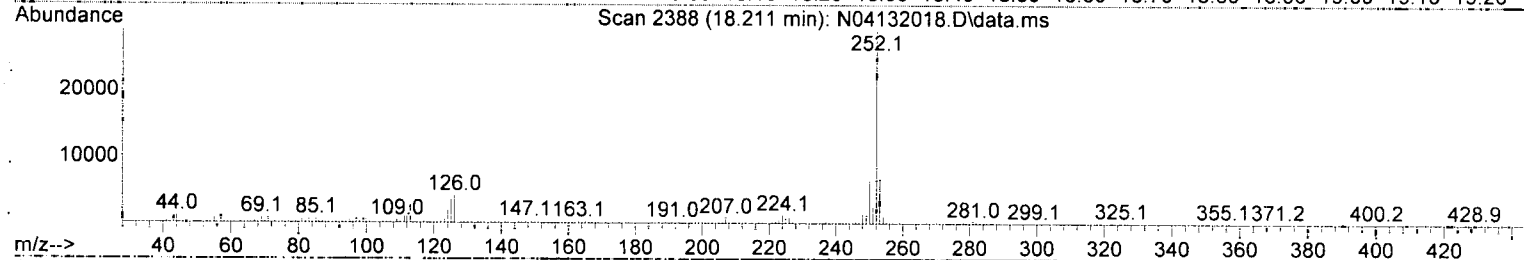
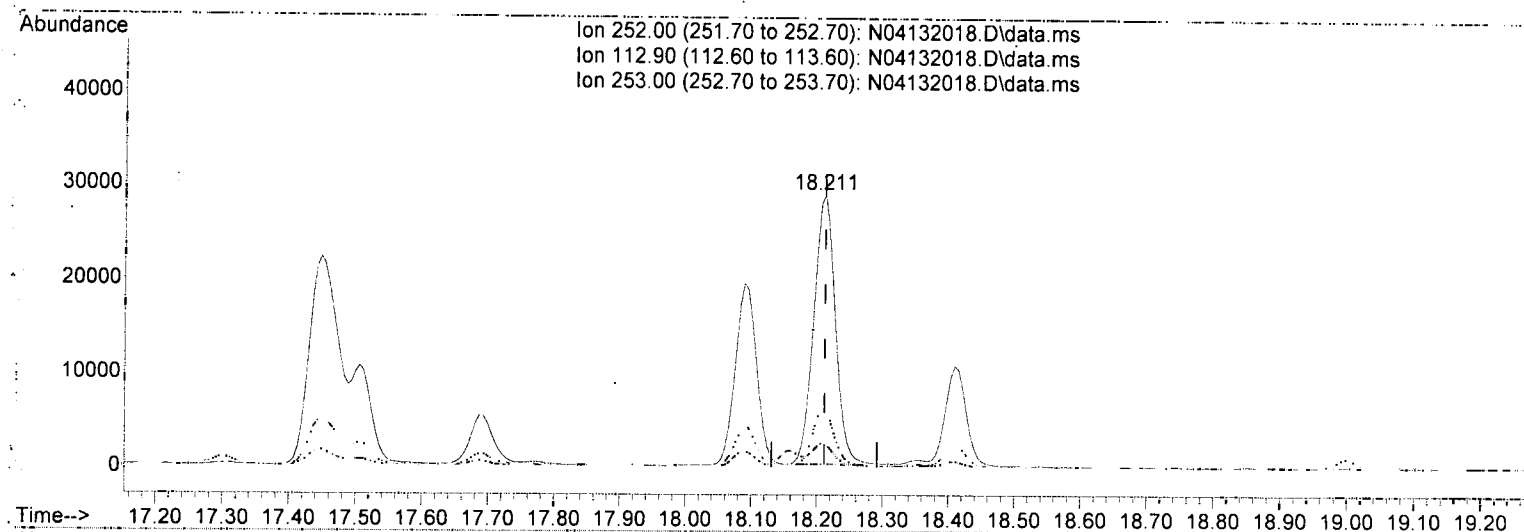
| response | Ion | Exp% | Act% |
|----------|--------|--------|--------|
| 22188 | 252.00 | 100.00 | 100.00 |
| | 125.90 | 22.10 | 14.44 |
| | 253.00 | 21.50 | 23.88 |
| | 0.00 | 0.00 | 0.00 |

AMS
 4/14/20
 MOS ✓

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132018.D\data.ms

(33) Benzo(a)pyrene (T)

18.211min (0.000) 21.26 ng/ml

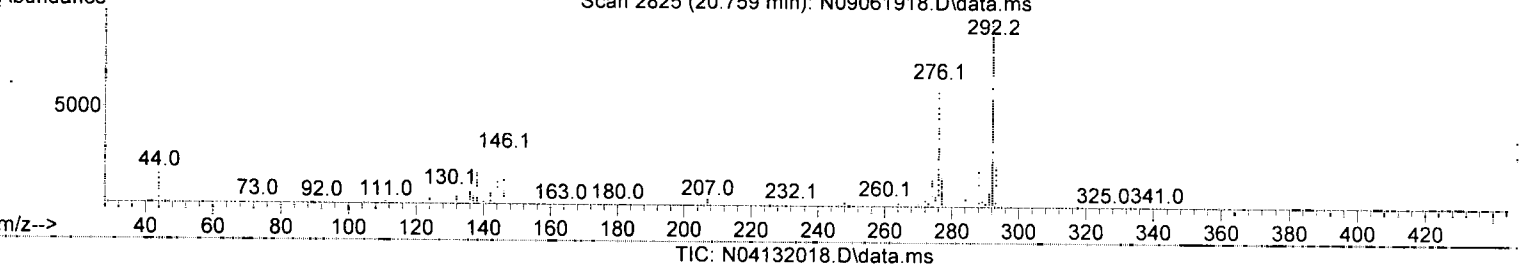
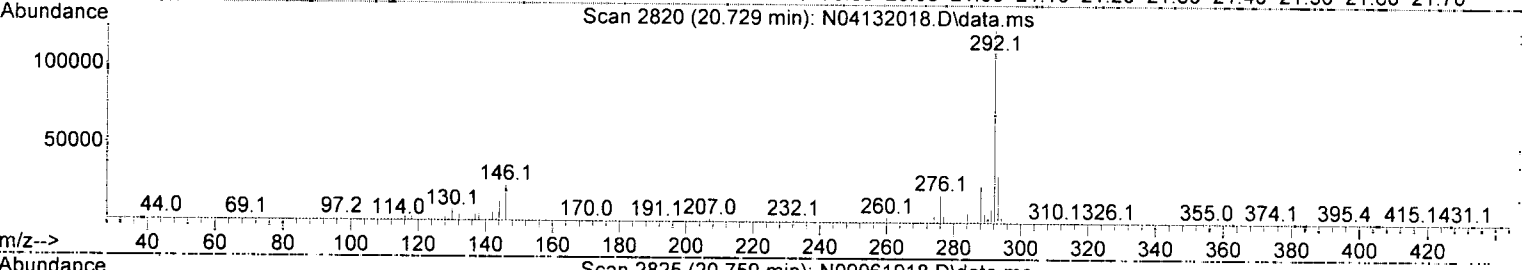
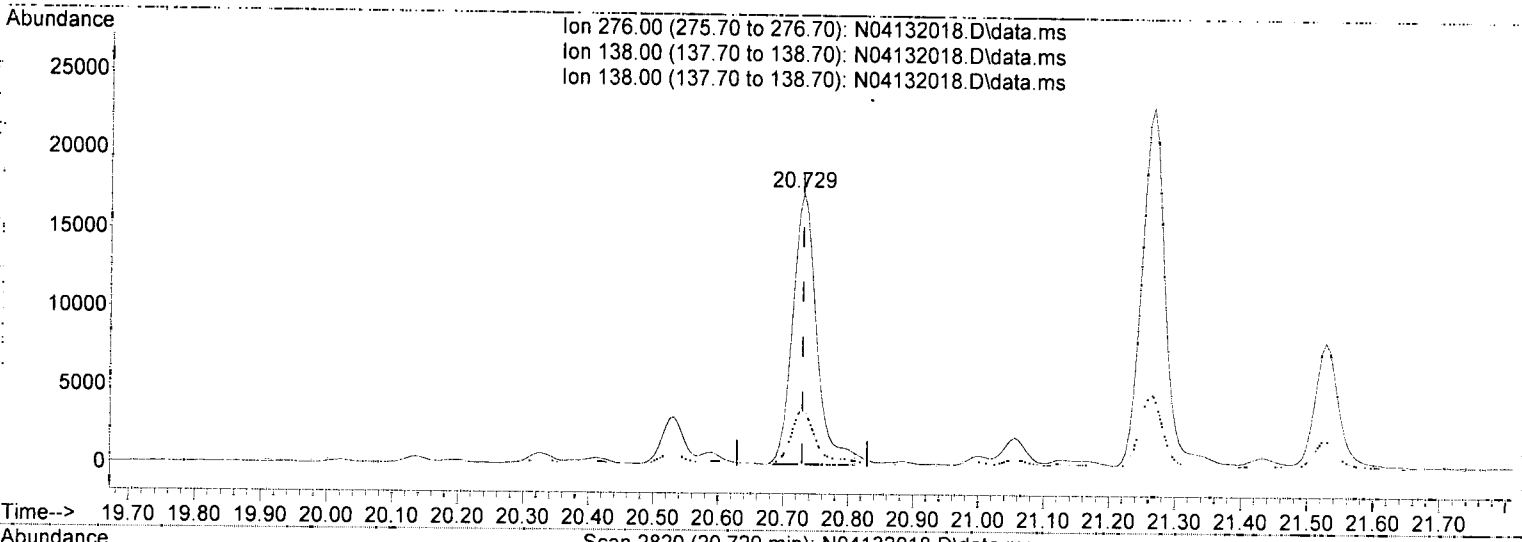
response 65637

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 9.00 |
| 253.00 | 21.90 | 22.50 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.729min (0.000) 12.89 ng/ml

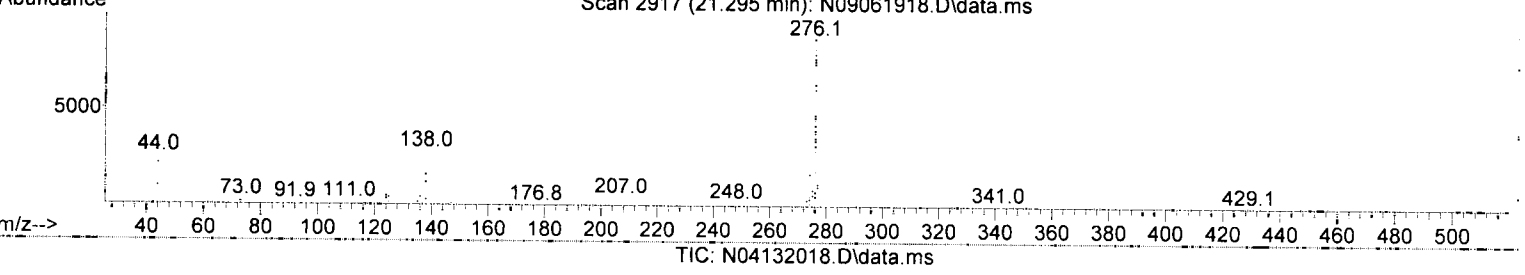
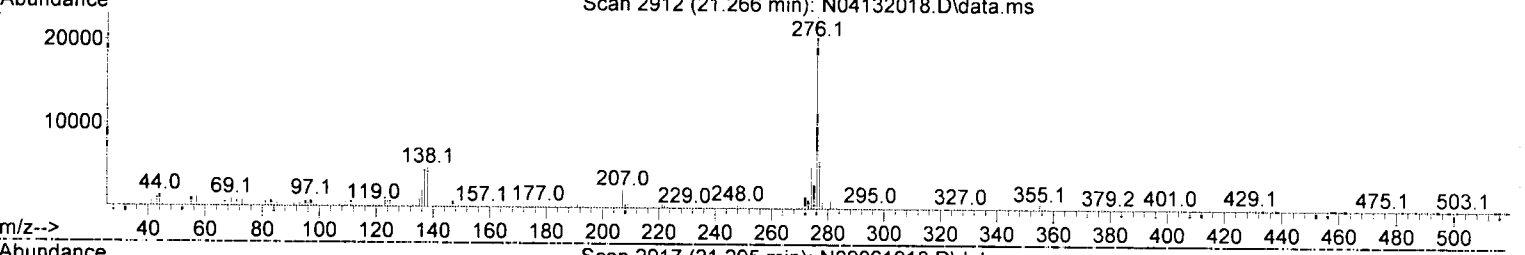
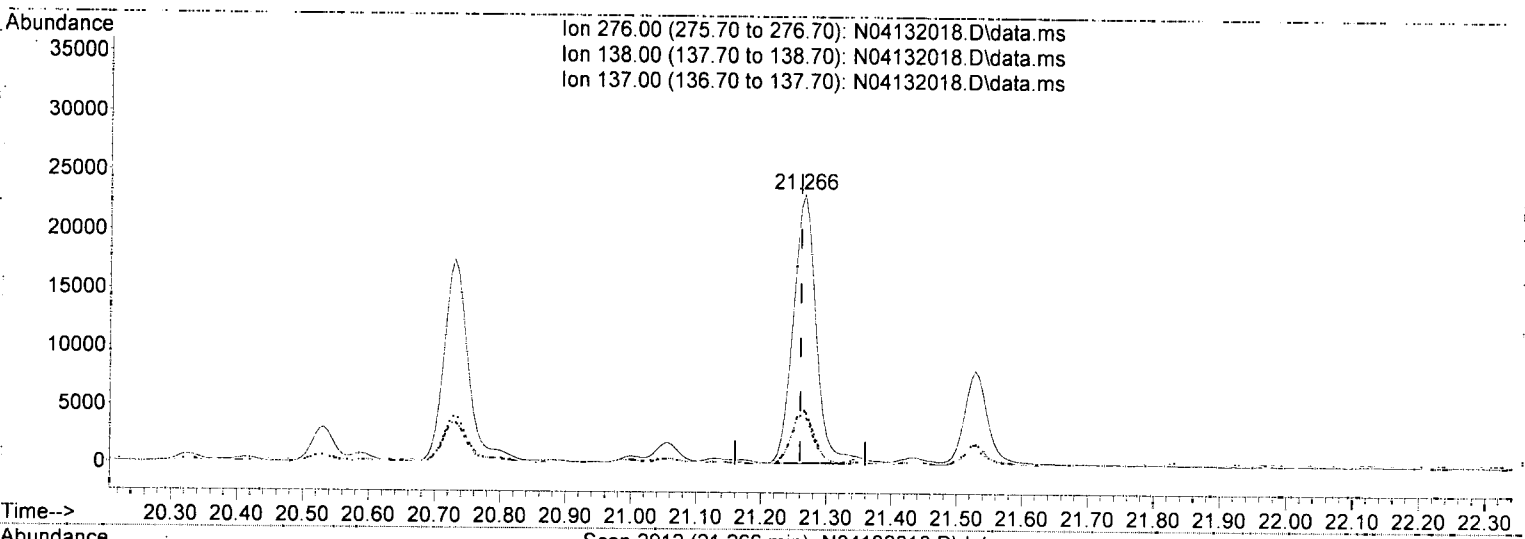
response 44402

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 31.60 | 20.57 |
| 138.00 | 31.60 | 20.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.266min (+ 0.006) 15.10 ng/ml

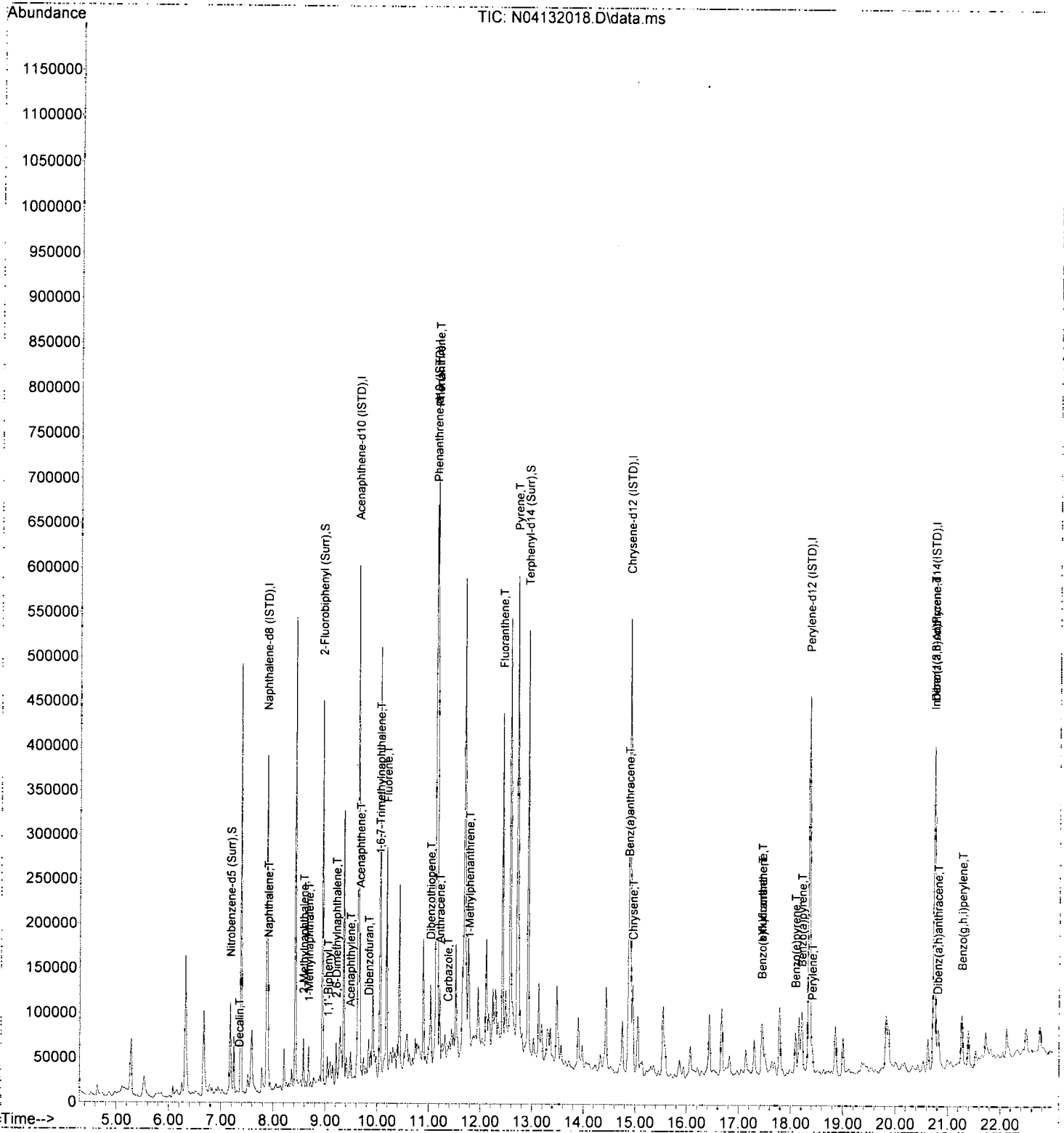
response 55797

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 20.38 |
| 137.00 | 28.60 | 18.80 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132018.D
 Acq On : 13 Apr 2020 05:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-08
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 13 18:22:07 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132019.D
 Acq On : 13 Apr 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-09
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 18 Sample Multiplier: 1

AMS
4/14/20

Quant Time: Apr 13 18:22:19 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration

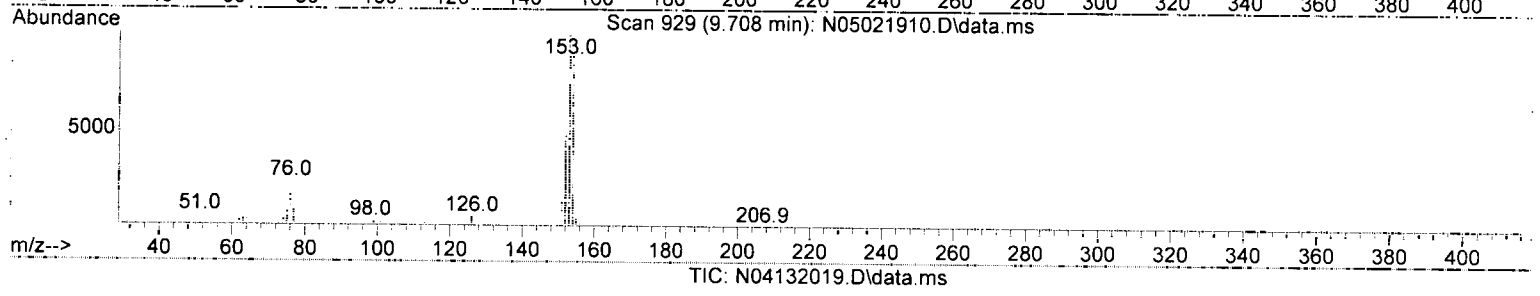
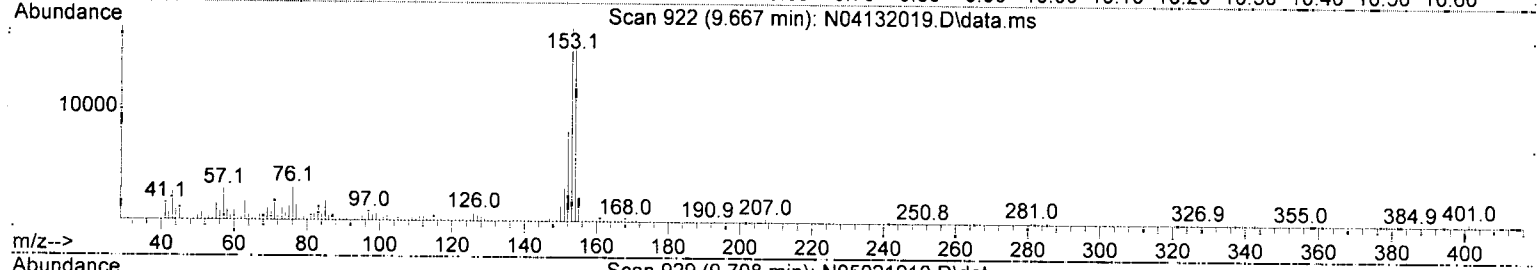
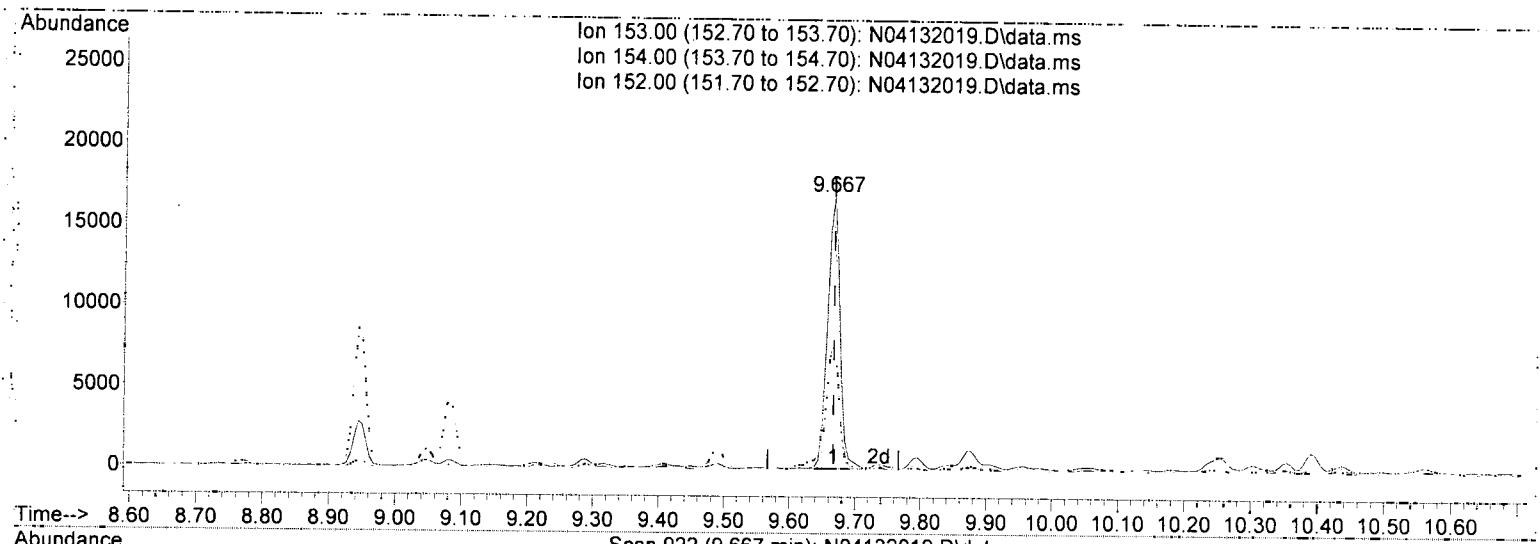
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|--------------------------------|--------|------|----------|--------|--------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 291516 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 184305 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.136 | 188 | 350094 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 330636 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 332457 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 272054 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 62321 | 68.43 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 216040 | 75.71 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 272958 | 85.44 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 7.347 | 138 | 180 | 0.77 | ng/ml# | 84 | |
| 4) Naphthalene | 7.901 | 128 | 5421 | 1.71 | ng/ml | 78 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 2872 | 1.35 | ng/ml | 96 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 3133 | 1.48 | ng/ml | 97 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1544 | 0.57 | ng/ml | 96 | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 2712 | 1.47 | ng/ml | 92 | |
| 11) Acenaphthylene | 9.492 | 152 | 1626 | 0.47 | ng/ml | 72 | |
| 12) Acenaphthene | 9.667 | 153 | 22570 | 8.95 | ng/ml | 99 | |
| 13) Dibenzofuran | 9.836 | 168 | 817 | N.D. | | | |
| 14) 1,6,7-Trimethylnaphtha... | 10.051 | 170 | 1386 | 0.70 | ng/ml# | 1 | |
| 15) Fluorene | 10.185 | 166 | 3206 | 1.32 | ng/ml | 97 | |
| 17) Dibenzothiopene | 11.036 | 184 | 4405 | 1.25 | ng/ml | 97 | |
| 18) Phenanthrene | 11.165 | 178 | 29216 | 7.25 | ng/ml | 98 | |
| 19) Anthracene | 11.211 | 178 | 2197 | 0.67 | ng/ml | 88 | |
| 20) Carbazole | 11.369 | 167 | 849 | N.D. | | | |
| 21) 1-Methylphenanthrene | 11.783 | 192 | 1007 | N.D. | | | |
| 22) Fluoranthene | 12.424 | 202 | 9214 | 2.32 | ng/ml | 97 | |
| 24) Pyrene | 12.715 | 202 | 14923 | 3.48 | ng/ml | 98 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 3322 | 0.97 | ng/ml# | 58 | |
| 27) Chrysene | 14.947 | 228 | 3225 | 0.91 | ng/ml | 93 | |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 2940 | 0.86 | ng/ml | 89 | |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 3794 | 1.11 | ng/ml | 88 | |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 3974 | 1.10 | ng/ml | 88 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 2102 | 0.58 | ng/ml | 94 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 2345 | 1.18 | ng/ml | 85 | |
| 34) Perylene | 18.410 | 252 | 5972 | 1.61 | ng/ml | 98 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 2017 | 0.68 | ng/ml | 57 | |
| 37) Dibenz(a,h)anthracene | 20.799 | 278 | 365 | N.D. | | | |
| 38) Benzo(g,h,i)perylene | 21.260 | 276 | 2285 | 0.72 | ng/ml | 91 | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132019.D
 Acq On : 13 Apr 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-09
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 13 18:22:19 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132019.D\data.ms

(12) Acenaphthene (T)

9.667min (0.000) 8.95 ng/ml

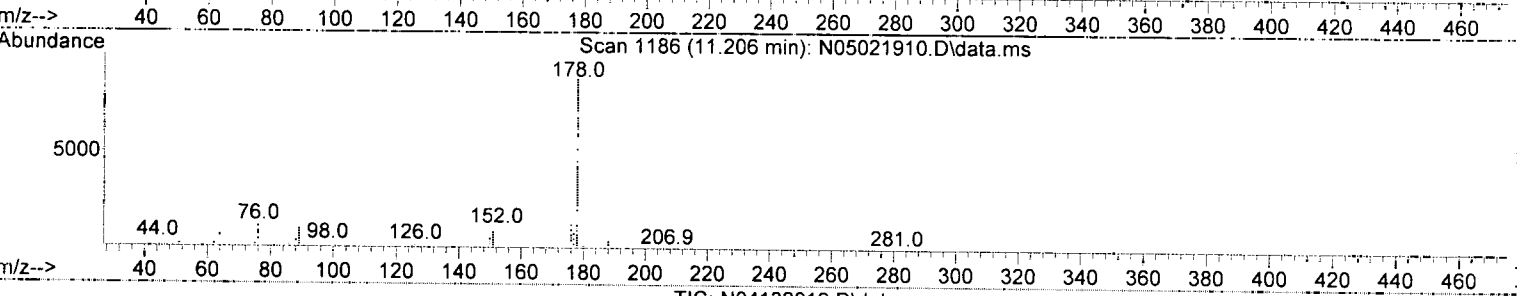
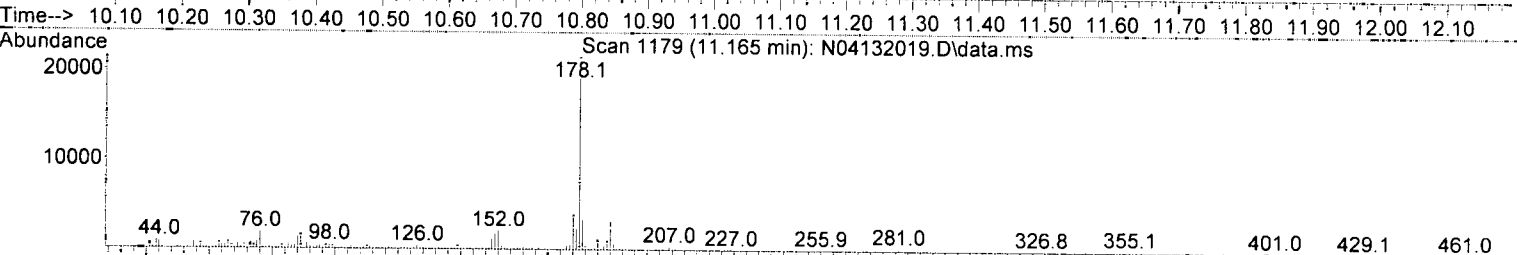
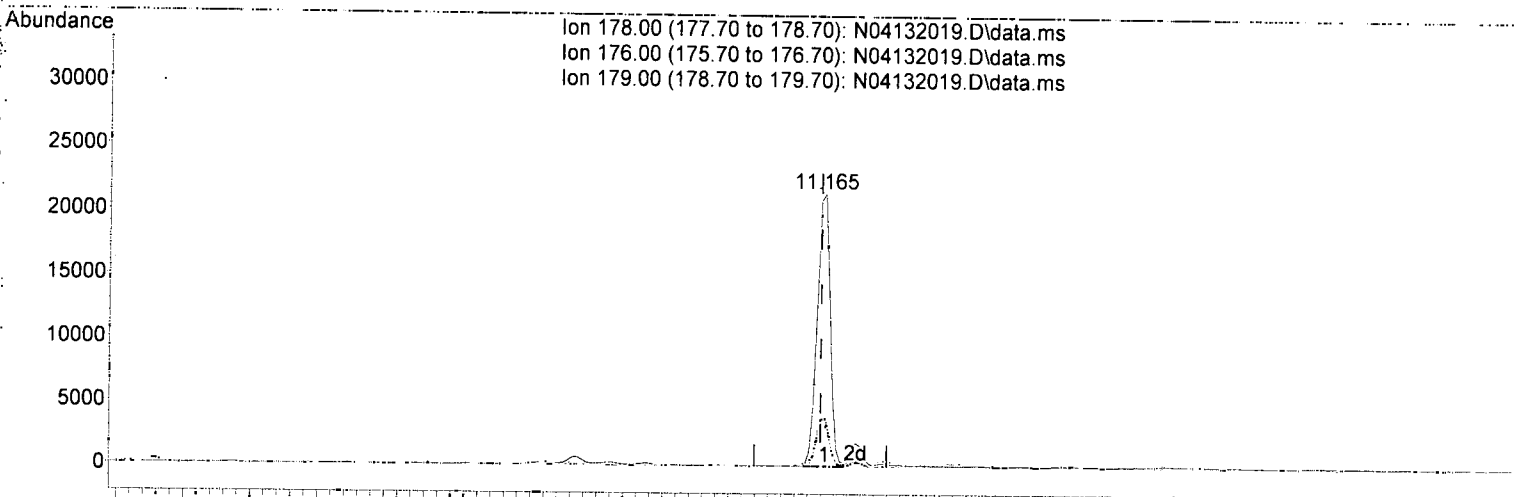
response 22570

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 89.70 |
| 152.00 | 46.80 | 46.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132019.D
 Acq On : 13 Apr 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-09
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 13 18:22:19 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132019.D\data.ms

(18) Phenanthrene (T)

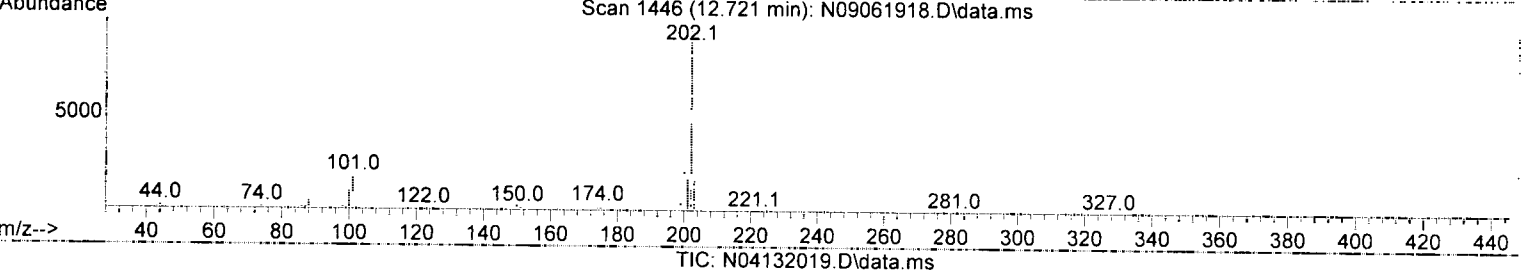
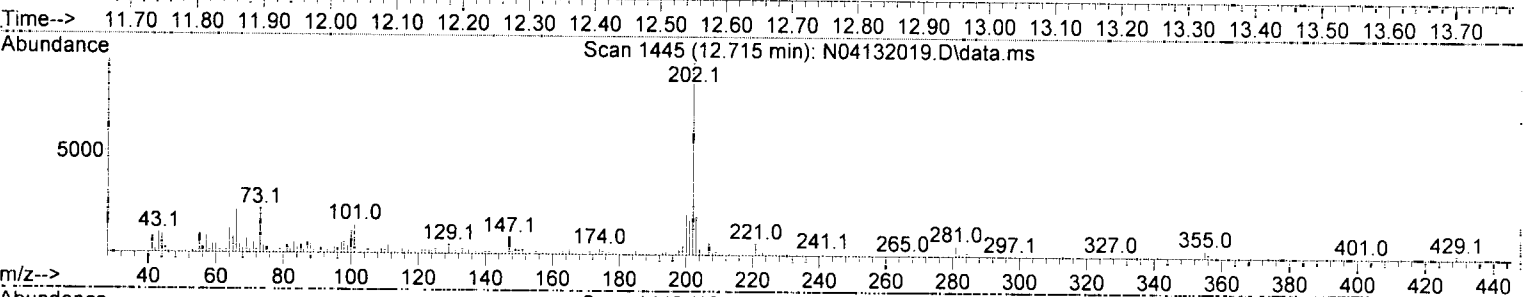
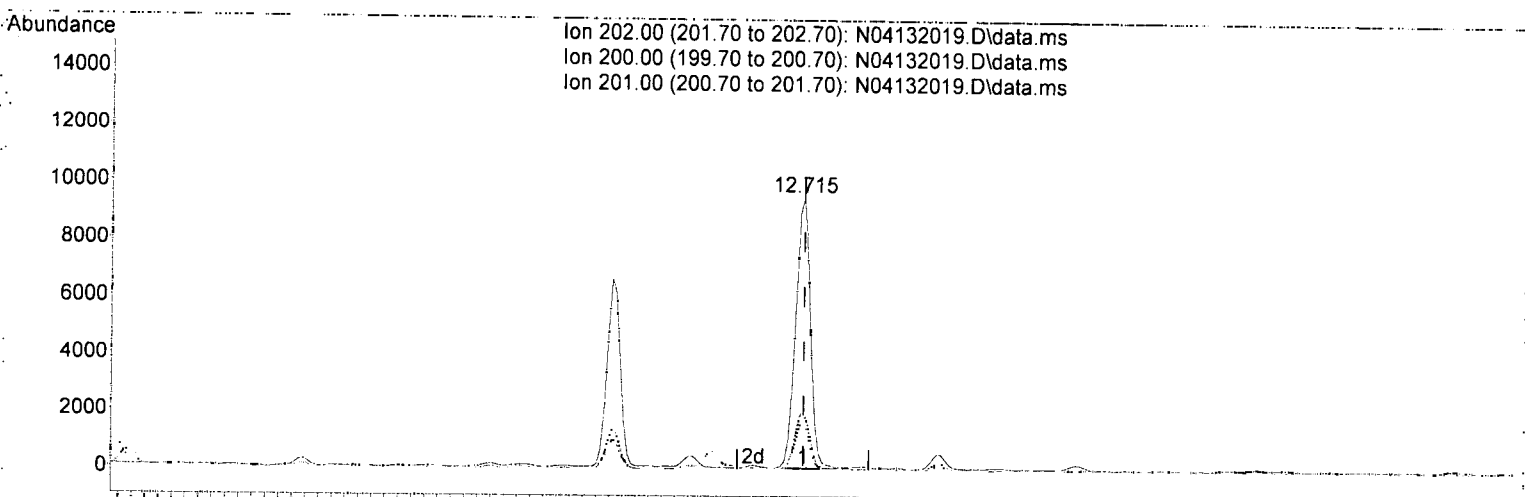
11.165min (+ 0.006) 7.25 ng/ml

| response | 29216 |
|----------|---------------|
| Ion | Exp% Act% |
| 178.00 | 100.00 100.00 |
| 176.00 | 19.00 18.28 |
| 179.00 | 15.10 15.89 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132019.D
 Acq On : 13 Apr 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-09
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 13 18:22:19 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



J

(24) Pyrene (T)

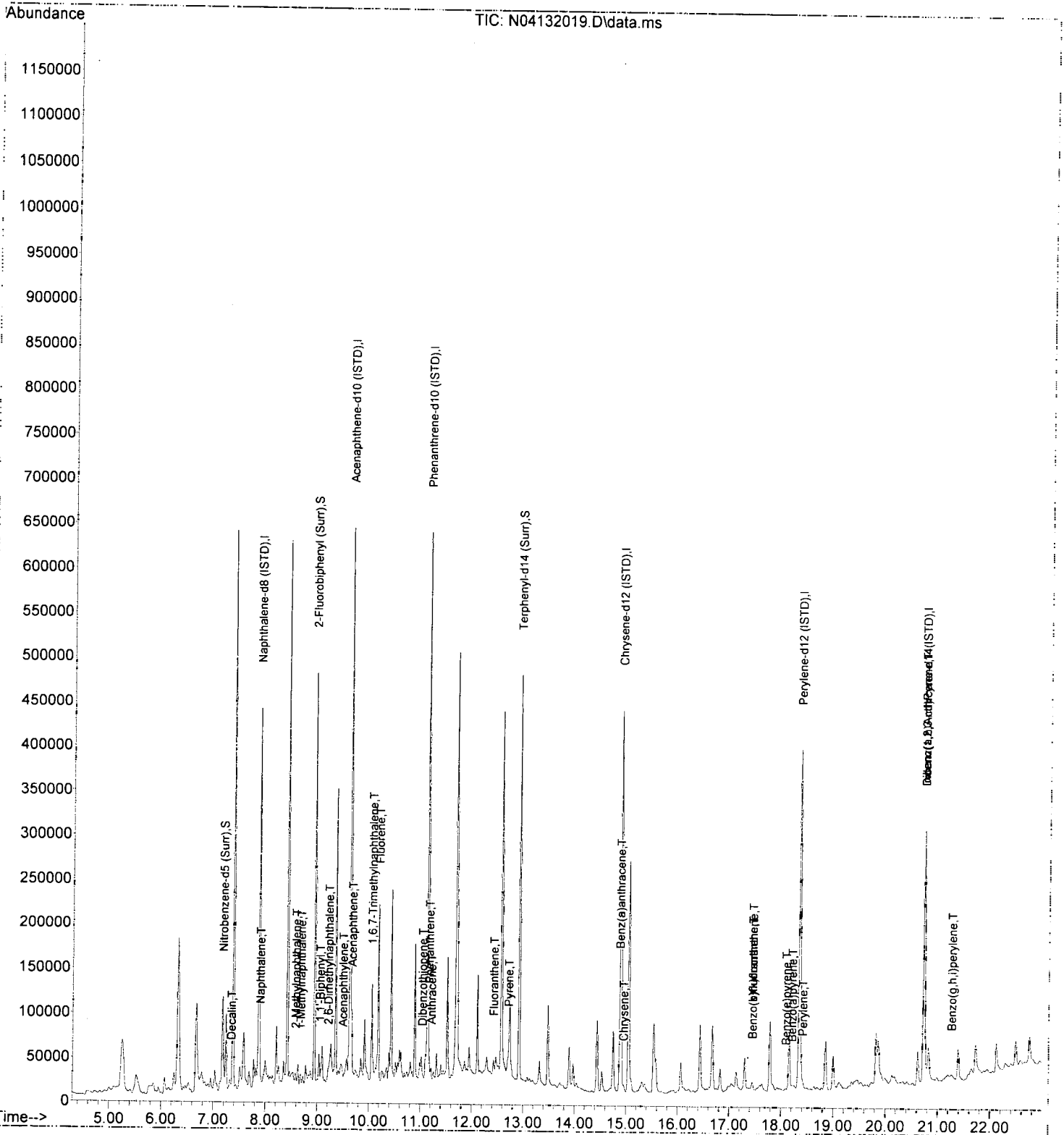
12.715min (0.000) 3.48 ng/ml

| response | 14923 |
|----------|---------------|
| Ion | Exp% Act% |
| 202.00 | 100.00 100.00 |
| 200.00 | 20.70 21.18 |
| 201.00 | 16.80 17.89 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132019.D
 Acq On : 13 Apr 2020 05:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-09
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 13 18:22:19 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
4/14/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.877 | 136 | 275517 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (ISTD) | 9.632 | 162 | 173526 | 100.00 | ng/ml | 0.00 | |
| 16) Phenanthrene-d10 (ISTD) | 11.135 | 188 | 331898 | 100.00 | ng/ml | 0.00 | |
| 23) Chrysene-d12 (ISTD) | 14.895 | 240 | 325345 | 100.00 | ng/ml | 0.00 | |
| 28) Perylene-d12 (ISTD) | 18.351 | 264 | 332773 | 100.00 | ng/ml | 0.00 | |
| 35) Dibenz(a,h)Anthracene-d... | 20.729 | 292 | 273317 | 100.00 | ng/ml | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 2) Nitrobenzene-d5 (Surr) | 7.178 | 82 | 317 | 0.37 | ng/ml | 0.00 | |
| 10) 2-Fluorobiphenyl (Surr) | 8.944 | 172 | 882 | 0.33 | ng/ml | 0.00 | |
| 25) Terphenyl-d14 (Surr) | 12.919 | 244 | 1684 | 0.54 | ng/ml | 0.00 | |
| Target Compounds | | | | | | | |
| 3) Decalin | 0.000 | | 0 | | | | |
| 4) Naphthalene | 7.901 | 128 | 9654 | (3.22) | ng/ml | 98 | |
| 5) 2-Methylnaphthalene | 8.583 | 142 | 4184 | 2.08 | ng/ml | 97 | |
| 6) 1-Methylnaphthalene | 8.682 | 142 | 3092 | 1.55 | ng/ml | 98 | |
| 7) 1,1'-Biphenyl | 9.049 | 154 | 1307 | 0.51 | ng/ml | 86 | |
| 8) 2,6-Dimethylnaphthalene | 9.212 | 156 | 15495 | 8.89 | ng/ml | 95 | |
| 11) Acenaphthylene | 9.492 | 152 | 11025 | (3.41) | ng/ml | 94 | |
| 12) Acenaphthene | 9.667 | 153 | 88654 | 37.35 | ng/ml | 100 | |
| 13) Dibenzofuran | 9.836 | 168 | 48301 | 16.81 | ng/ml | 97 | |
| 14) 1,6,7-Trimethylnaphtha... | 10.046 | 170 | 8049 | 4.33 | ng/ml | 95 | |
| 15) Fluorene | 10.185 | 166 | 64473 | 28.25 | ng/ml | 100 | |
| 17) Dibenzothiopene | 11.031 | 184 | 29904 | 8.92 | ng/ml | 96 | |
| 18) Phenanthrene | 11.165 | 178 | 343644 | 89.95 | ng/ml | 99 | |
| 19) Anthracene | 11.211 | 178 | 59696 | 19.08 | ng/ml | 97 | |
| 20) Carbazole | 11.369 | 167 | 7598 | (2.81) | ng/ml | 96 | |
| 21) 1-Methylphenanthrene | 11.782 | 192 | 21258 | 8.25 | ng/ml | 96 | |
| 22) Fluoranthene | 12.424 | 202 | 174030 | 46.22 | ng/ml | 96 | |
| 24) Pyrene | 12.715 | 202 | 194199 | 46.02 | ng/ml | 99 | |
| 26) Benz(a)anthracene | 14.872 | 228 | 41382 | 12.27 | ng/ml | 83 | |
| 27) Chrysene | 14.953 | 228 | 48701 | 14.03 | ng/ml | 96 | |
| 29) Benzo(b)fluoranthene | 17.448 | 252 | 34730 | 10.10 | ng/ml | 91 | |
| 30) Benzo(k)fluoranthene | 17.448 | 252 | 43625 | 12.72 | ng/ml | 89 | |
| 31) Benzo(b+k)fluoranthene | 17.448 | 252 | 48760 | 13.48 | ng/ml | 89 | |
| 32) Benzo(e)pyrene | 18.089 | 252 | 22617 | 6.29 | ng/ml | 98 | |
| 33) Benzo(a)pyrene | 18.206 | 252 | 31956 | 12.05 | ng/ml | 96 | |
| 34) Perylene | 18.410 | 252 | 8701 | 2.35 | ng/ml | 94 | |
| 36) Indeno(1,2,3-cd)Pyrene | 20.729 | 276 | 20164 | 6.79 | ng/ml | 81 | |
| 37) Dibenz(a,h)anthracene | 20.794 | 278 | 2785 | 0.93 | ng/ml | 91 | |
| 38) Benzo(g,h,i)perylene | 21.266 | 276 | 25091 | 7.88 | ng/ml | 79 | |

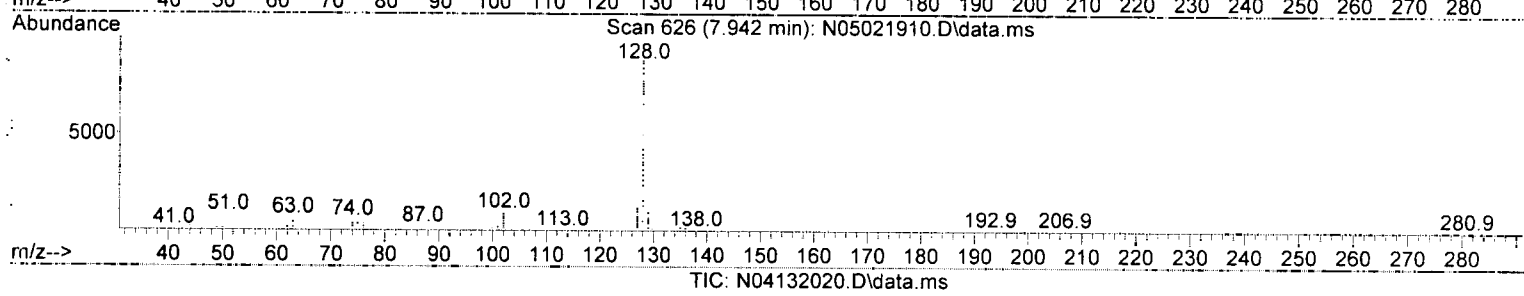
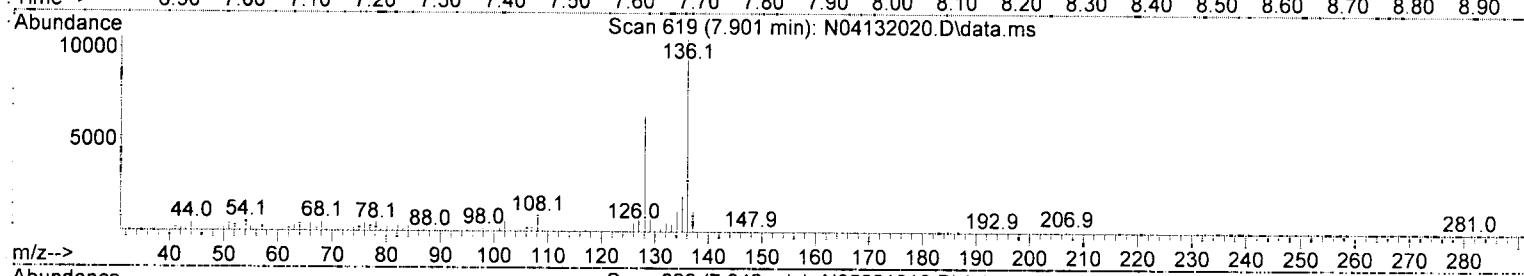
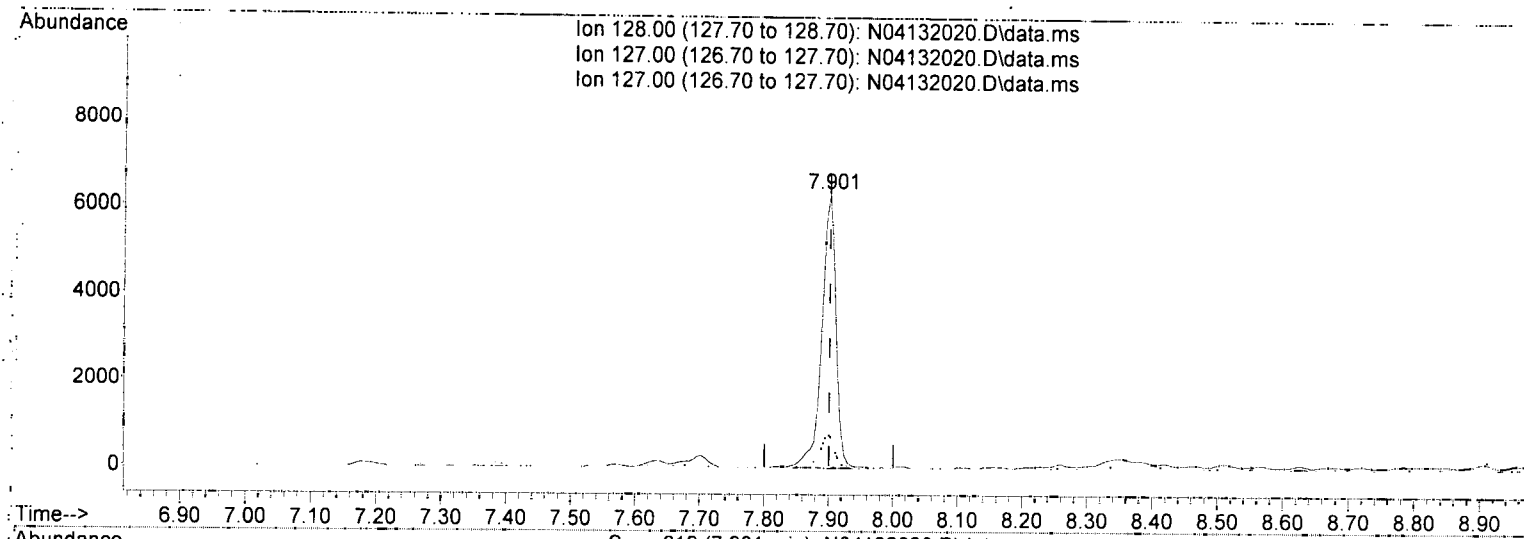
MI-5

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



J

(4) Naphthalene (T)

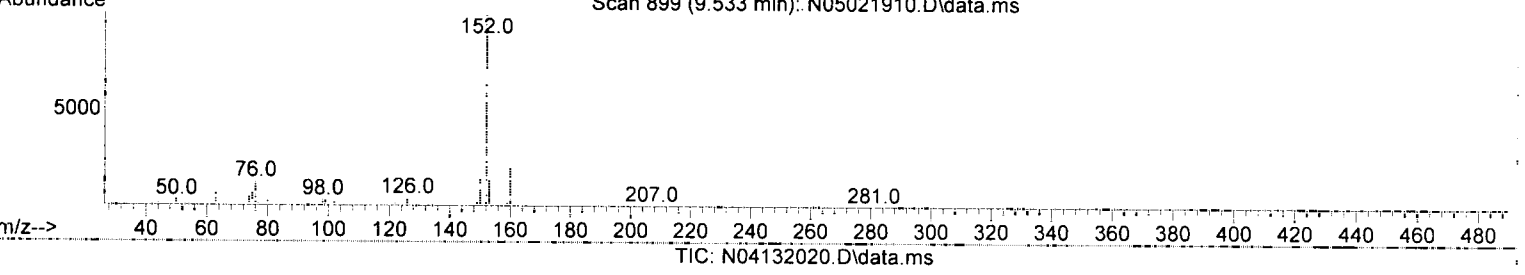
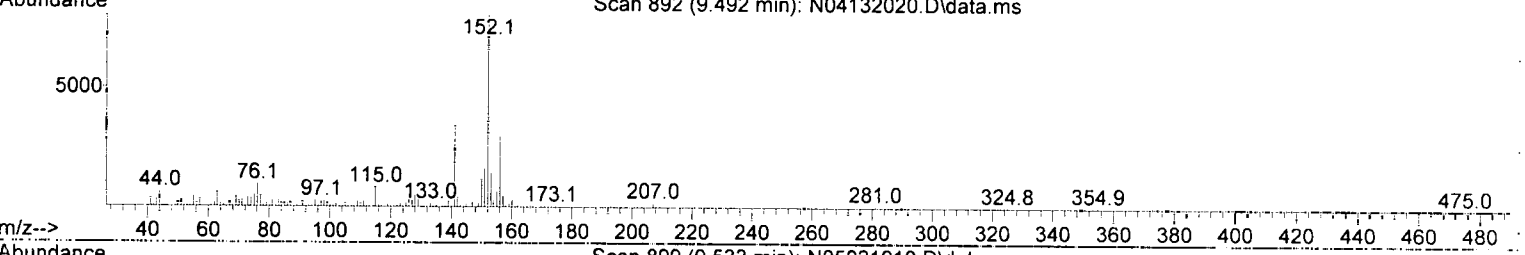
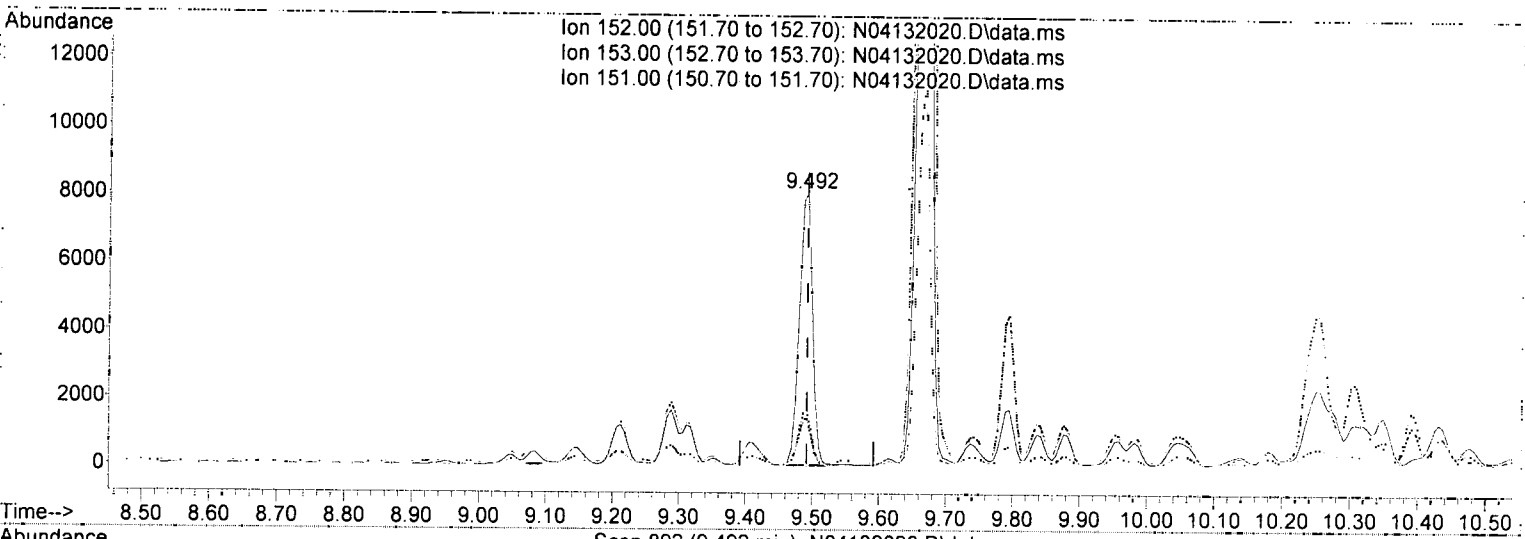
7.901min (-0.000) 3.22 ng/ml

| response | 9654 |
|----------|---------------|
| Ion | Exp% Act% |
| 128.00 | 100.00 100.00 |
| 127.00 | 12.60 11.90 |
| 127.00 | 12.60 11.90 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.492min (-0.000) 3.41 ng/ml

response 11025

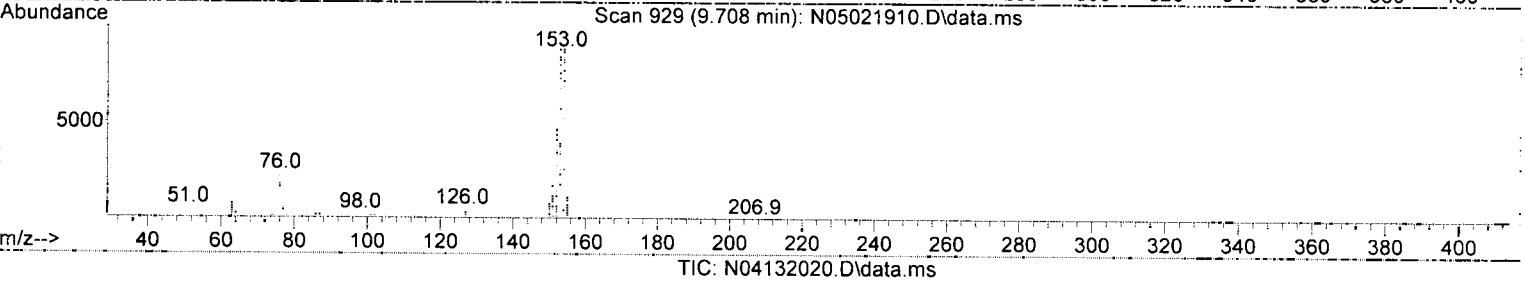
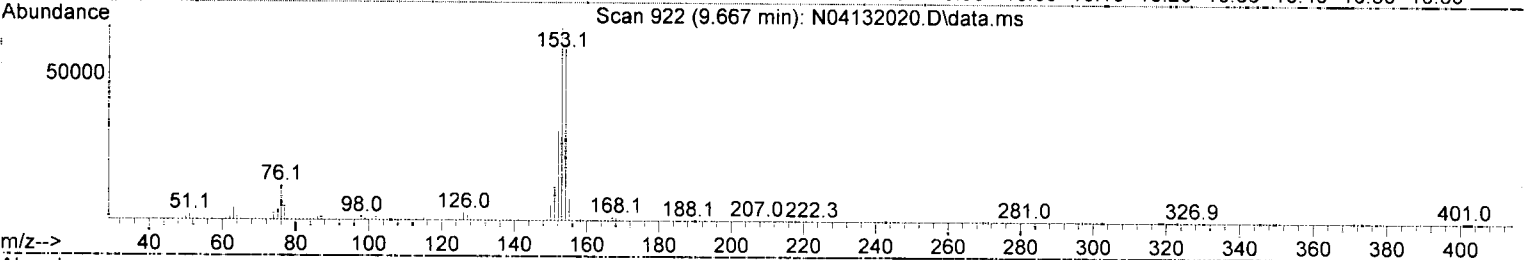
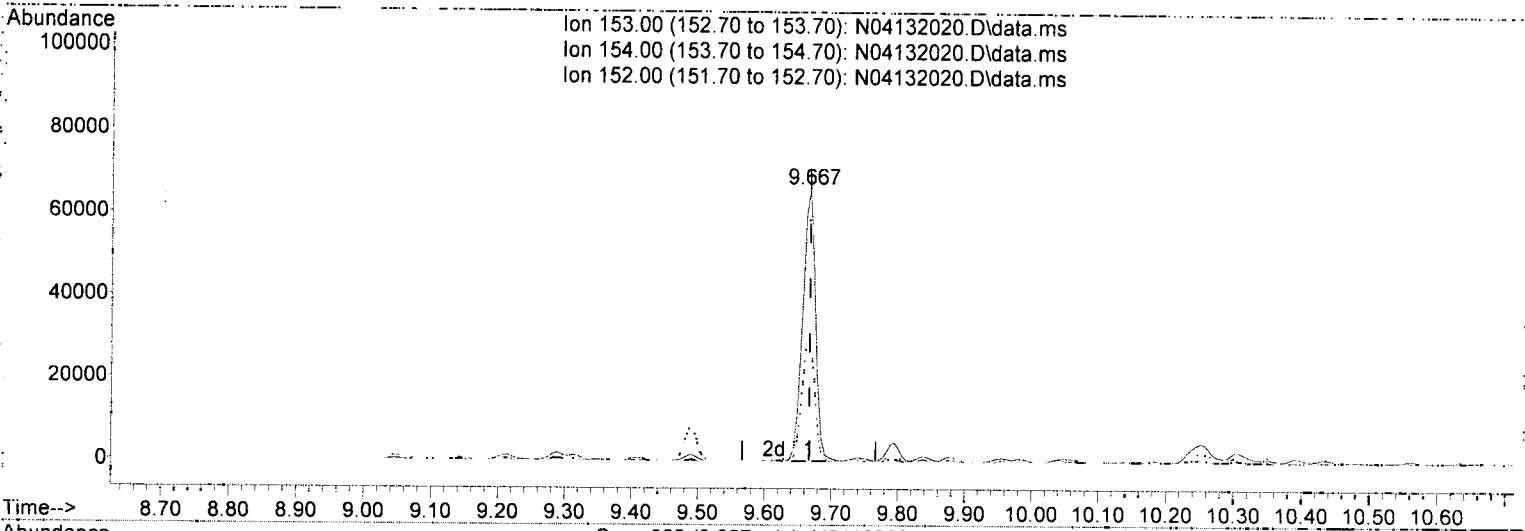
| Ion | Exp% | Act% |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 153.00 | 12.70 | 17.46 |
| 151.00 | 19.30 | 19.98 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.667min (-0.000) 37.35 ng/ml

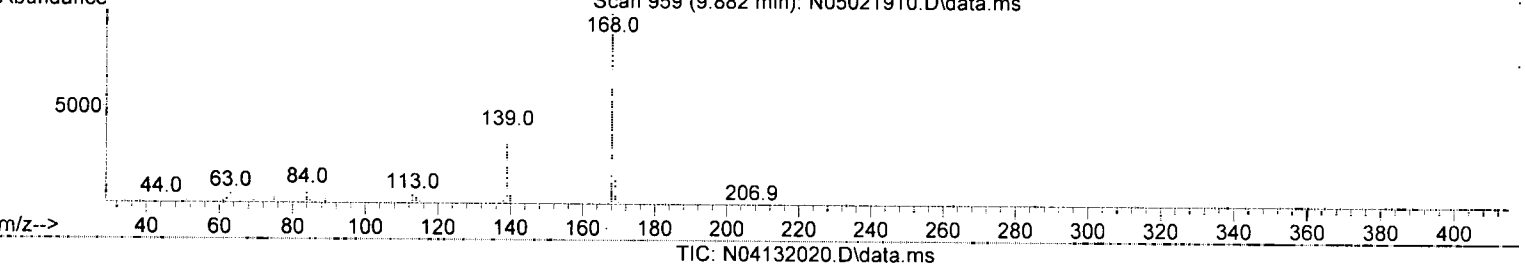
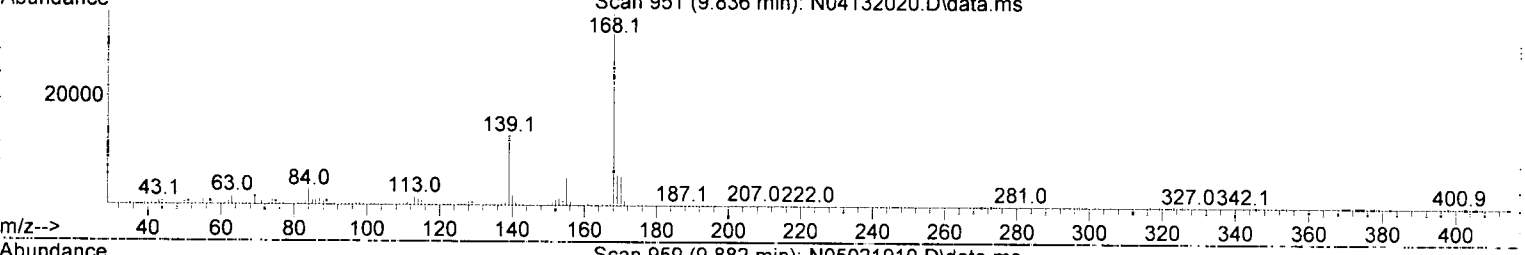
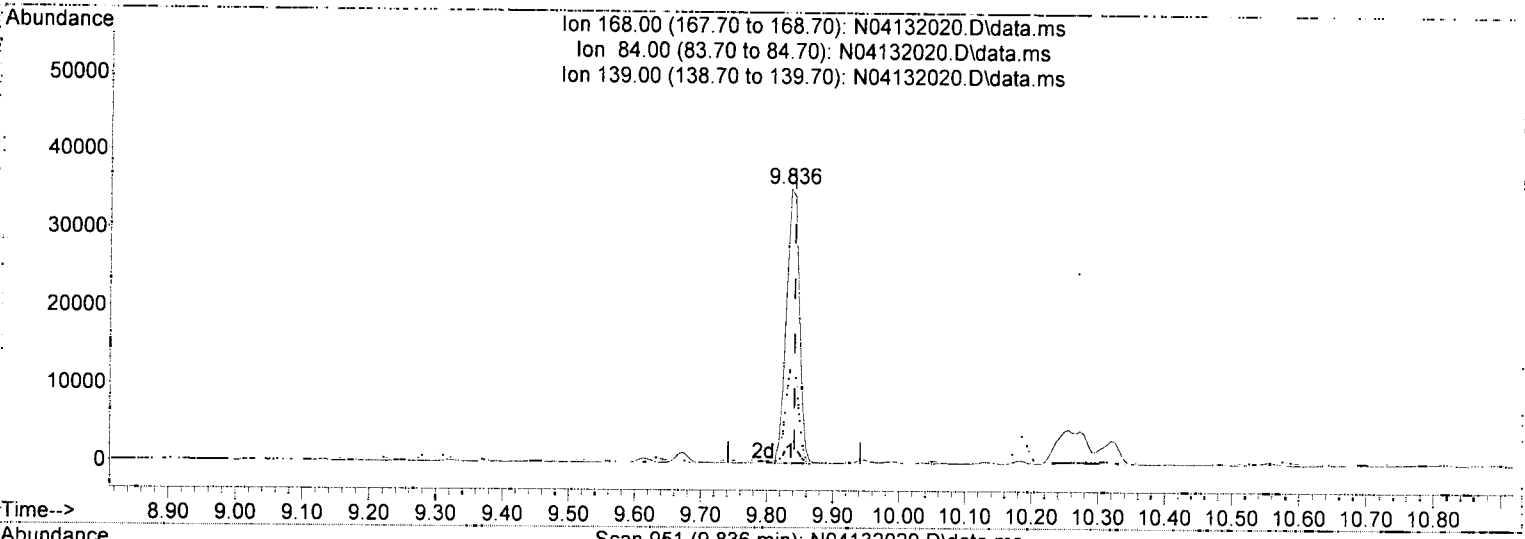
response 88654

| Ion | Exp% | Act% |
|--------|--------|--------|
| 153.00 | 100.00 | 100.00 |
| 154.00 | 90.70 | 90.15 |
| 152.00 | 46.80 | 46.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(13) Dibenzofuran (T)

9.836min (-0.006) 16.81 ng/ml

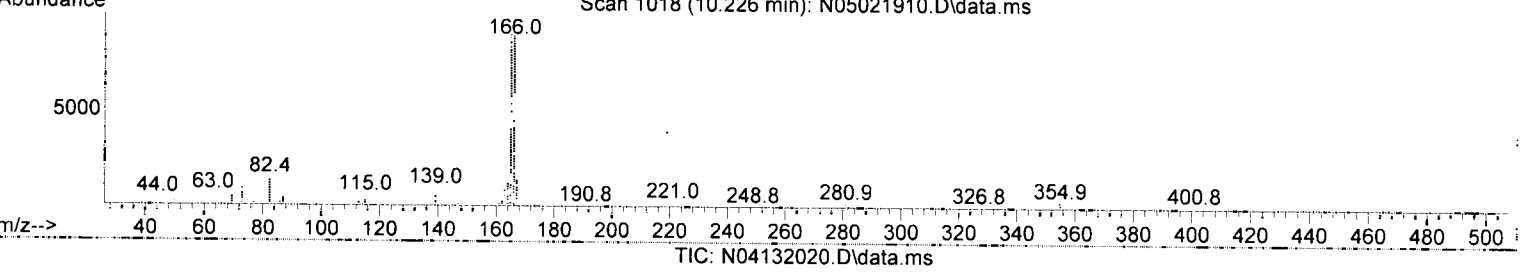
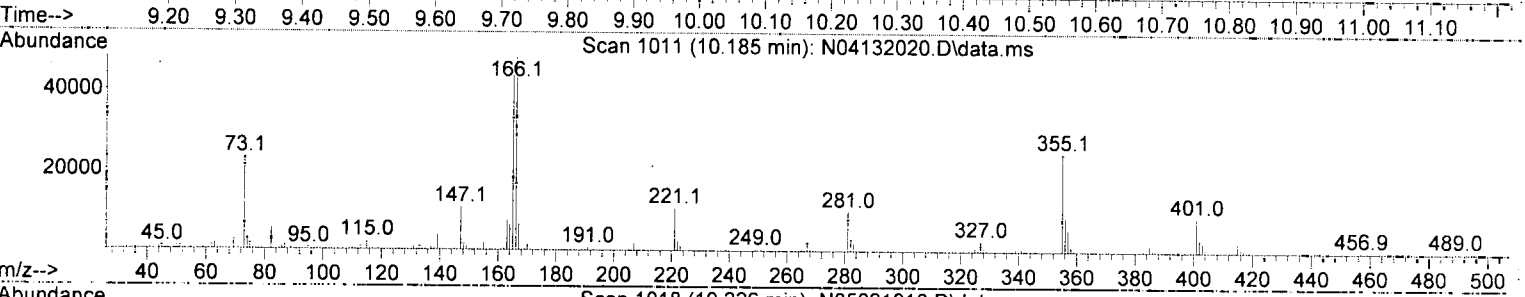
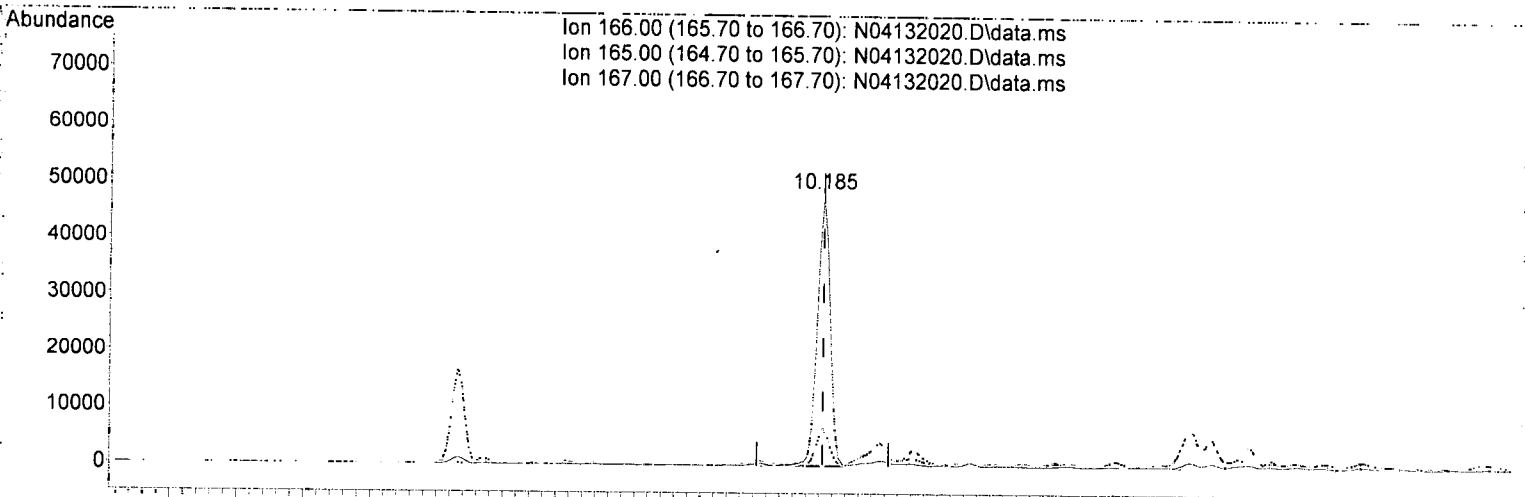
response 48301

| Ion | Exp% | Act% |
|--------|--------|--------|
| 168.00 | 100.00 | 100.00 |
| 84.00 | 7.70 | 7.65 |
| 139.00 | 38.40 | 36.05 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.185min (-0.000) 28.25 ng/ml

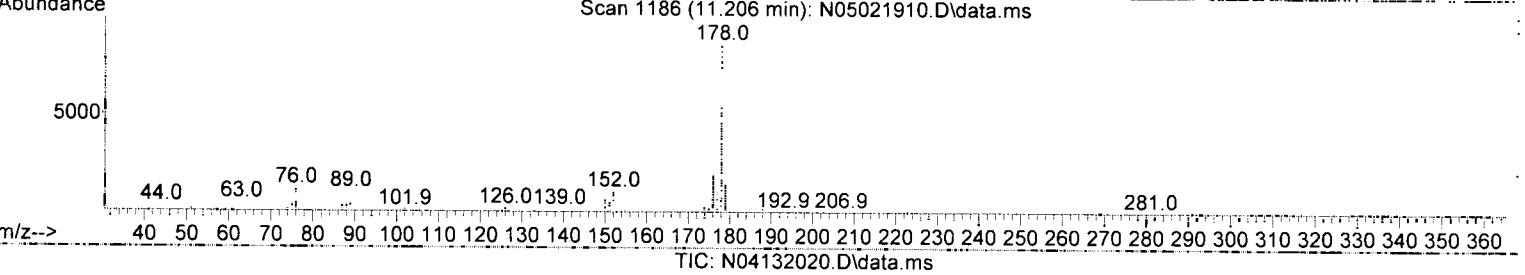
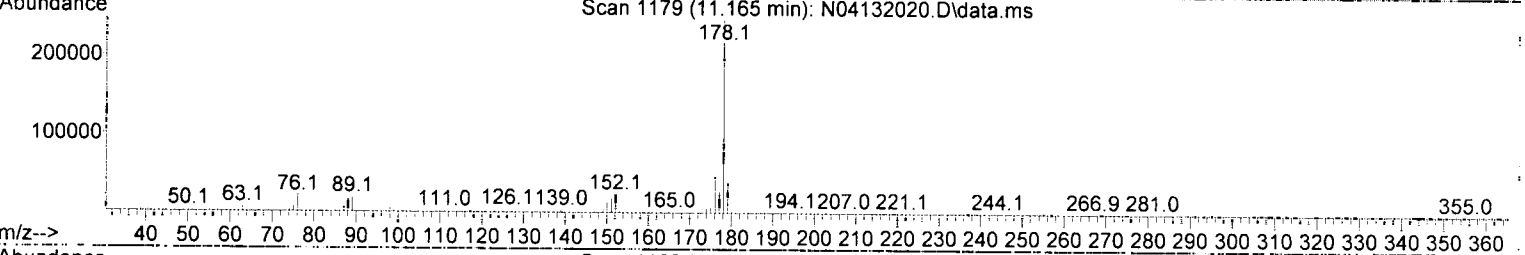
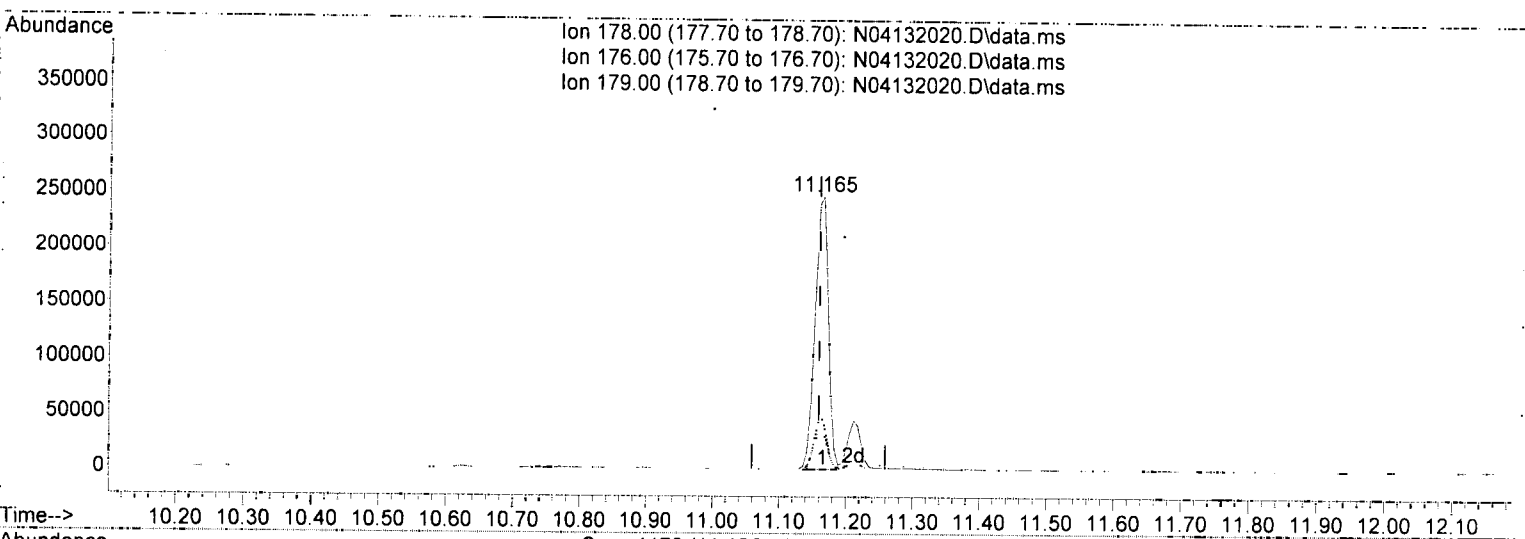
response 64473

| Ion | Exp% | Act% |
|--------|--------|--------|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 95.70 | 96.05 |
| 167.00 | 13.60 | 13.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(18) Phenanthrene (T)

11.165min (+ 0.006) 89.95 ng/ml

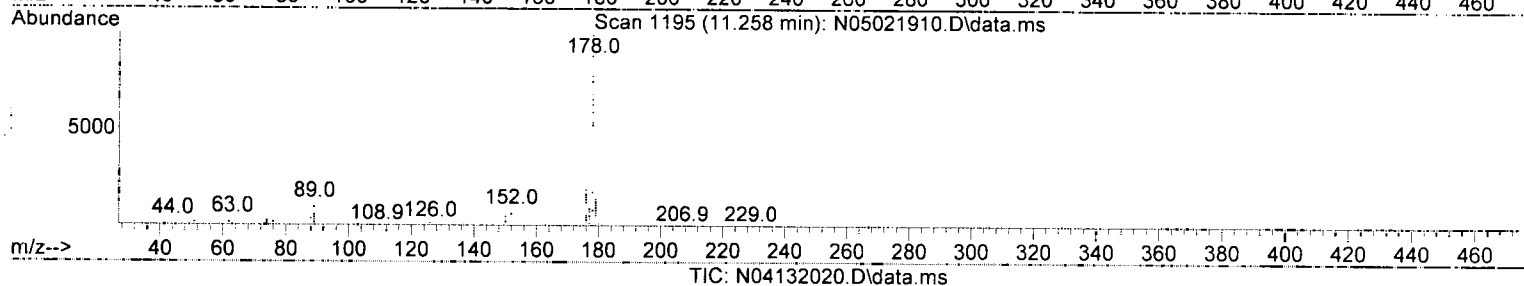
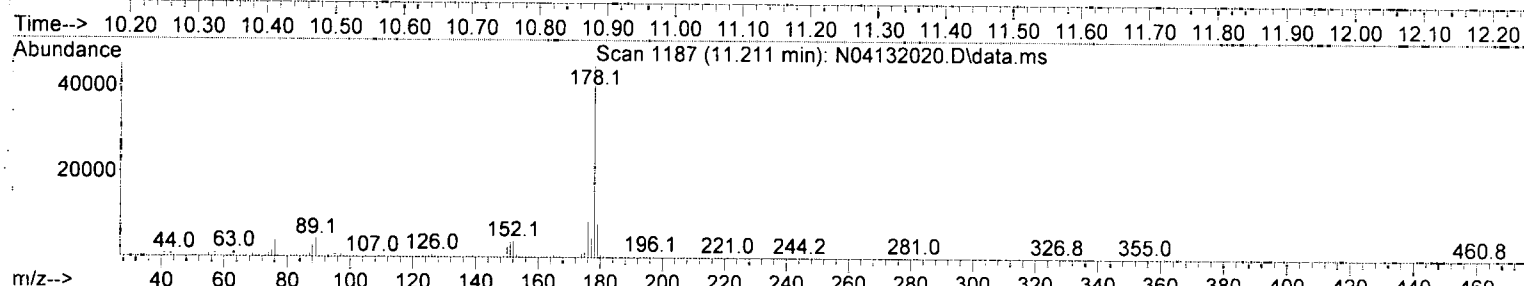
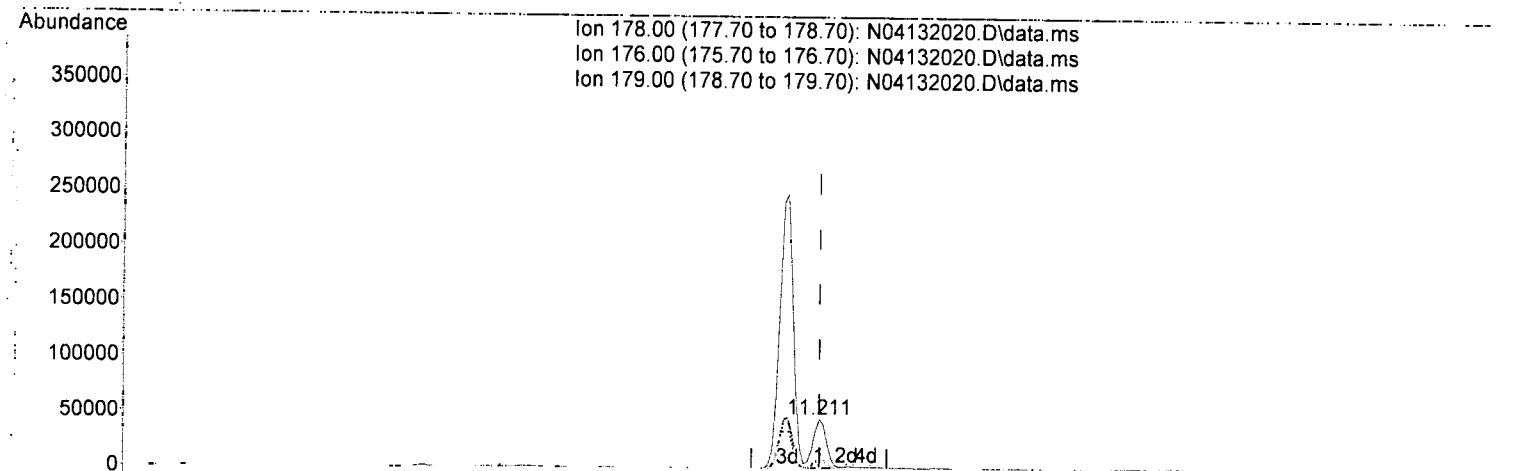
response 343644

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 19.00 | 18.62 |
| 179.00 | 15.10 | 15.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(19) Anthracene (T)

11.211min (-0.000) 19.08 ng/ml

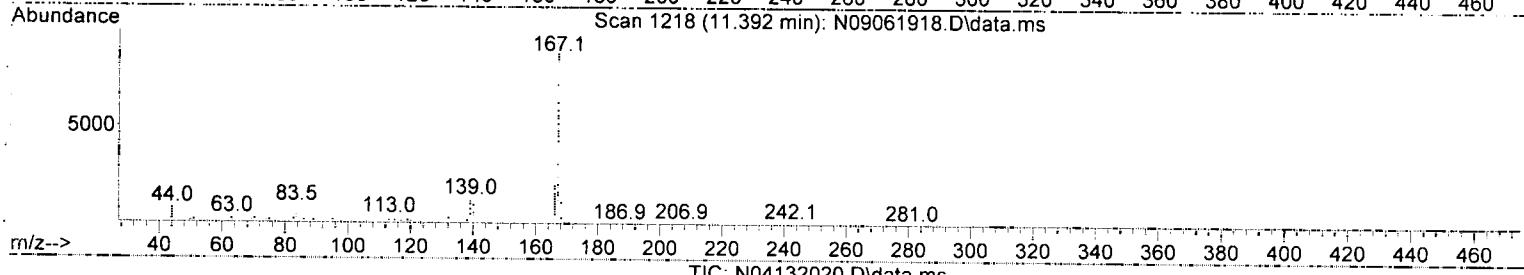
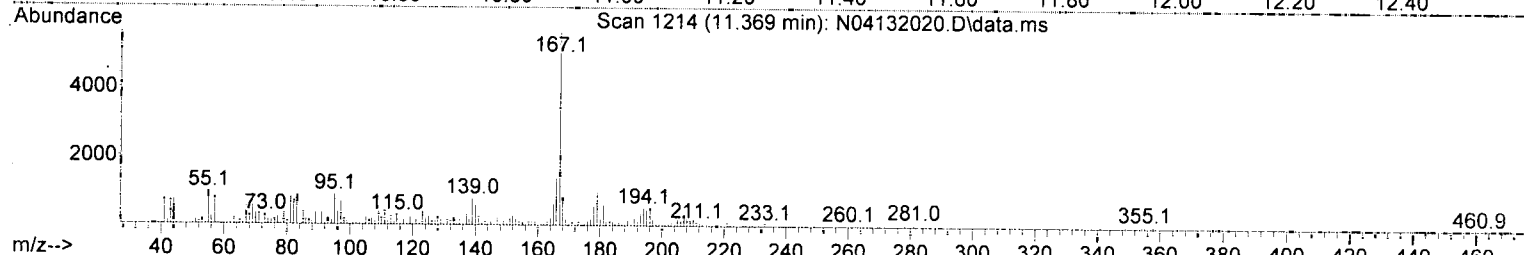
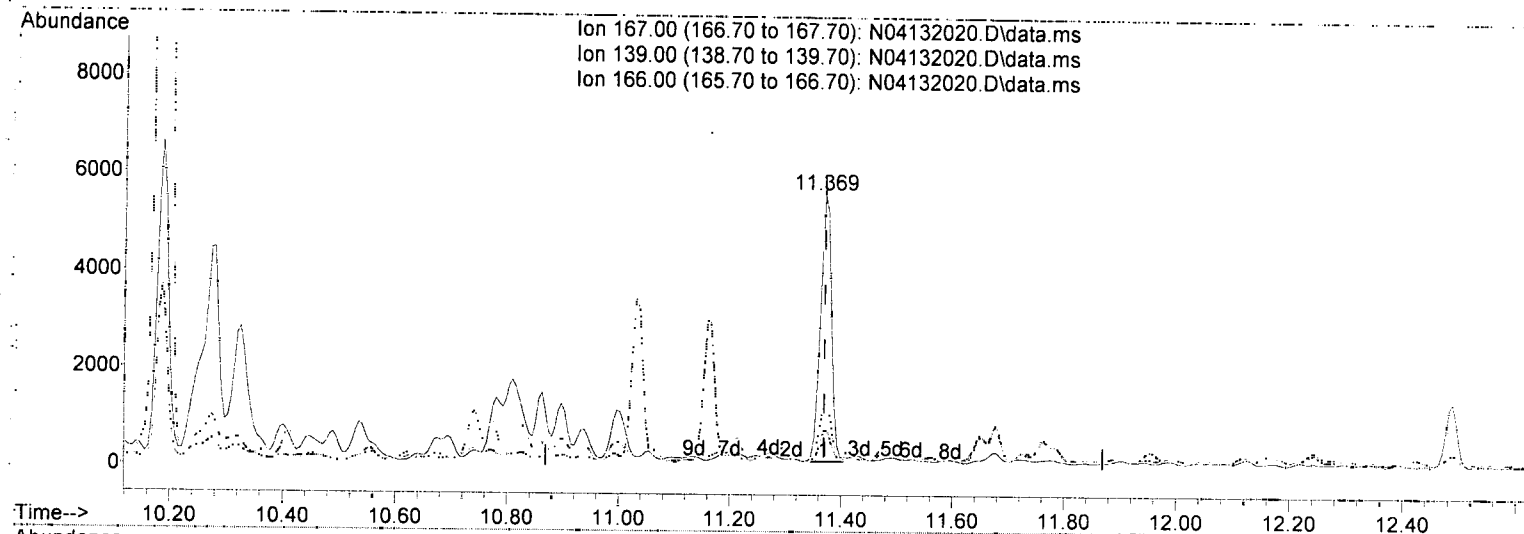
response 59696

| Ion | Exp% | Act% |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 176.00 | 18.90 | 18.48 |
| 179.00 | 15.30 | 17.35 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(20) Carbazole (T)

11.369min (-0.000) 2.81 ng/ml

response 7598

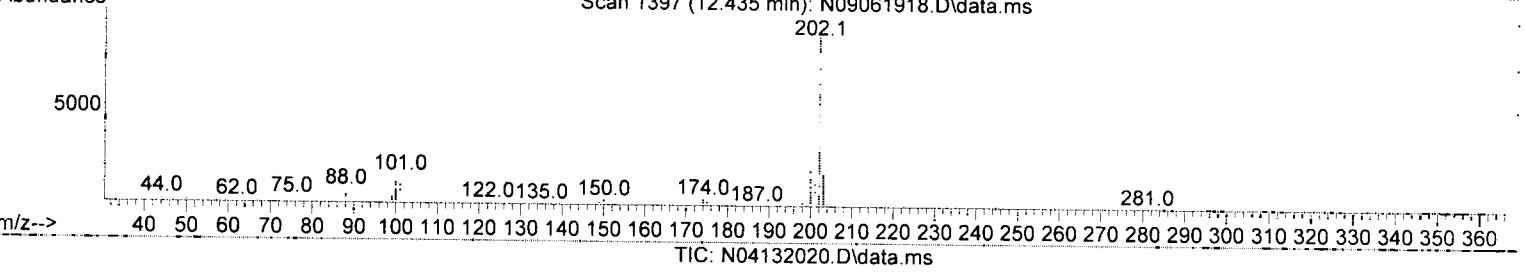
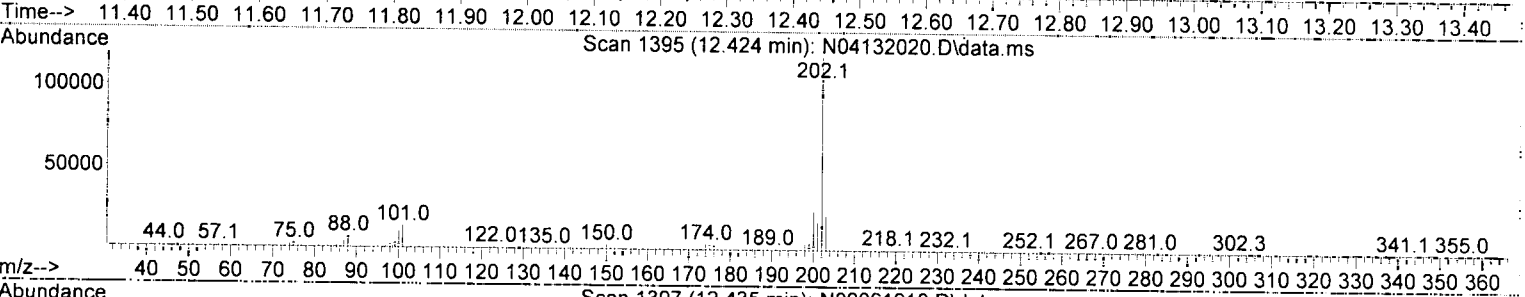
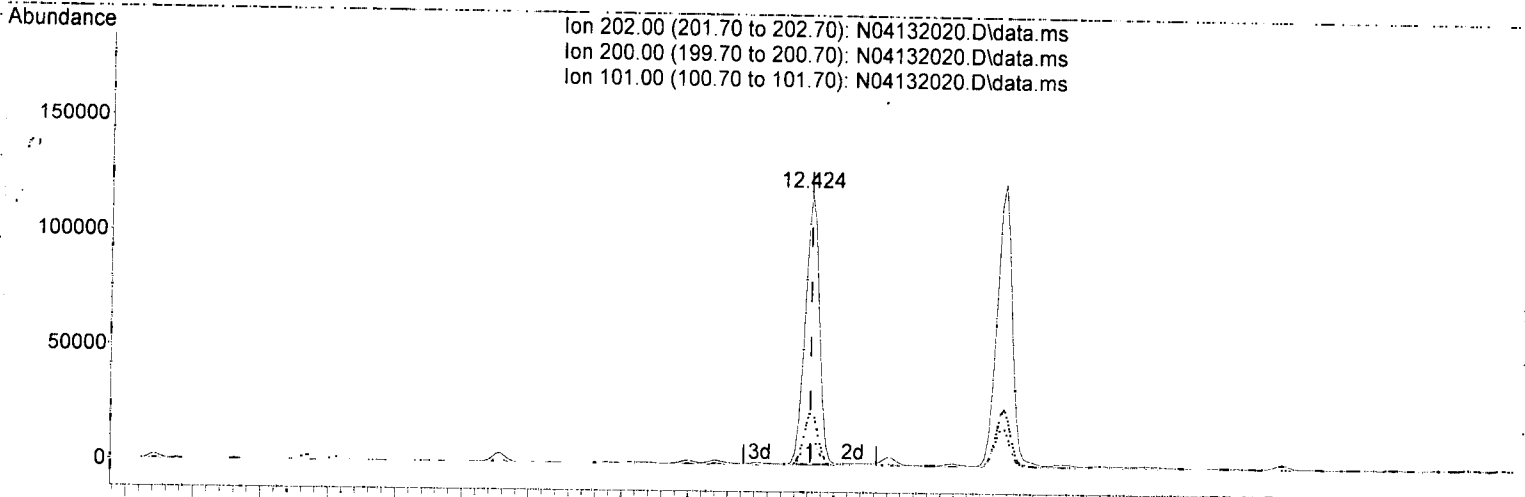
| Ion | Exp% | Act% |
|--------|--------|--------|
| 167.00 | 100.00 | 100.00 |
| 139.00 | 13.50 | 13.77 |
| 166.00 | 21.10 | 24.34 |
| 0.00 | 0.00 | 0.00 |

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(22) Fluoranthene (T)

12.424min (-0.000) 46.22 ng/ml

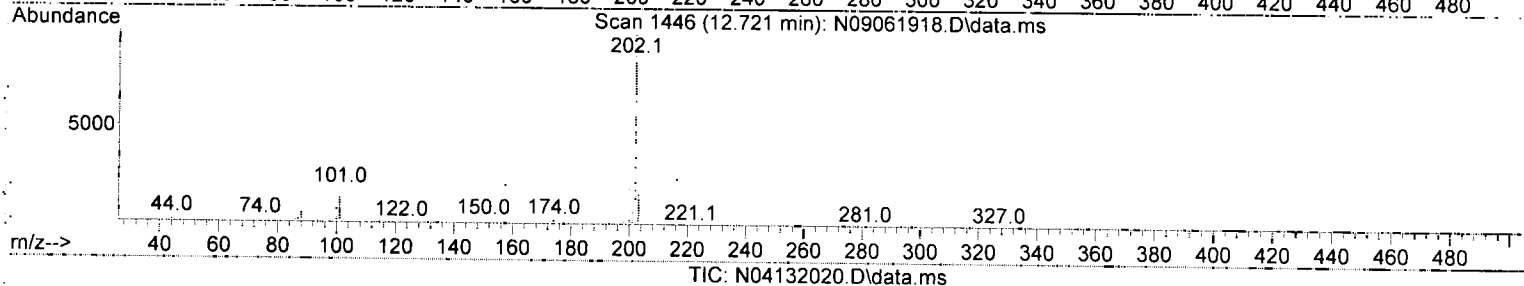
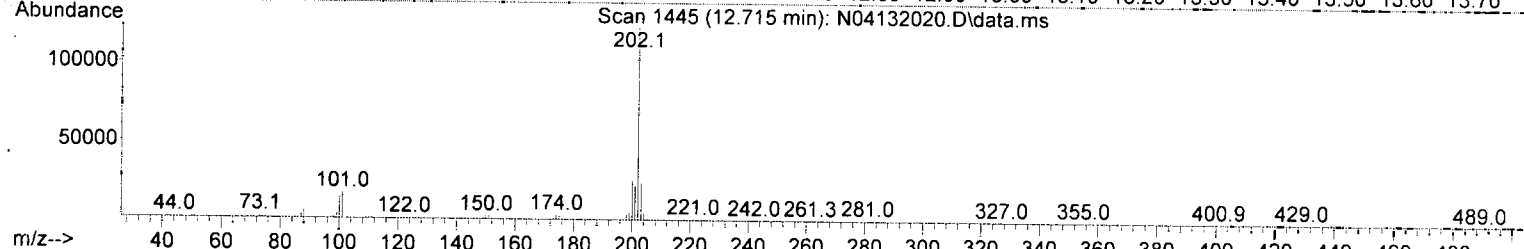
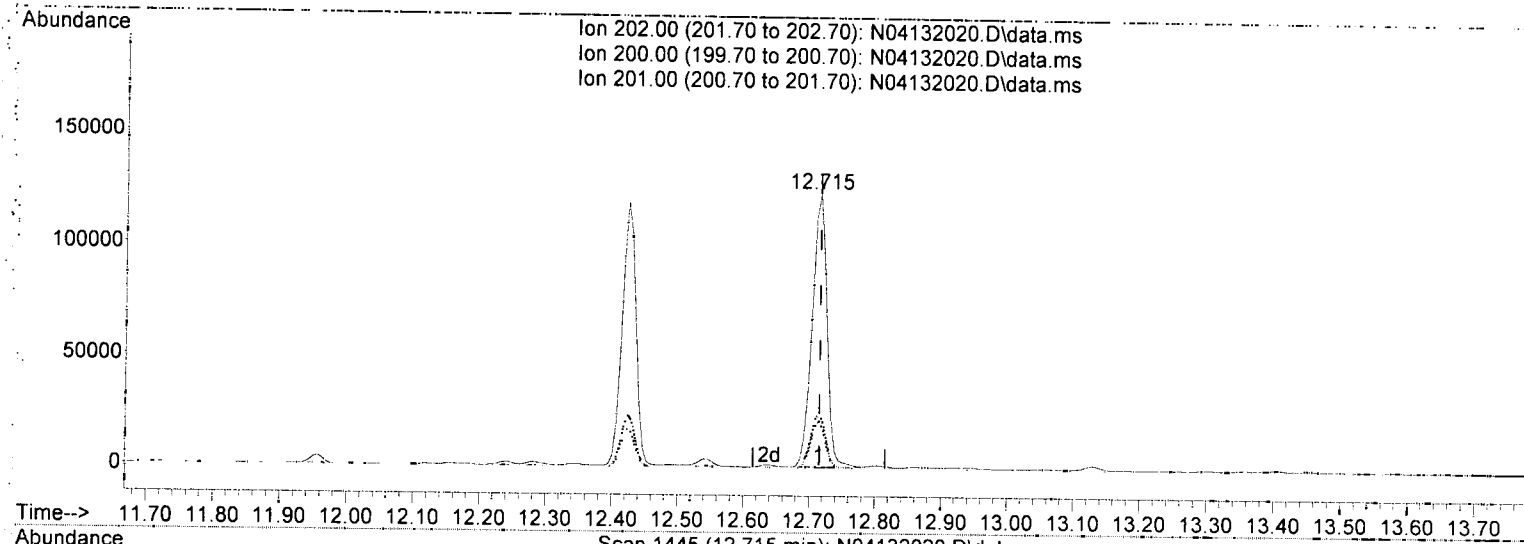
response 174030

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 19.70 | 19.92 |
| 101.00 | 15.30 | 11.30 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(24) Pyrene (T)

12.715min (-0.000) 46.02 ng/ml

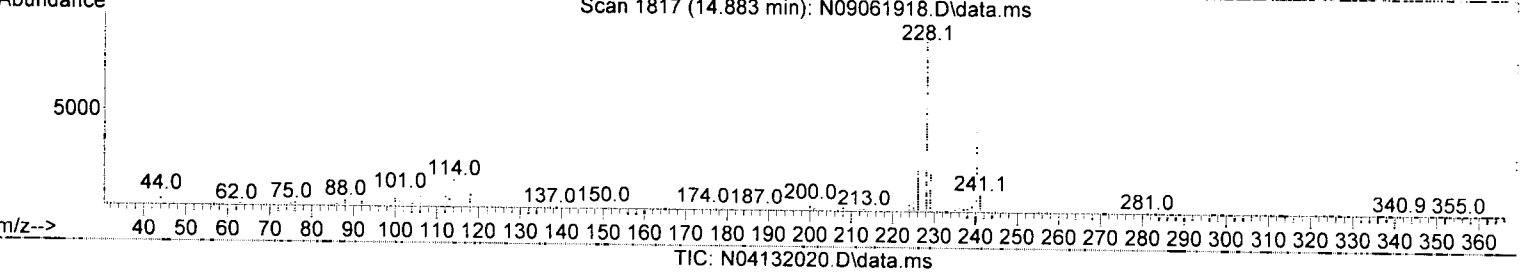
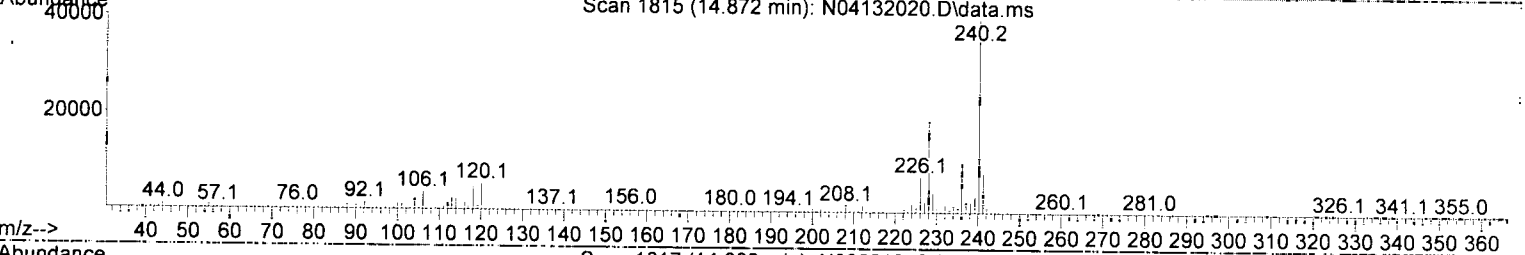
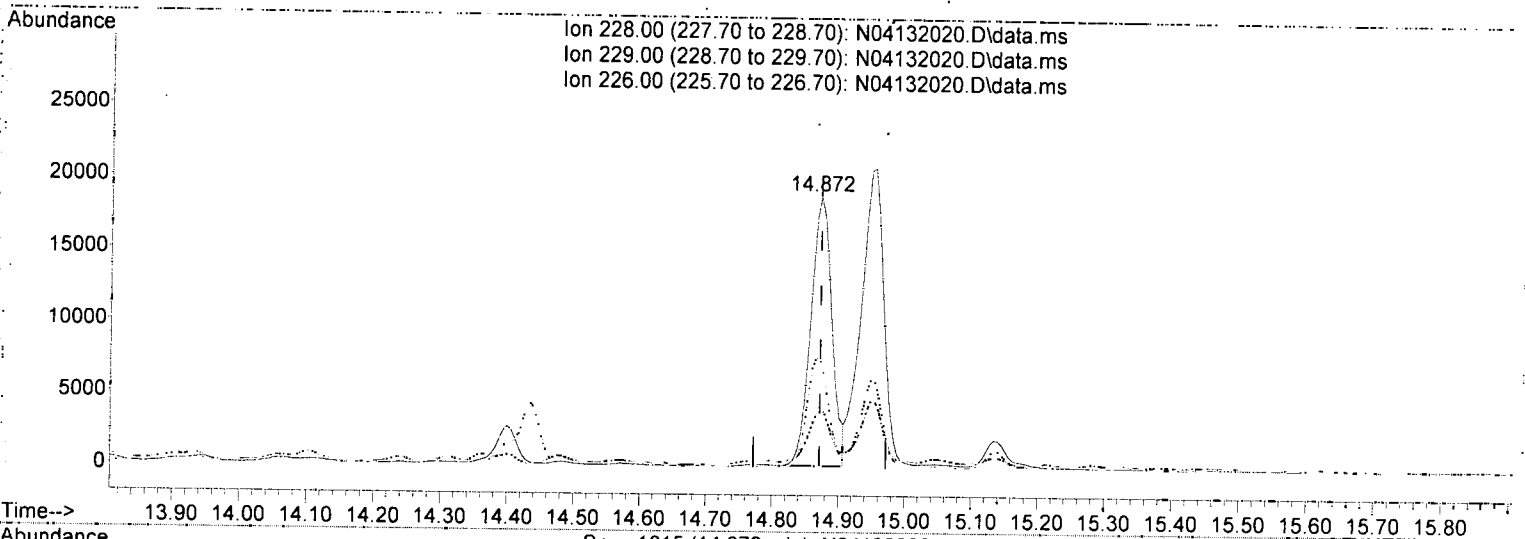
response 194199

| Ion | Exp% | Act% |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 200.00 | 20.70 | 20.24 |
| 201.00 | 16.80 | 17.43 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(26) Benz(a)anthracene (T)

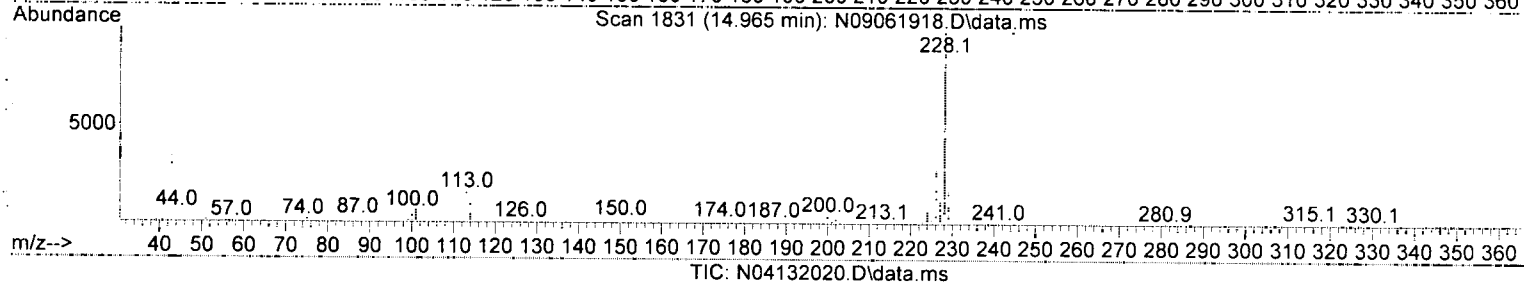
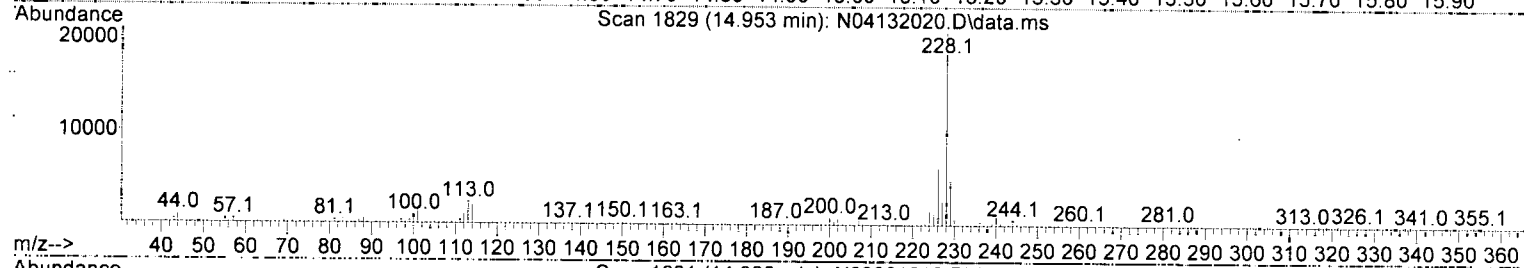
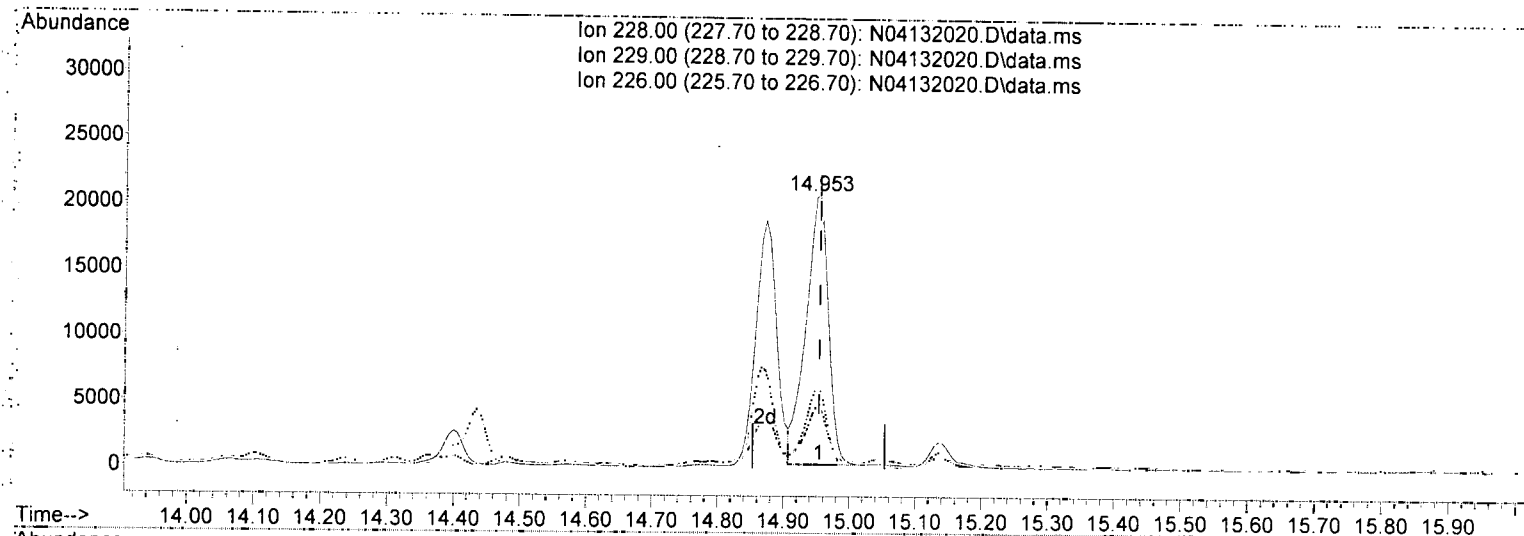
14.872min (-0.000) 12.27 ng/ml

| response | Ion | Exp% | Act% |
|----------|--------|--------|--------|
| 41382 | 228.00 | 100.00 | 100.00 |
| | 229.00 | 19.40 | 21.79 |
| | 226.00 | 26.20 | 39.41 |
| | 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(27) Chrysene (T)

14.953min (-0.000) 14.03 ng/ml

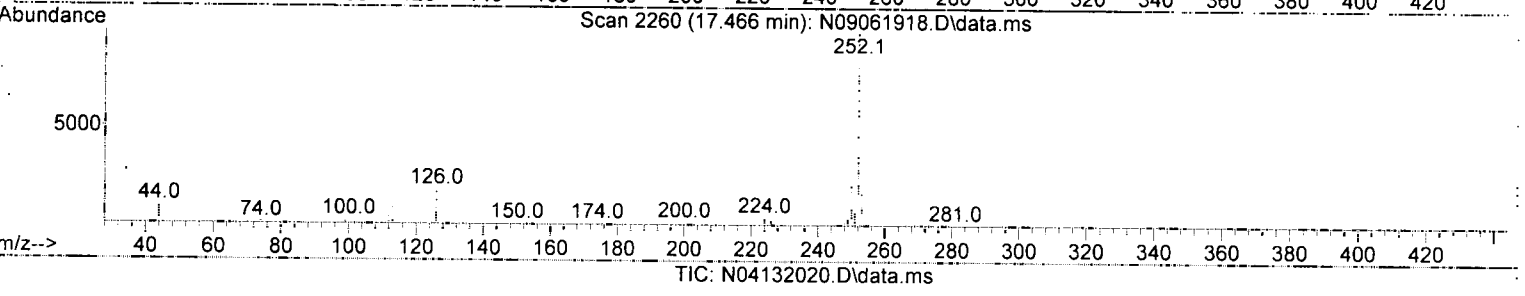
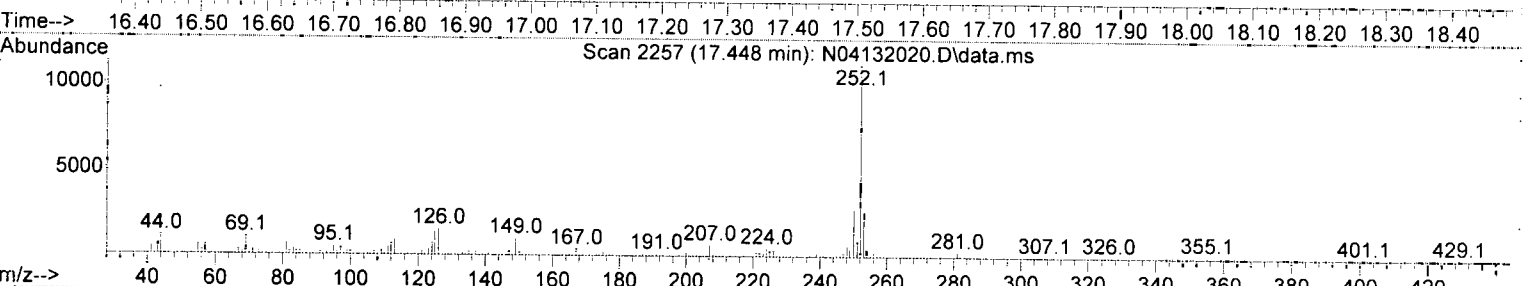
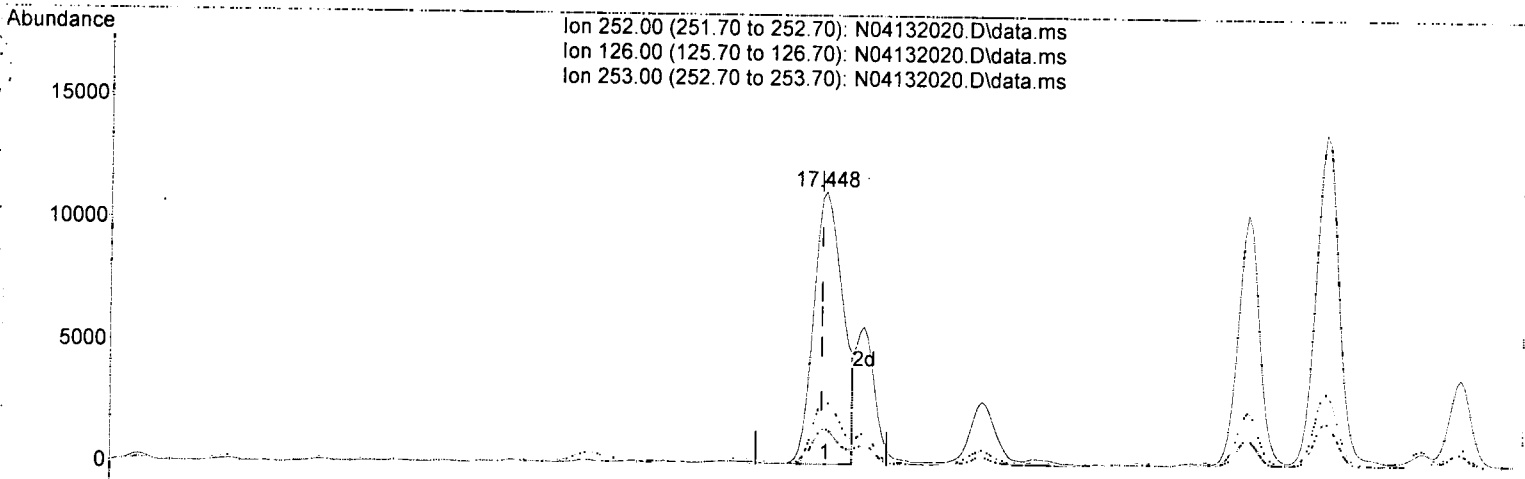
response 48701

| Ion | Exp% | Act% |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60 | 22.77 |
| 226.00 | 28.60 | 29.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(29) Benzo(b)fluoranthene (T)

17.448min (+ 0.006) 10.10 ng/ml

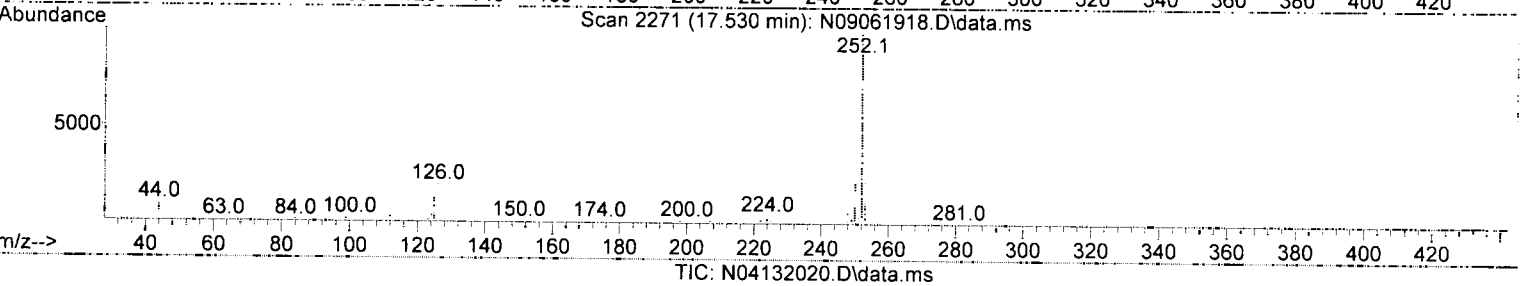
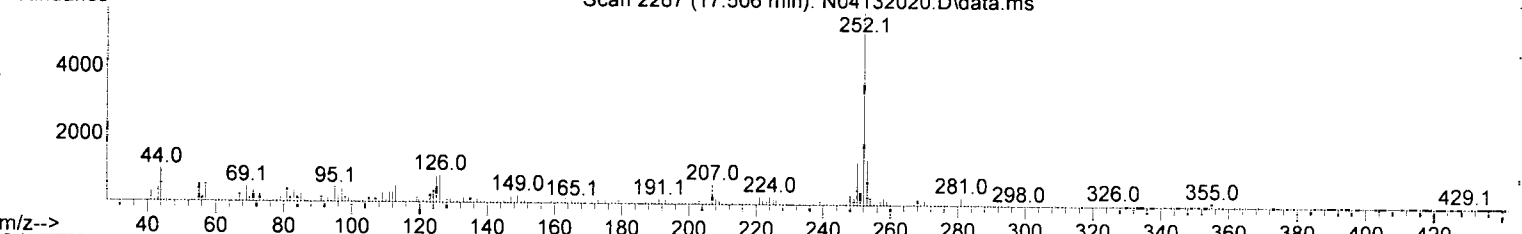
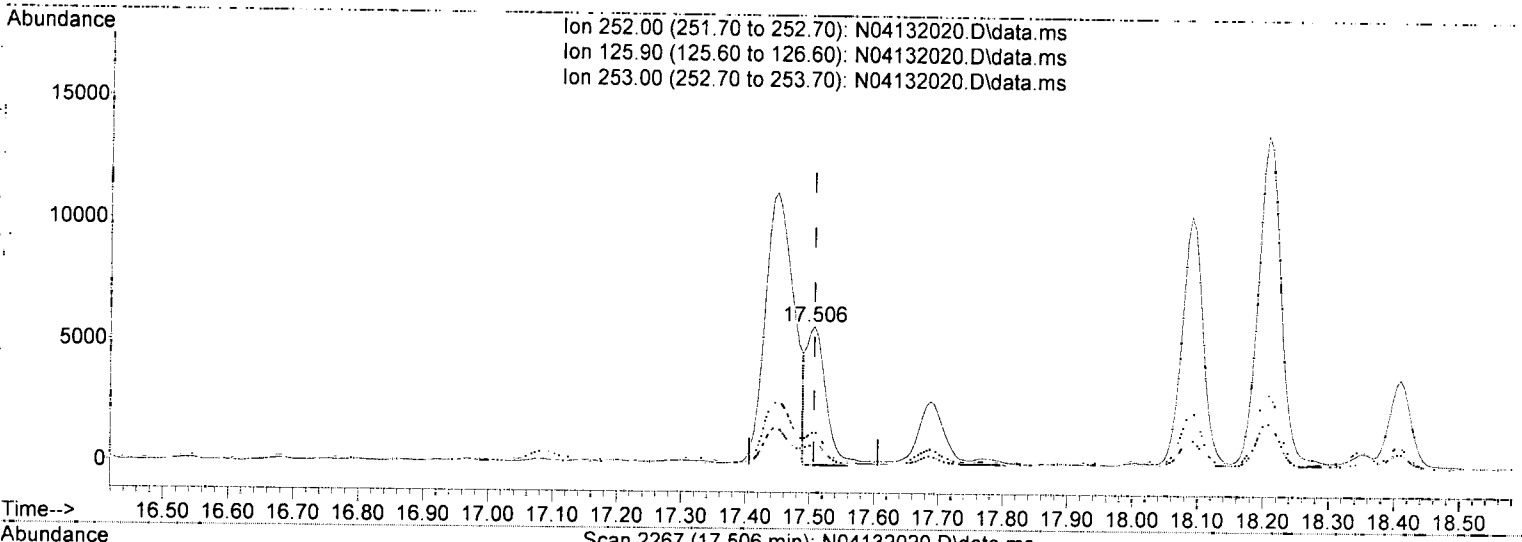
response 34730

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 126.00 | 20.00 | 13.59 |
| 253.00 | 21.10 | 23.02 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.506min (-0.000) 3.43 ng/ml

response 11751

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 125.90 | 22.10 | 14.45 |
| 253.00 | 21.50 | 23.59 |
| 0.00 | 0.00 | 0.00 |

AMS
 4/14/20

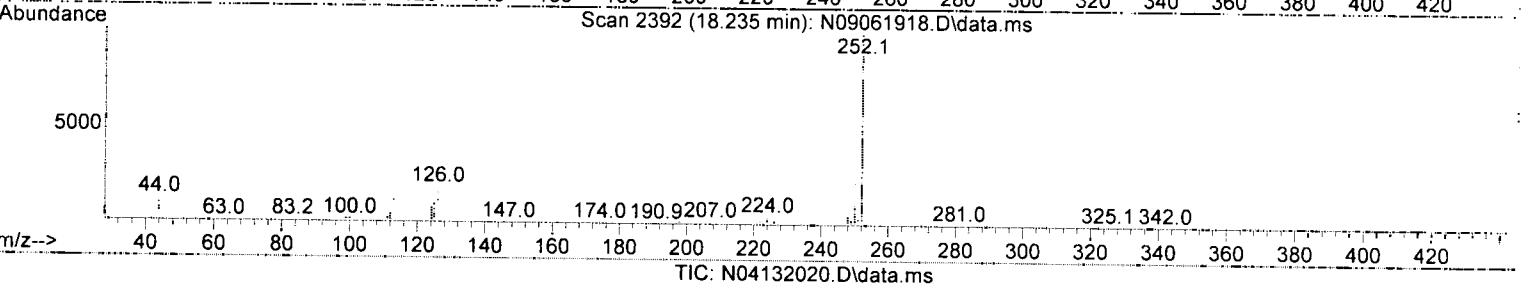
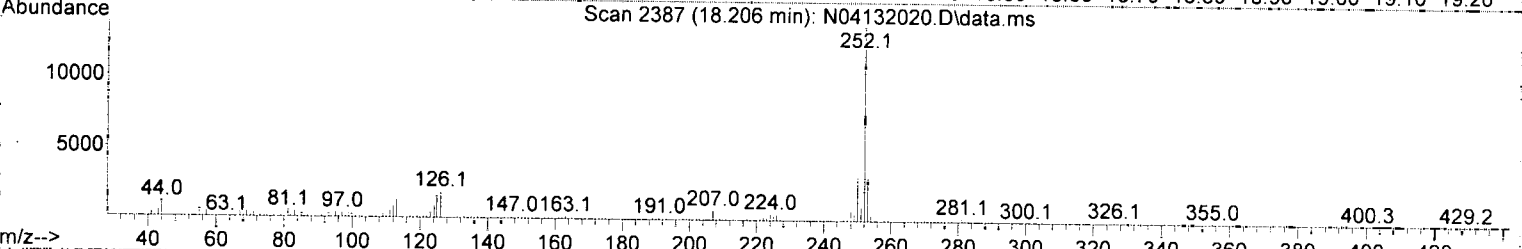
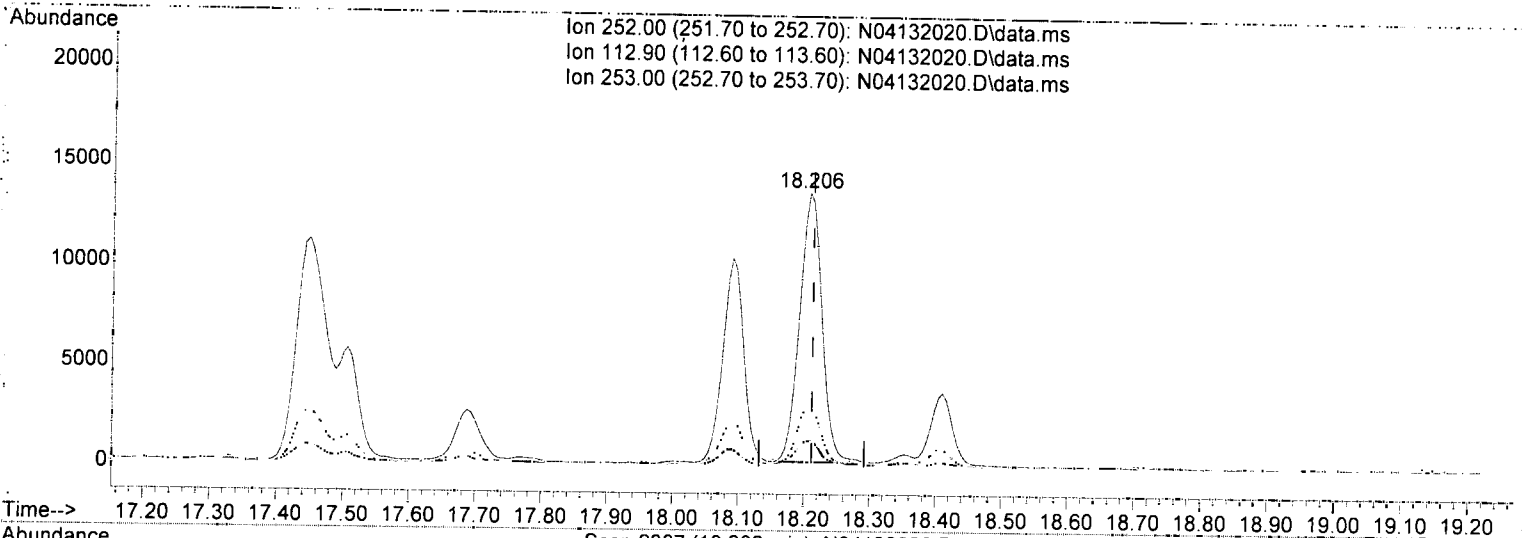
J

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.206min (-0.006) 12.05 ng/ml

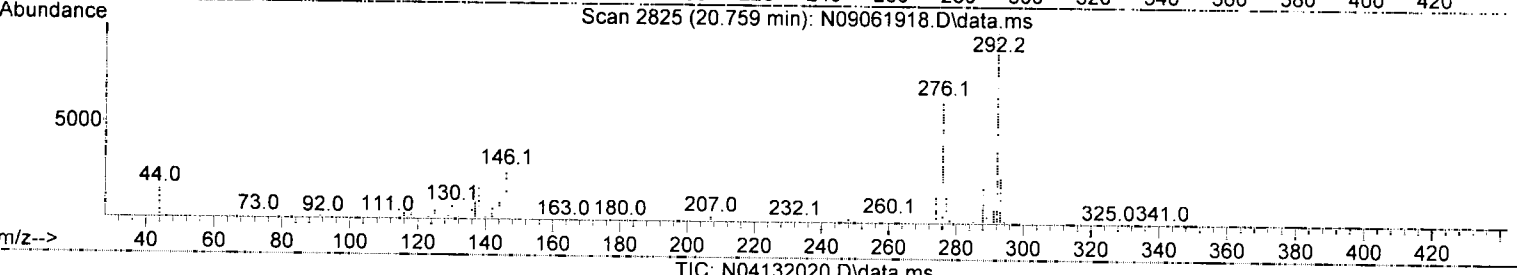
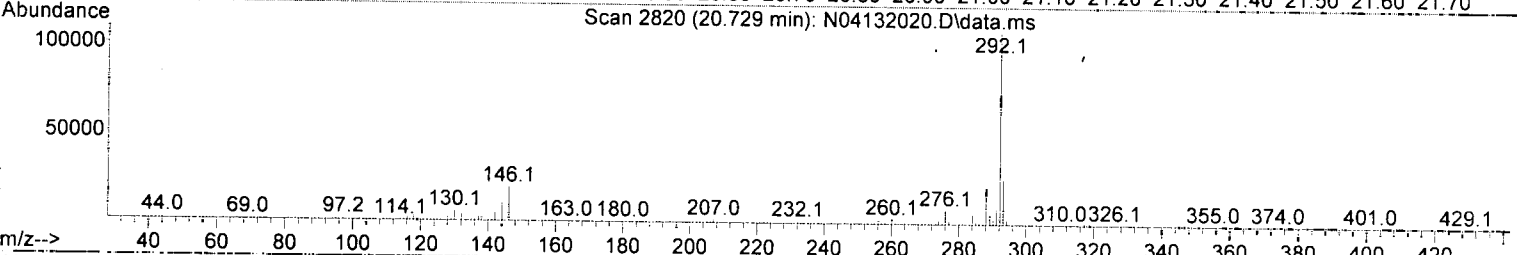
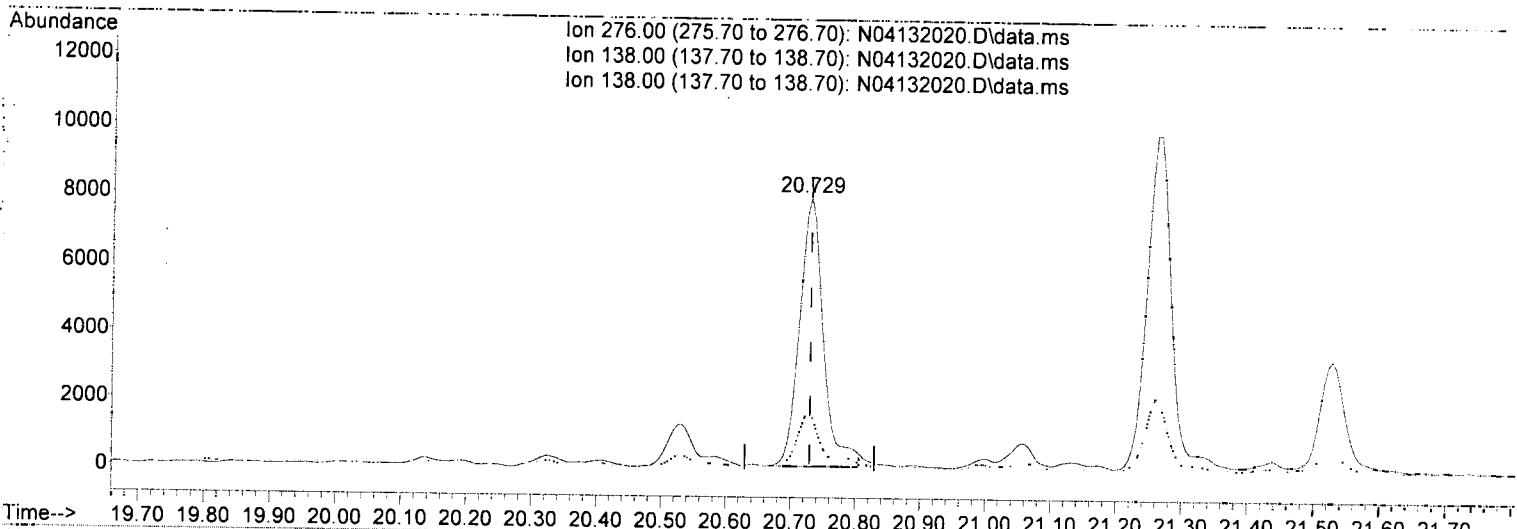
response 31956

| Ion | Exp% | Act% |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 112.90 | 12.70 | 9.51 |
| 253.00 | 21.90 | 22.64 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



TIC: N04132020.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

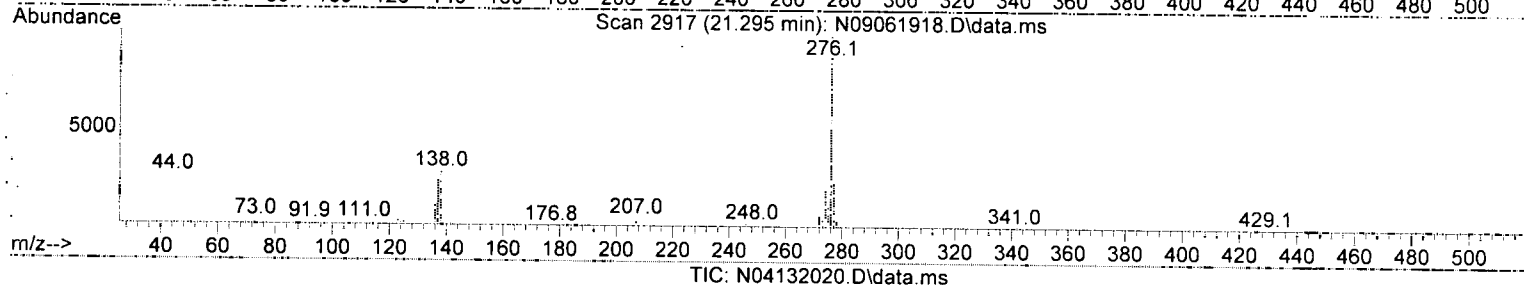
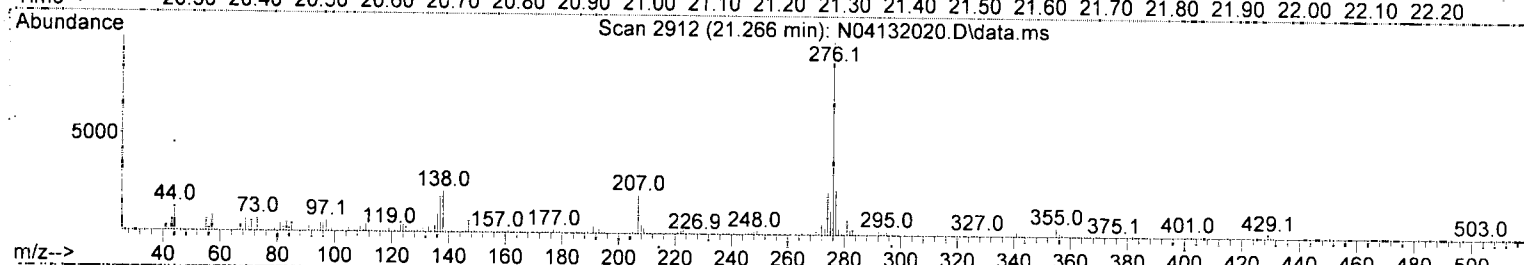
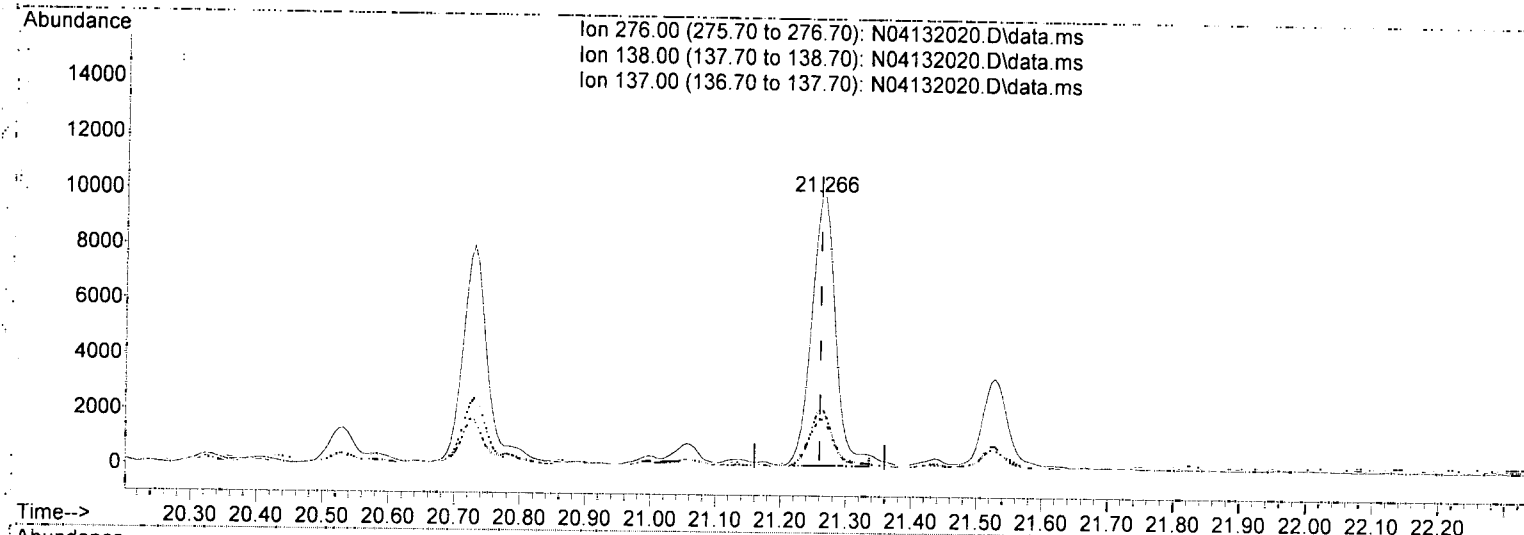
20.729min (-0.000) 6.79 ng/ml

| response | 20164 |
|----------|---------------|
| Ion | Exp% Act% |
| 276.00 | 100.00 100.00 |
| 138.00 | 31.60 21.09 |
| 138.00 | 31.60 21.09 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
 Data File : N04132020.D
 Acq On : 13 Apr 2020 06:19 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0212-02RE1@400
 Misc : 400x, 8270D LL PAH ONLY
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 14 07:28:20 2020
 Quant Method : U:\methods\SV14_040720_PAHR1.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Apr 10 17:39:38 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

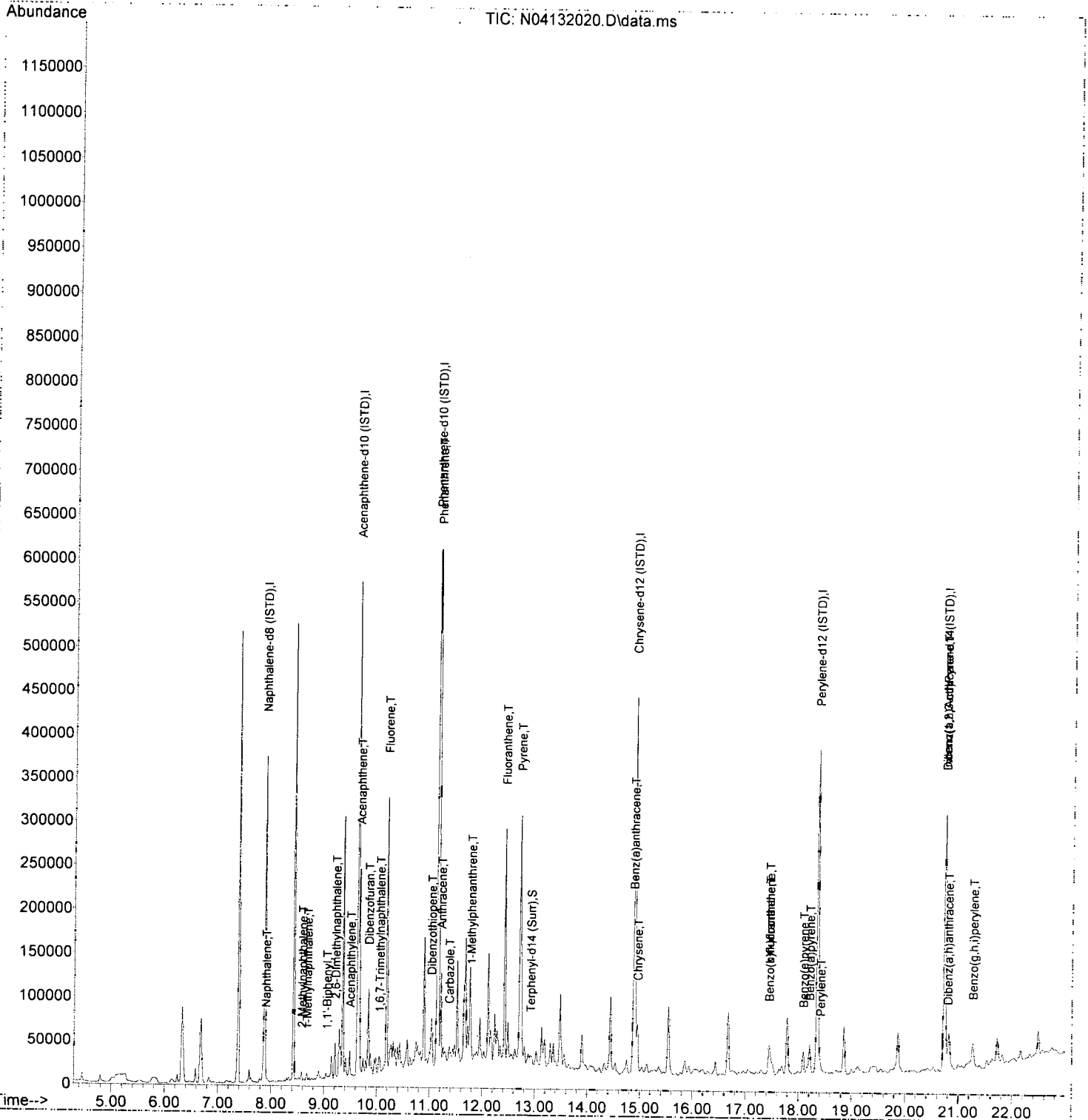
21.266min (+ 0.006) 7.88 ng/ml

response 25091

| Ion | Exp% | Act% |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 34.40 | 21.36 |
| 137.00 | 28.60 | 17.99 |
| 0.00 | 0.00 | 0.00 |

Data Path : U:\data\2020-04\0D13031\
Data File : N04132020.D
Acq On : 13 Apr 2020 06:19 pm
Operator : JK/ AMS/ DTH
Sample : A0D0212-02RE1@400
Misc : 400x, 8270D LL PAH ONLY
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 14 07:28:20 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
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:

MV 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 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**

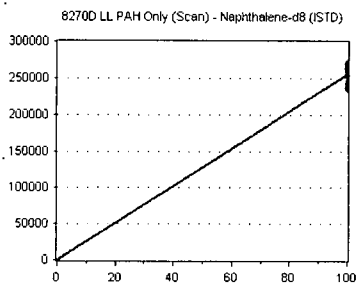
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

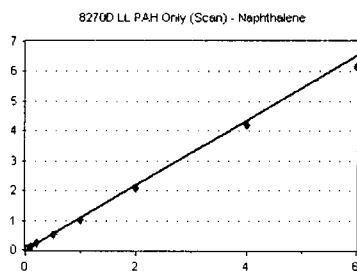


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 100 | 243074 | 2430.740 | 7.91 |
| 0D07056-CAL2 | 100 | 243705 | 2437.050 | 7.91 |
| 0D07056-CAL3 | 100 | 254846 | 2548.460 | 7.91 |
| 0D07056-CAL4 | 100 | 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**

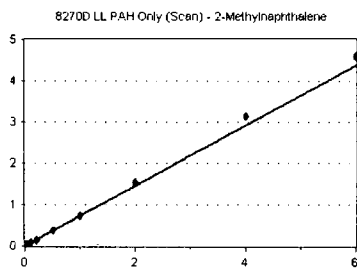


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1 | 2892 | 1.190 | 7.93 |
| 0D07056-CAL2 | 2 | 5600 | 1.149 | 7.92 |
| 0D07056-CAL3 | 5 | 14431 | 1.133 | 7.92 |
| 0D07056-CAL4 | 10 | 29903 | 1.103 | 7.92 |
| 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**

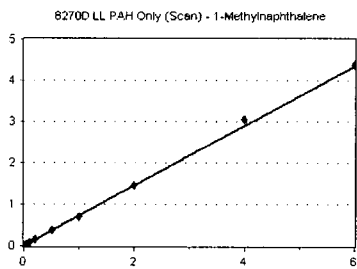


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| 0D07056-CAL1 | 1 | 1659 | 0.683 | 8.61 |
| 0D07056-CAL2 | 2 | 3410 | 0.700 | 8.61 |
| 0D07056-CAL3 | 5 | 9092 | 0.714 | 8.61 |
| 0D07056-CAL4 | 10 | 19067 | 0.704 | 8.61 |
| 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**

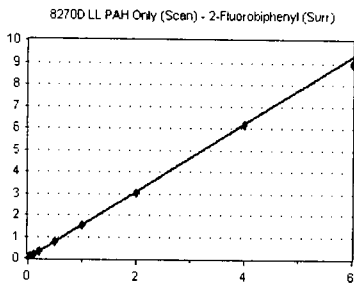
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

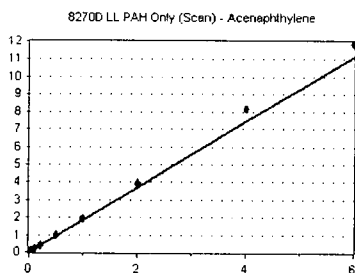


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2174 | 1.452 | 8.97 |
| OD07056-CAL2 | 2 | 4191 | 1.546 | 8.97 |
| OD07056-CAL3 | 5 | 10979 | 1.670 | 8.97 |
| OD07056-CAL4 | 10 | 22576 | 1.605 | 8.97 |
| 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**

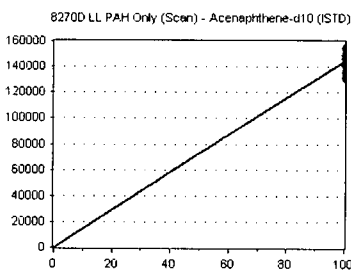


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2466 | 1.648 | 9.52 |
| OD07056-CAL2 | 2 | 4668 | 1.722 | 9.52 |
| OD07056-CAL3 | 5 | 11532 | 1.754 | 9.52 |
| OD07056-CAL4 | 10 | 25120 | 1.785 | 9.52 |
| 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**

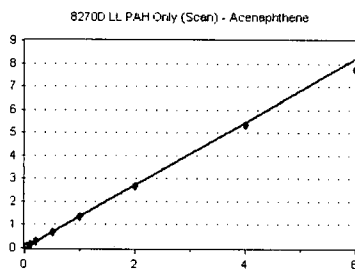


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 100 | 149679 | 1496.790 | 9.66 |
| OD07056-CAL2 | 100 | 135566 | 1355.660 | 9.66 |
| OD07056-CAL3 | 100 | 131499 | 1314.990 | 9.66 |
| OD07056-CAL4 | 100 | 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**

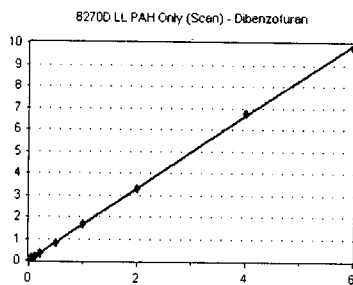
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Dibenzofuran

Curve Fit: **AVERAGE RF**

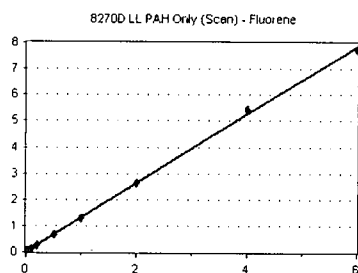


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|------|
| OD07056-CAL1 | 1 | 2370 | 1.583 | 9.87 |
| OD07056-CAL2 | 2 | 4370 | 1.612 | 9.87 |
| OD07056-CAL3 | 5 | 10882 | 1.655 | 9.87 |
| OD07056-CAL4 | 10 | 23912 | 1.699 | 9.87 |
| 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**

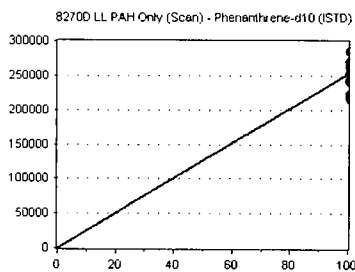


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2108 | 1.408 | 10.22 |
| OD07056-CAL2 | 2 | 3434 | 1.267 | 10.22 |
| OD07056-CAL3 | 5 | 8294 | 1.261 | 10.22 |
| OD07056-CAL4 | 10 | 18241 | 1.296 | 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**

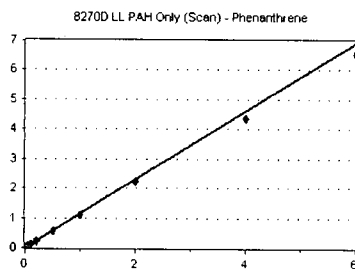


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 271576 | 2715.760 | 11.17 |
| OD07056-CAL2 | 100 | 223200 | 2232.000 | 11.17 |
| OD07056-CAL3 | 100 | 216520 | 2165.200 | 11.17 |
| OD07056-CAL4 | 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:

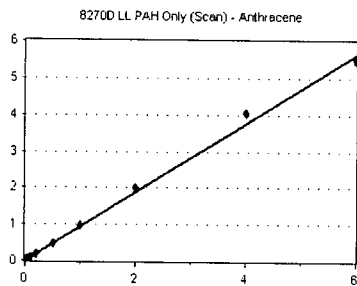
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Anthracene

Curve Fit: **AVERAGE RF**

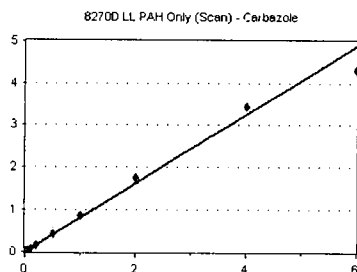


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2627 | 0.967 | 11.24 |
| OD07056-CAL2 | 2 | 3785 | 0.848 | 11.24 |
| OD07056-CAL3 | 5 | 9521 | 0.879 | 11.24 |
| OD07056-CAL4 | 10 | 22111 | 0.907 | 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**

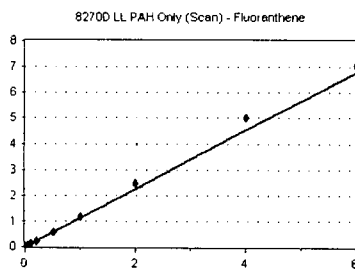


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2085 | 0.768 | 11.40 |
| OD07056-CAL2 | 2 | 3308 | 0.741 | 11.40 |
| OD07056-CAL3 | 5 | 8731 | 0.806 | 11.40 |
| OD07056-CAL4 | 10 | 20204 | 0.829 | 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**

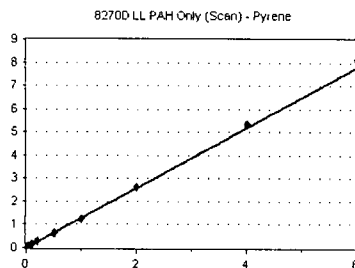


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2793 | 1.028 | 12.46 |
| OD07056-CAL2 | 2 | 4694 | 1.052 | 12.46 |
| OD07056-CAL3 | 5 | 11760 | 1.086 | 12.46 |
| OD07056-CAL4 | 10 | 27227 | 1.117 | 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:

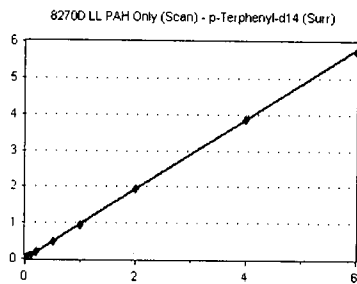
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

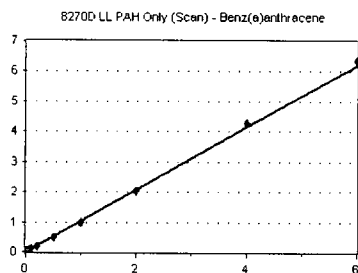


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2235 | 0.994 | 12.95 |
| OD07056-CAL2 | 2 | 3444 | 0.919 | 12.95 |
| OD07056-CAL3 | 5 | 9709 | 0.942 | 12.95 |
| OD07056-CAL4 | 10 | 22061 | 0.984 | 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**

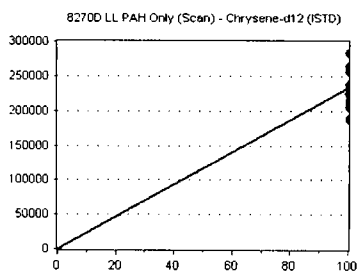


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 2758 | 1.227 | 14.92 |
| OD07056-CAL2 | 2 | 4134 | 1.103 | 14.92 |
| OD07056-CAL3 | 5 | 10093 | 0.979 | 14.92 |
| OD07056-CAL4 | 10 | 21888 | 0.977 | 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**

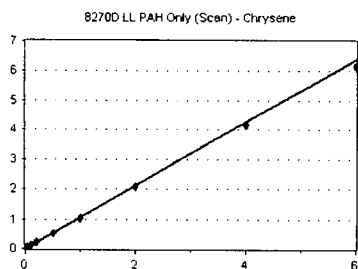


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 224745 | 2247.450 | 14.95 |
| OD07056-CAL2 | 100 | 187464 | 1874.640 | 14.94 |
| OD07056-CAL3 | 100 | 206205 | 2062.050 | 14.95 |
| OD07056-CAL4 | 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:

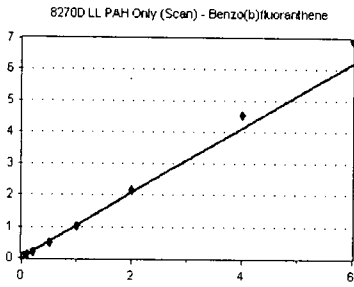
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

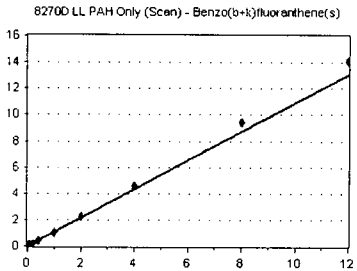


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1958 | 1.035 | 17.50 |
| OD07056-CAL2 | 2 | 3031 | 0.959 | 17.50 |
| OD07056-CAL3 | 5 | 8620 | 0.949 | 17.50 |
| OD07056-CAL4 | 10 | 20389 | 0.991 | 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**

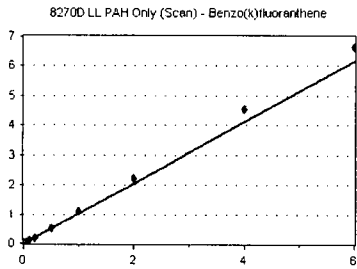


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 2 | 3809 | 1.007 | 17.50 |
| OD07056-CAL2 | 4 | 6349 | 1.005 | 17.50 |
| OD07056-CAL3 | 10 | 18526 | 1.020 | 17.50 |
| OD07056-CAL4 | 20 | 44218 | 1.074 | 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**

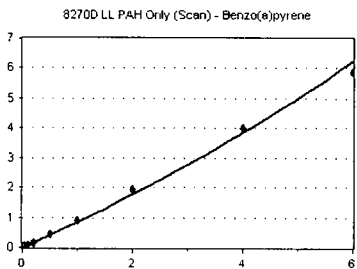


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1851 | 0.978 | 17.56 |
| OD07056-CAL2 | 2 | 2864 | 0.906 | 17.56 |
| OD07056-CAL3 | 5 | 8275 | 0.911 | 17.56 |
| OD07056-CAL4 | 10 | 20616 | 1.002 | 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:

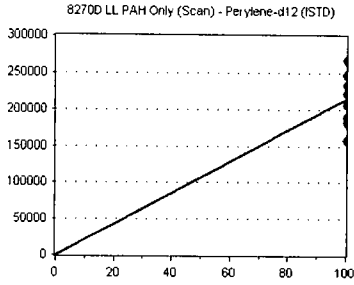
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

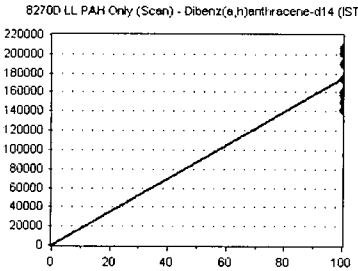


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 189170 | 1891.700 | 18.41 |
| OD07056-CAL2 | 100 | 158010 | 1580.100 | 18.41 |
| OD07056-CAL3 | 100 | 181653 | 1816.530 | 18.41 |
| OD07056-CAL4 | 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**

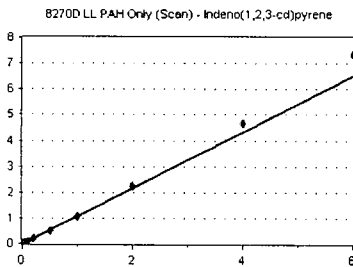


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 100 | 160677 | 1606.770 | 20.79 |
| OD07056-CAL2 | 100 | 141496 | 1414.960 | 20.79 |
| OD07056-CAL3 | 100 | 160102 | 1601.020 | 20.79 |
| OD07056-CAL4 | 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**

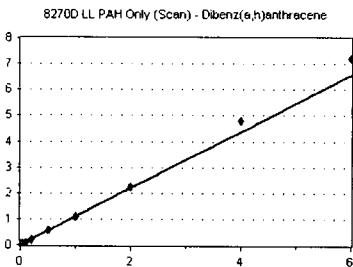


| Standard | Concentration | Response | Response Factor | RT |
|--------------|---------------|----------|-----------------|-------|
| OD07056-CAL1 | 1 | 1652 | 1.028 | 20.79 |
| OD07056-CAL2 | 2 | 2847 | 1.006 | 20.79 |
| OD07056-CAL3 | 5 | 8244 | 1.030 | 20.79 |
| OD07056-CAL4 | 10 | 18462 | 1.054 | 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:

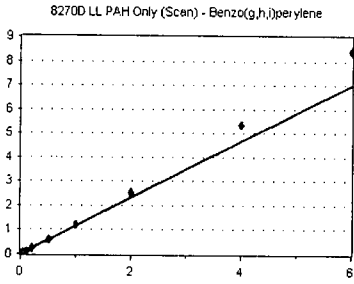
04/08/2020

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 |

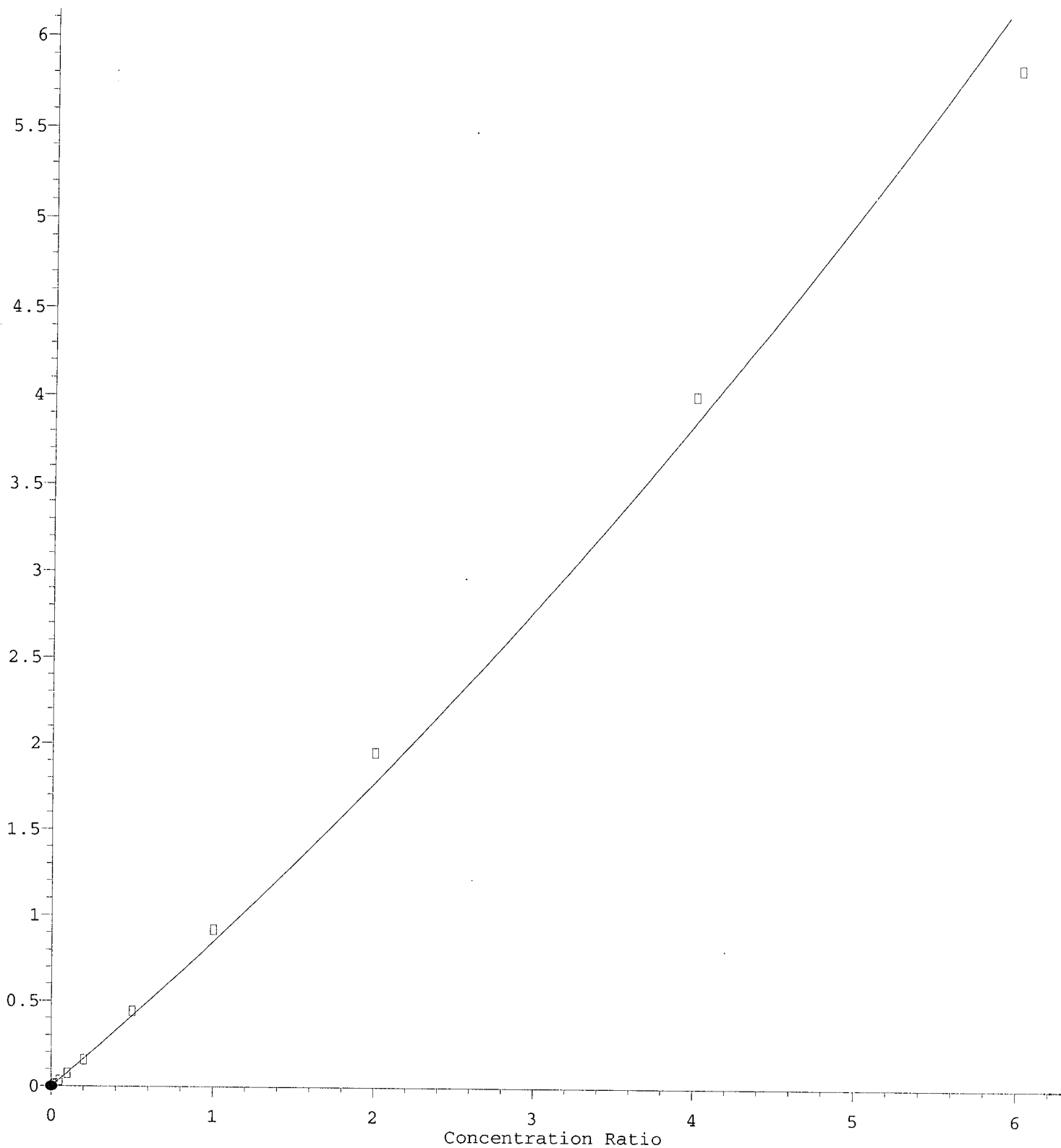
AVE RF **1.165**

RF RSD **12.77**

AVE RT **21.33**

Benzo(a)pyrene

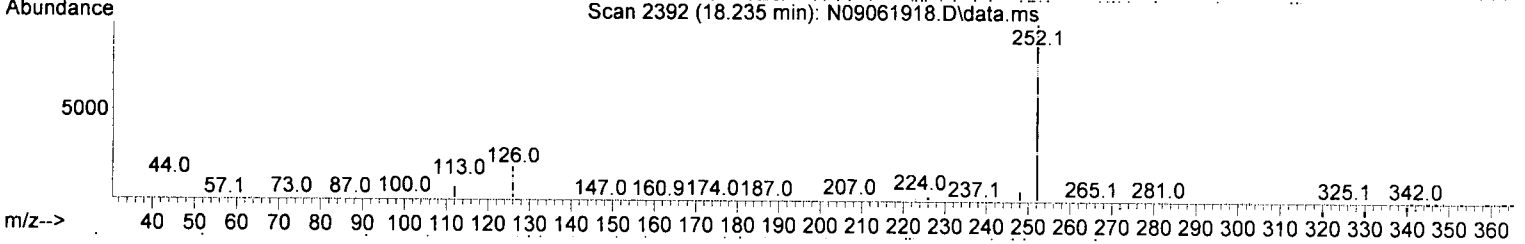
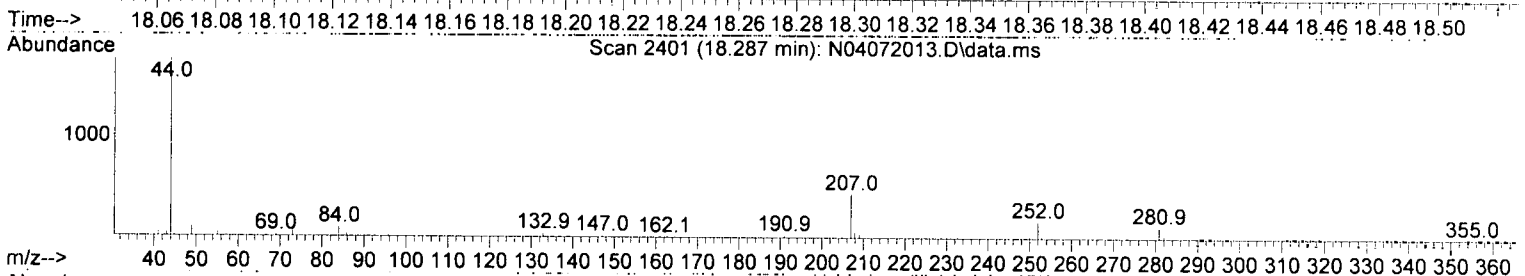
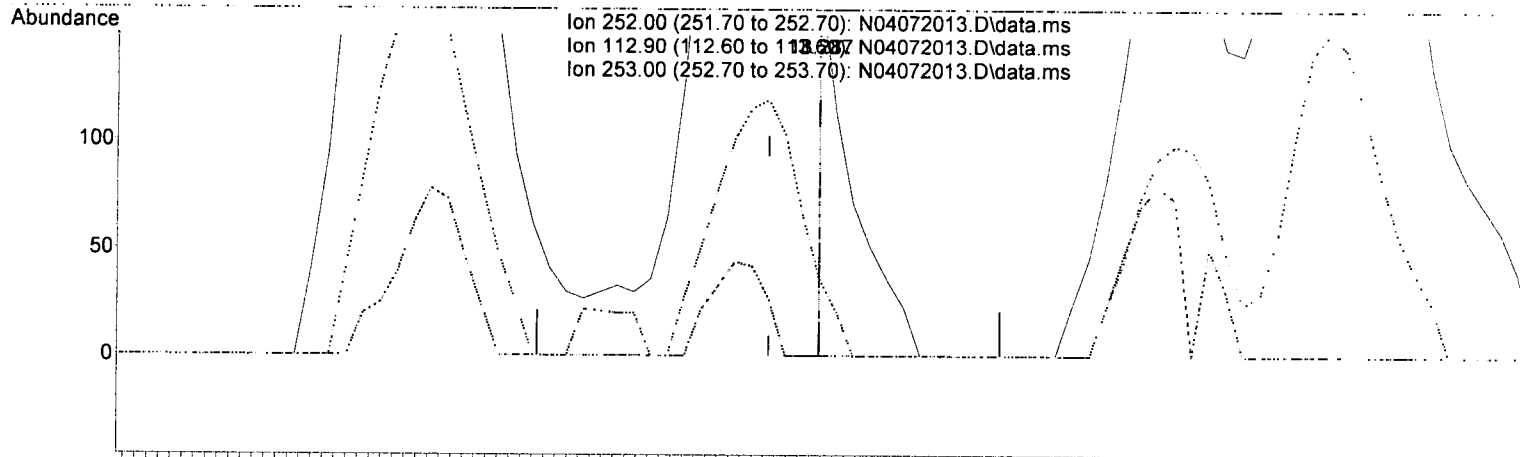
Response Ratio



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

| <u>SampleID</u> | <u>SampleName</u> | <u>Matrix</u> | <u>STDID</u> | <u>ISTD_ID</u> | <u>Analyzed</u> | |
|-----------------|-------------------|---------------|--------------|----------------|-----------------|------------|
| 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**

| | <u>Inst. MRL</u> | <u>Recalc Res.</u> | <u>Cal Level</u> | <u>%Rec.</u> | <u>Qual</u> |
|---------------------|------------------|--------------------|------------------|--------------|-------------|
| 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) |
|-------------------------------|--------|------|----------|----------|---------|----------|
| Internal Standards | | | | | | |
| 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 |
| Target Compounds | | | | | | |
| 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 |

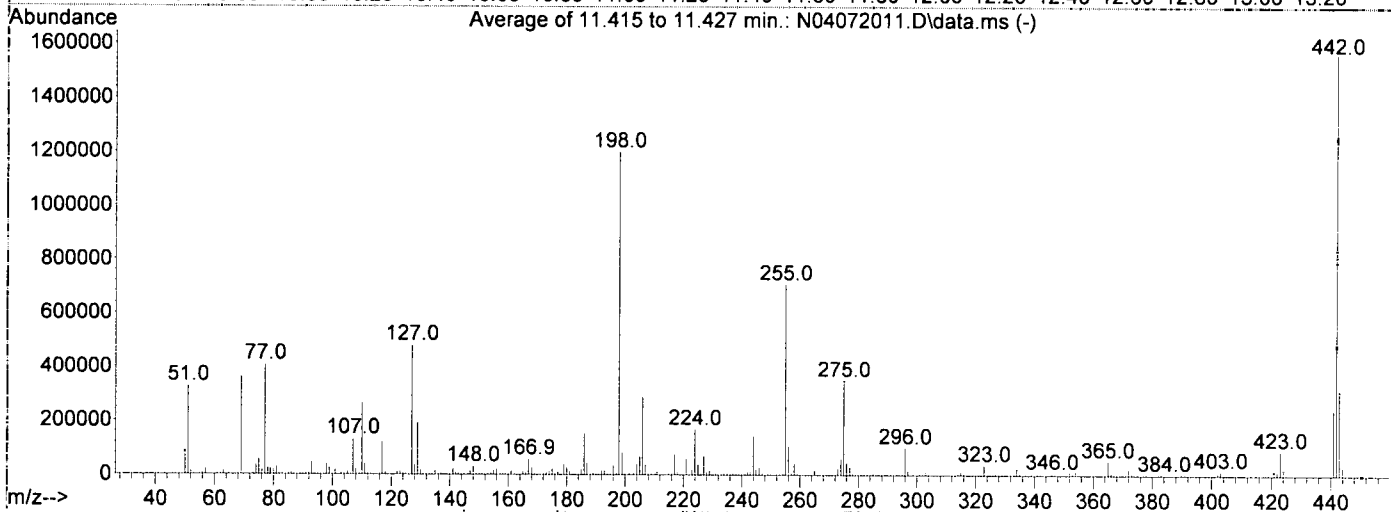
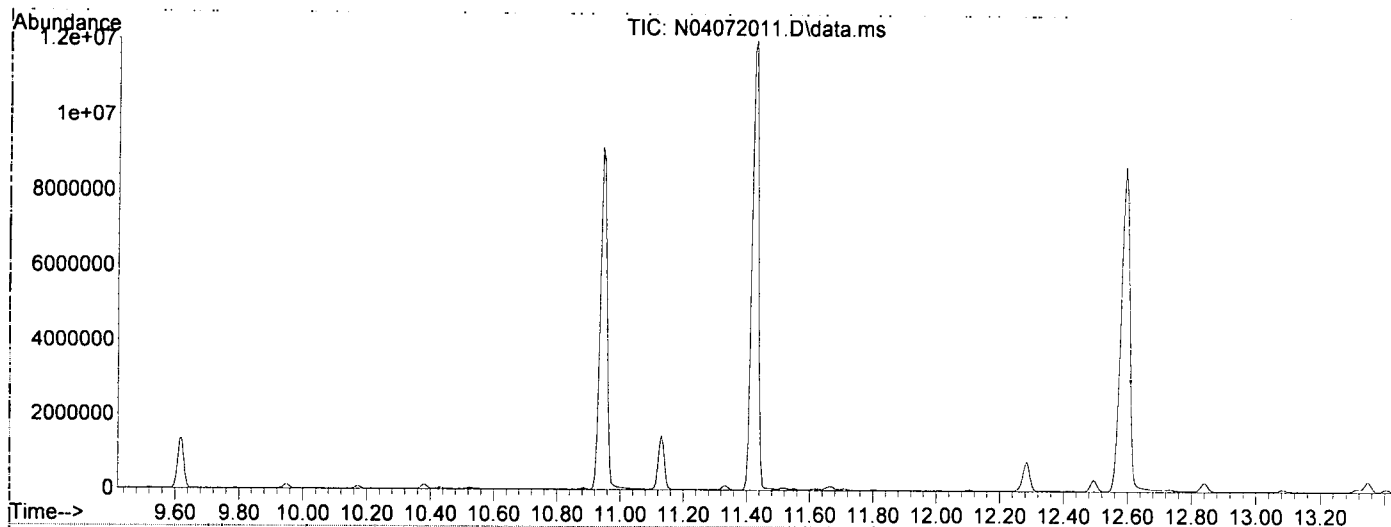
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

JK 4/8/20



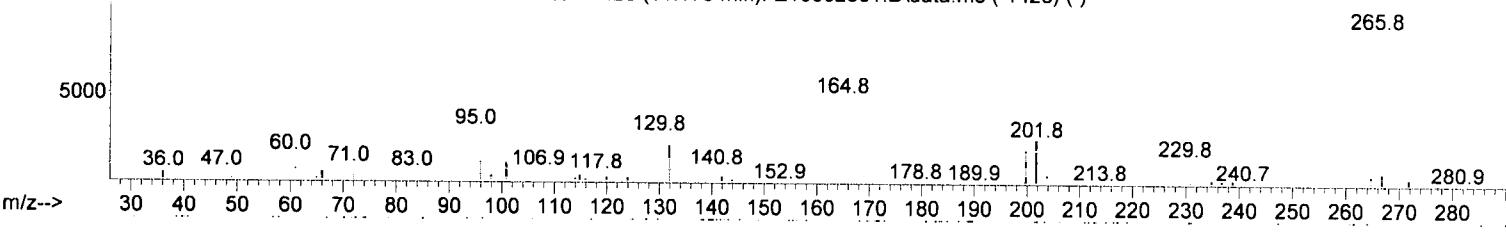
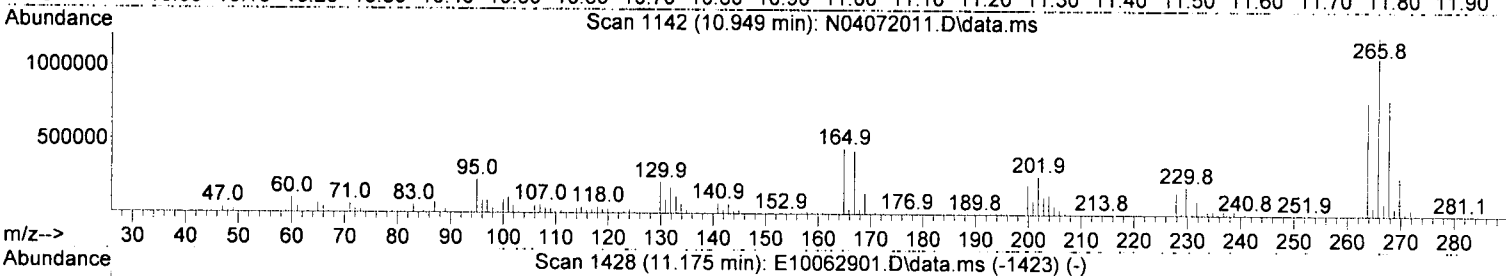
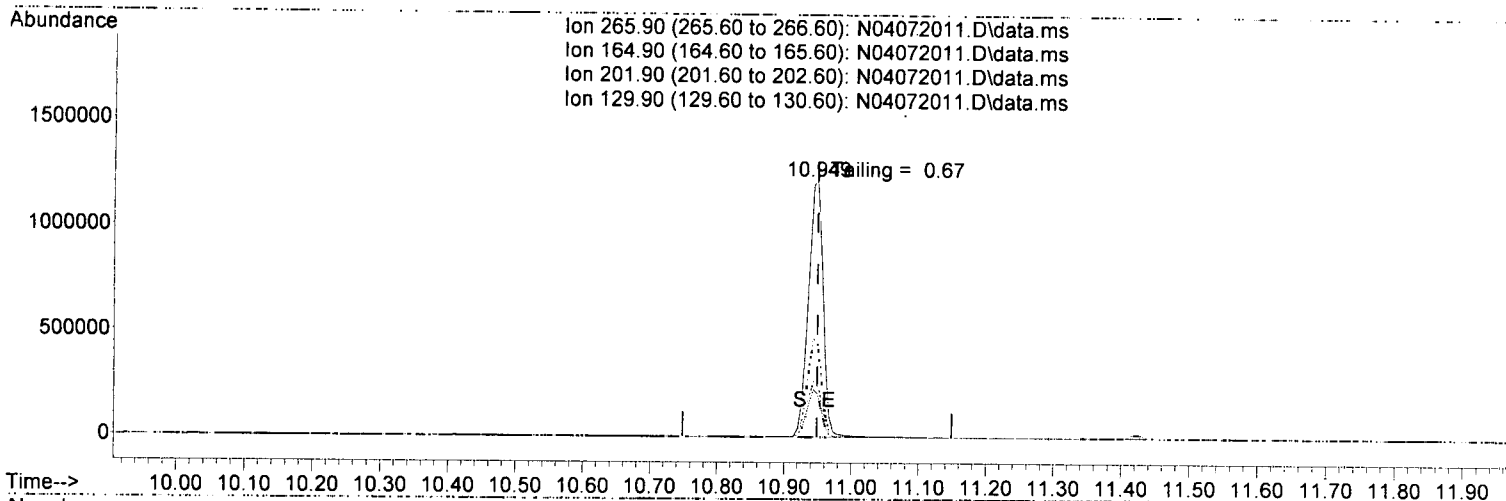
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

| 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

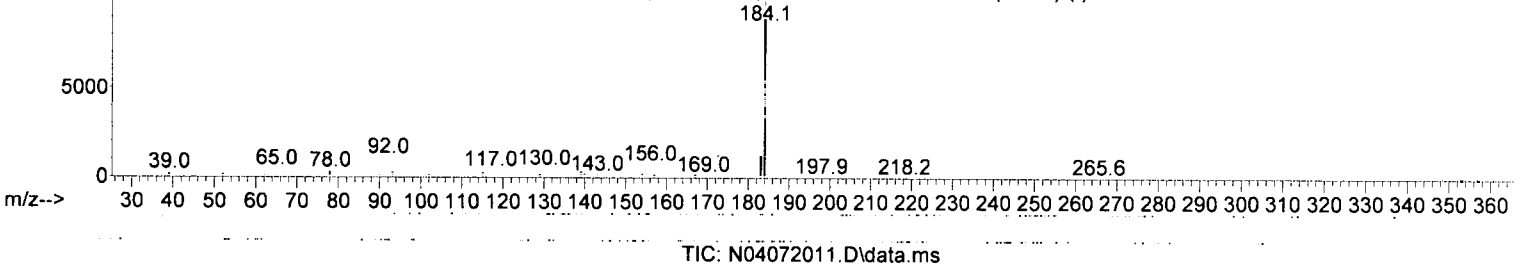
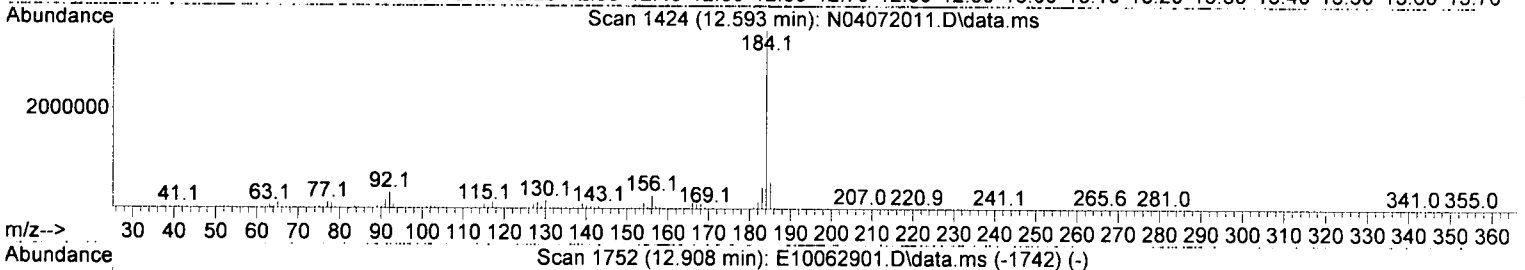
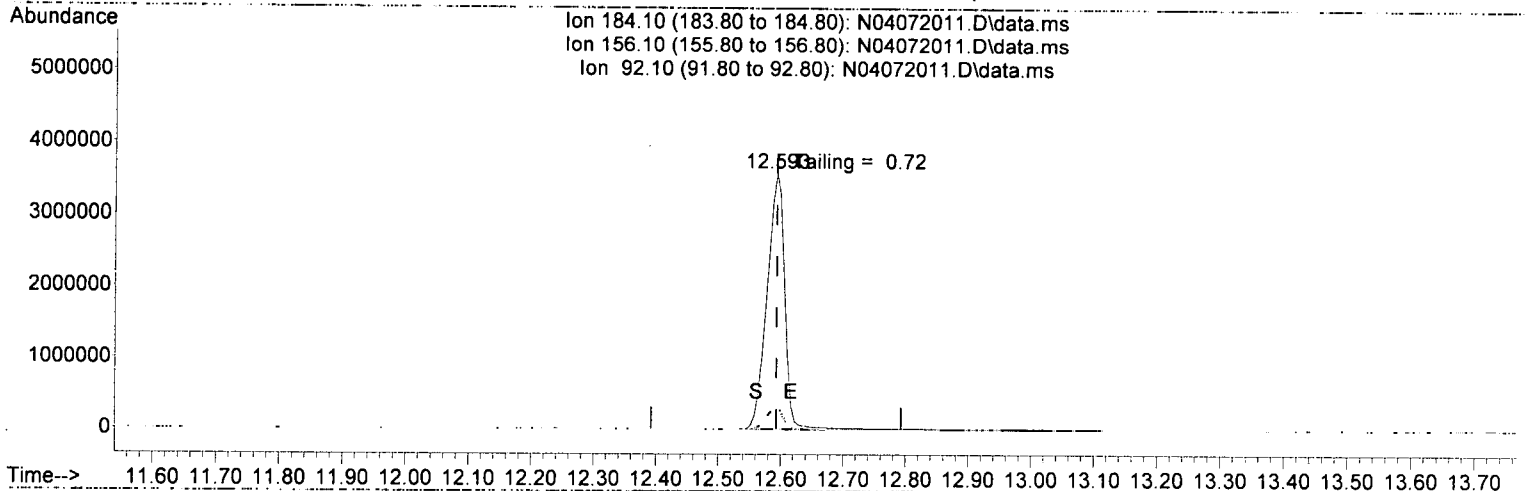
| Ion | Exp% | Act% |
|--------|--------|--------|
| 265.90 | 100.00 | 100.00 |
| 164.90 | 50.60 | 36.50 |
| 201.90 | 25.80 | 21.24 |
| 129.90 | 27.30 | 17.26 |

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 4/8/20

DDT Breakdown Check (Validated 5/1/2013)

From:
OD07056-TUN1
SV-GCMS14

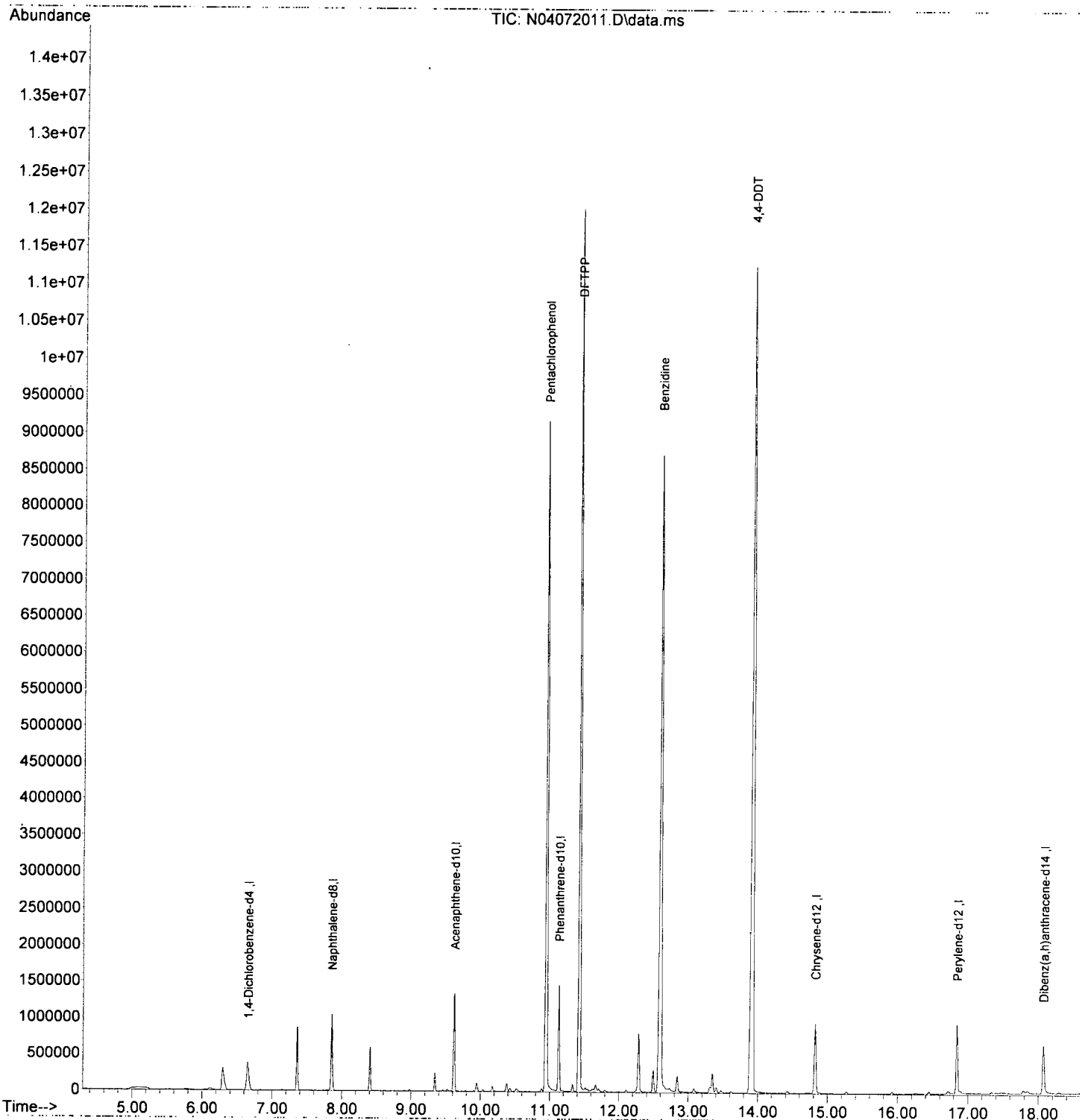
| First Column Area Counts | Percent Breakdown |
|--------------------------|-------------------|
| DDE 341628 | |
| DDD 396978 | |
| DDT 24135849 | 2.97 PASS |

✓
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

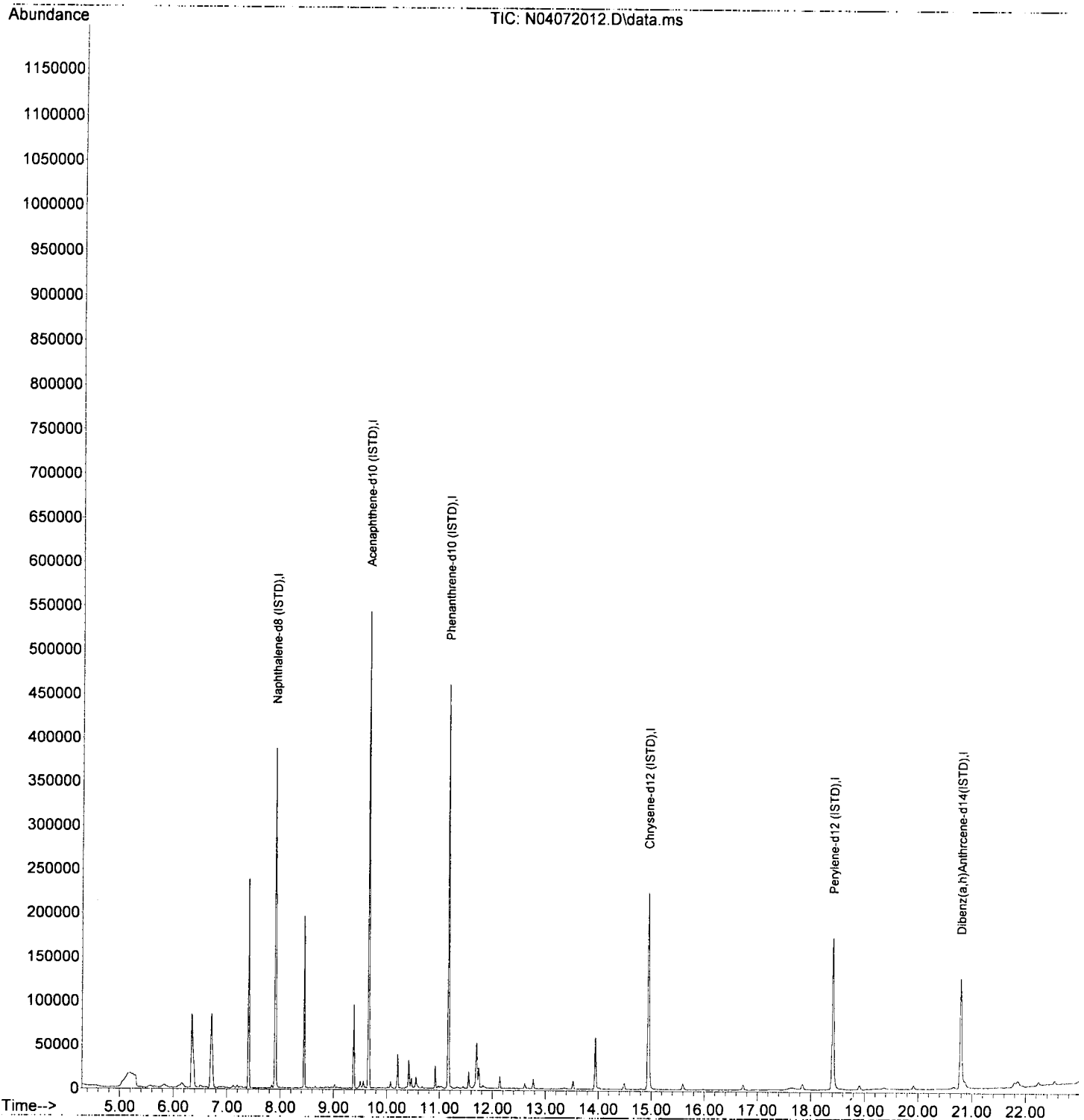
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 278751 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| 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

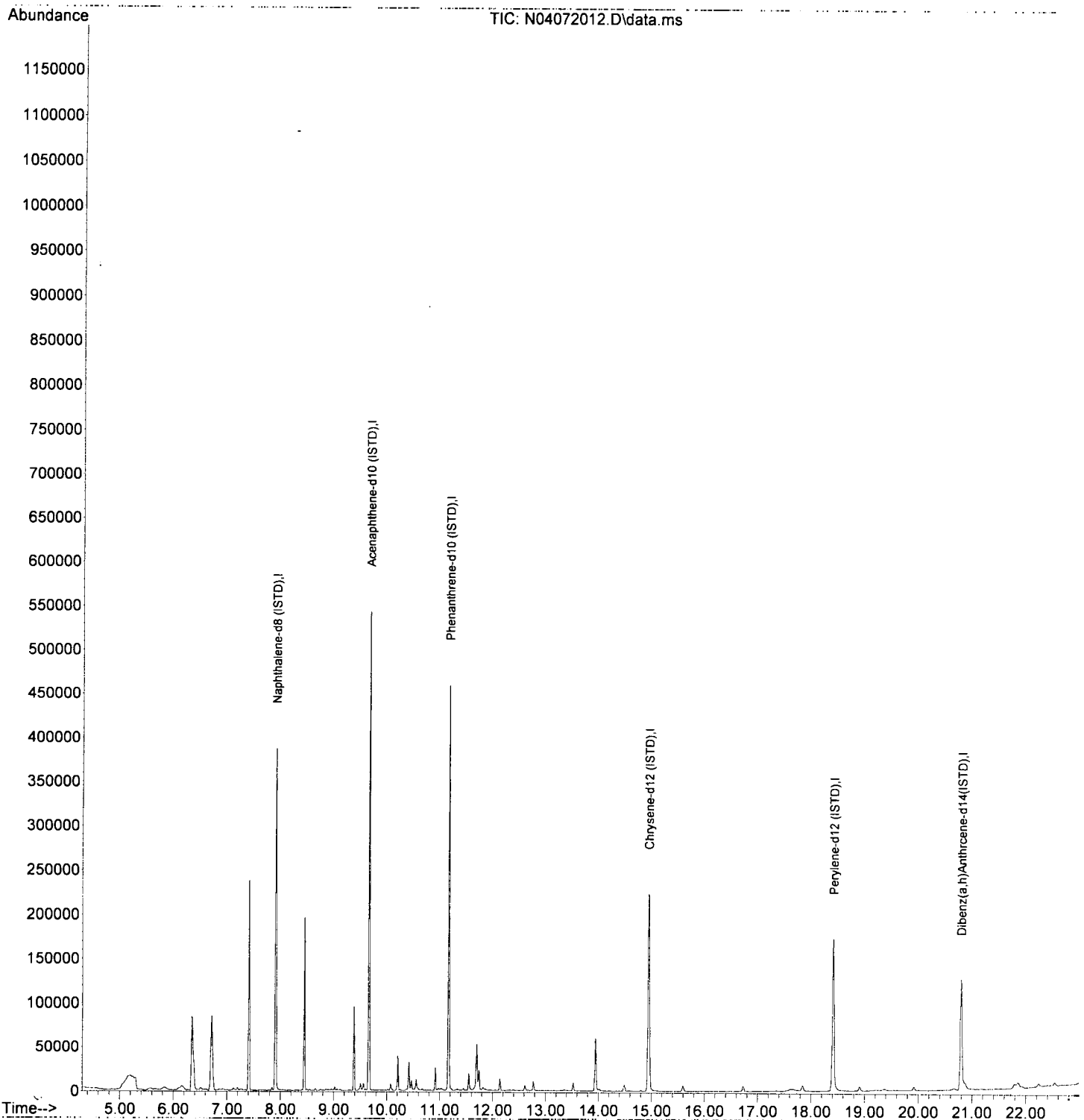
AD 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 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 |
| System Monitoring Compounds | | | | | | |
| 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 |
| Target Compounds | | | | | | |
| 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

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

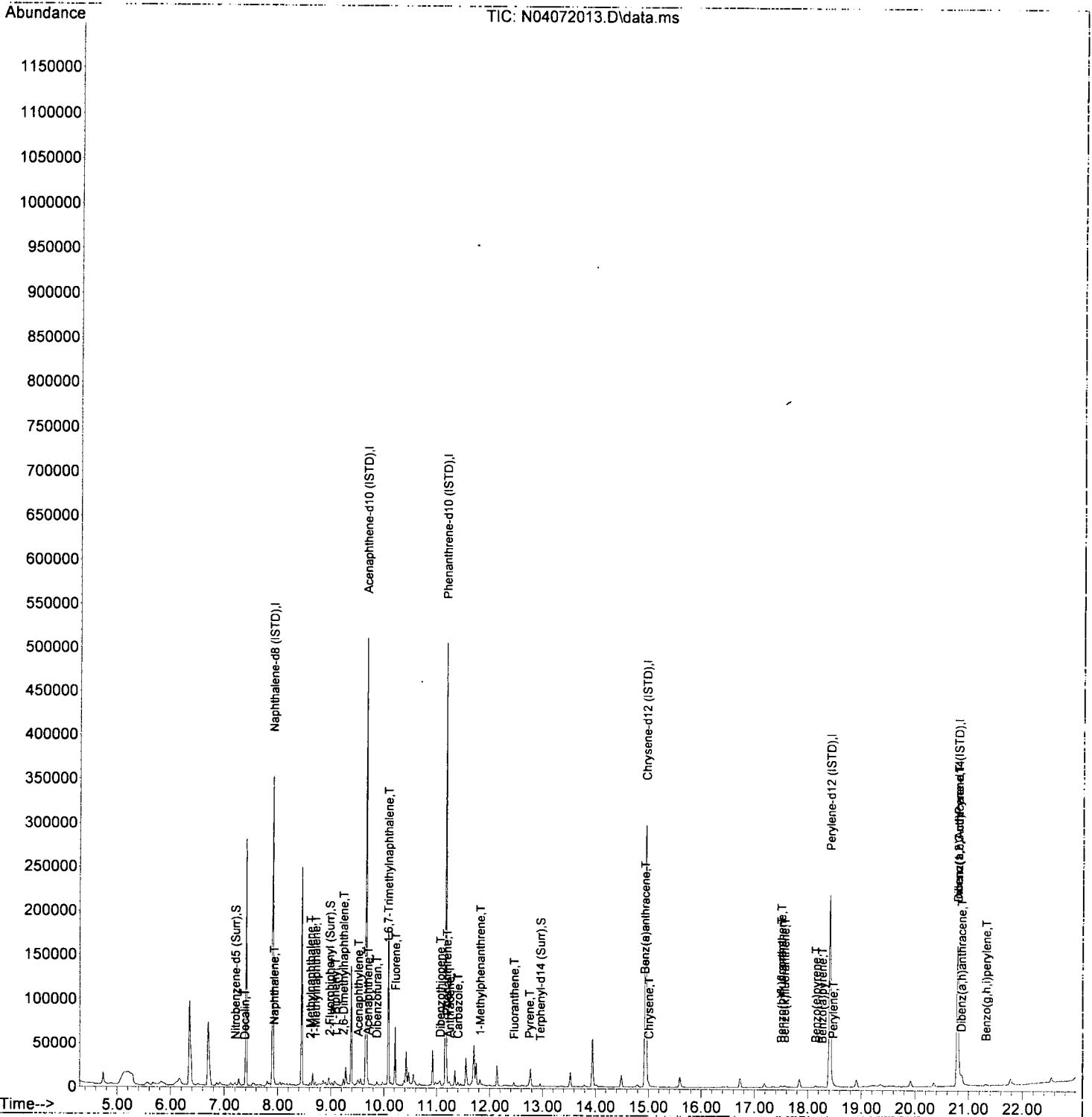
JK 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

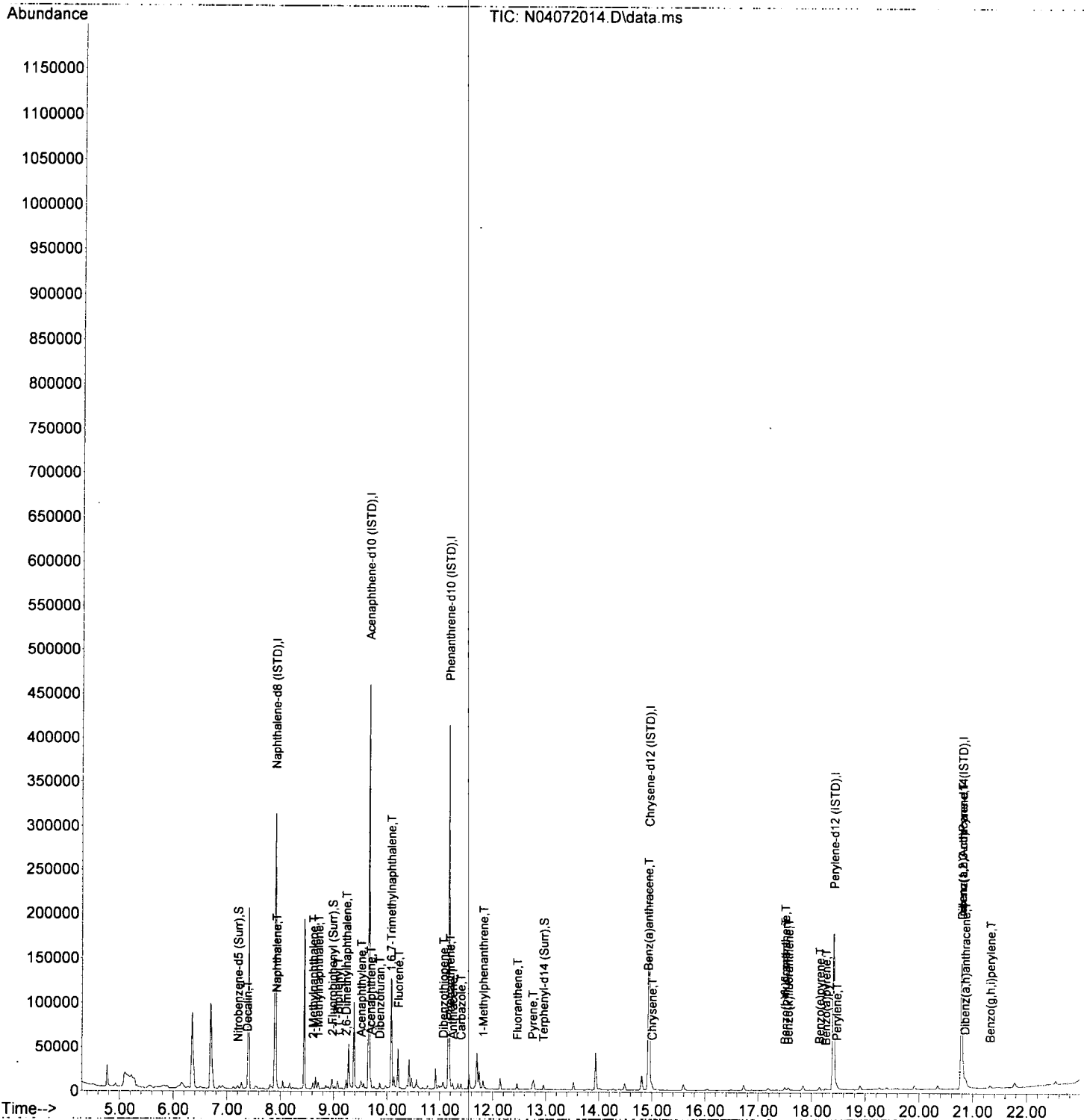
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 243705 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

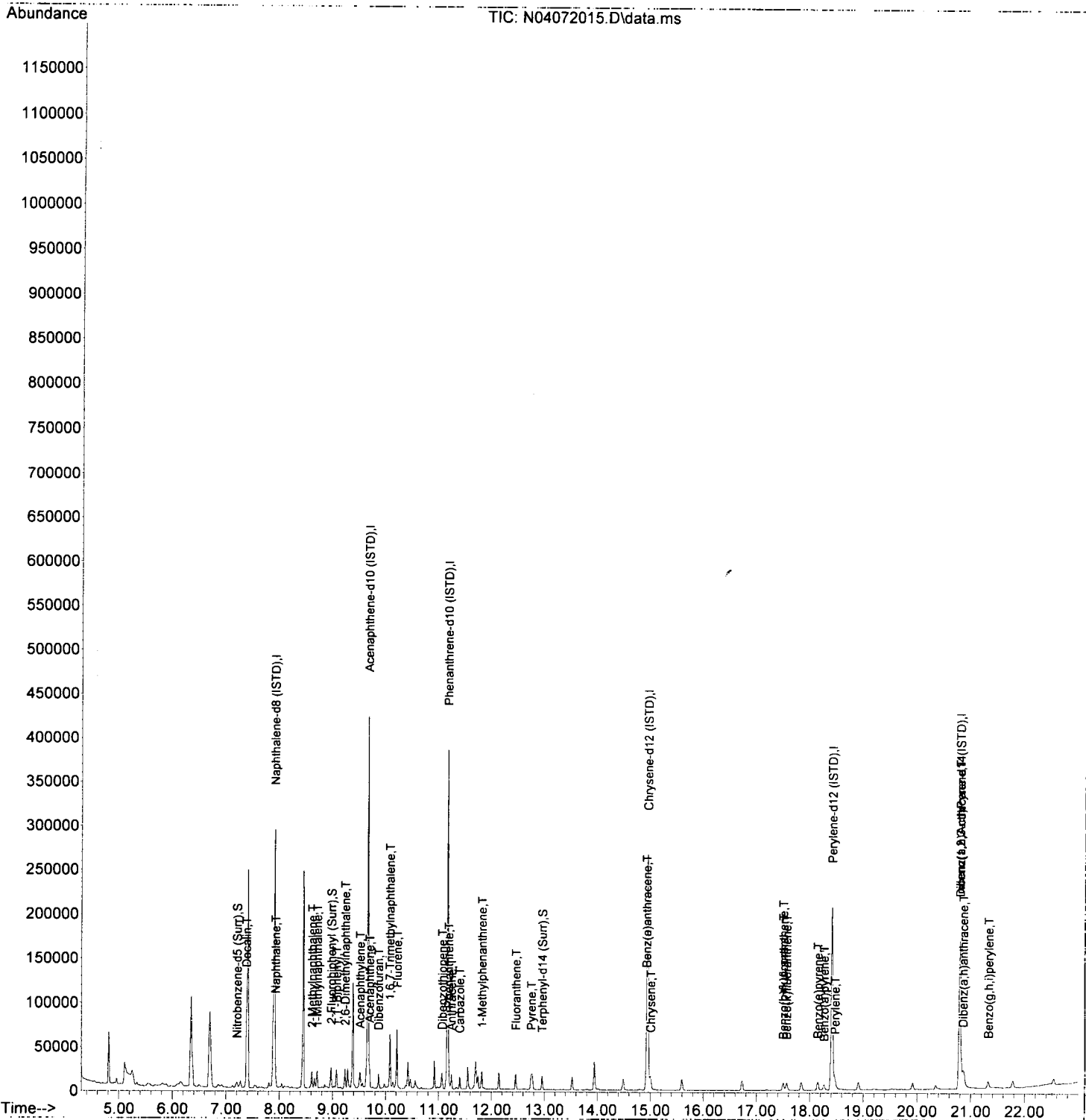
9/2 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

Qd 4/8/20

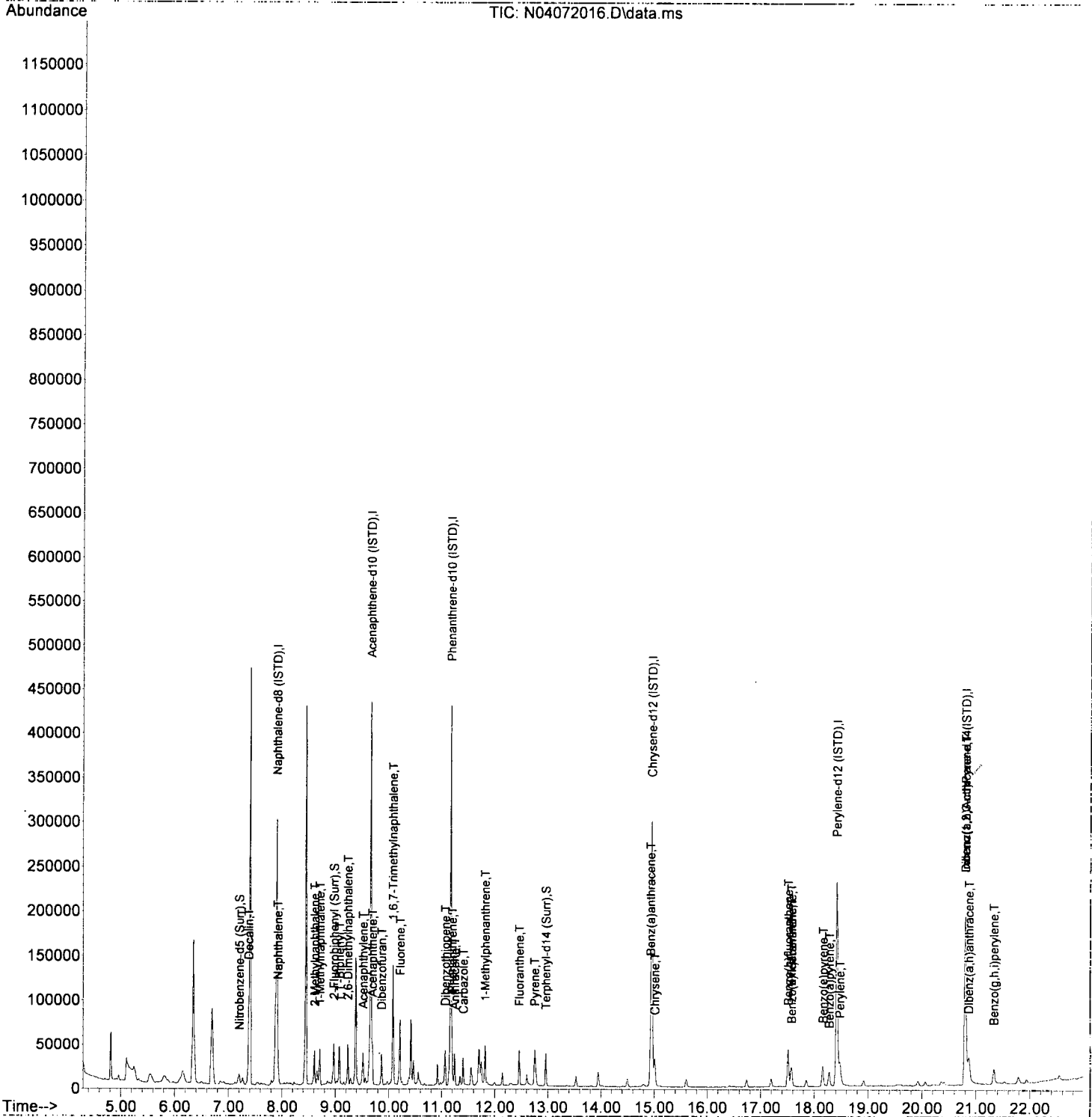
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.907 | 136 | 270985 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

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



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

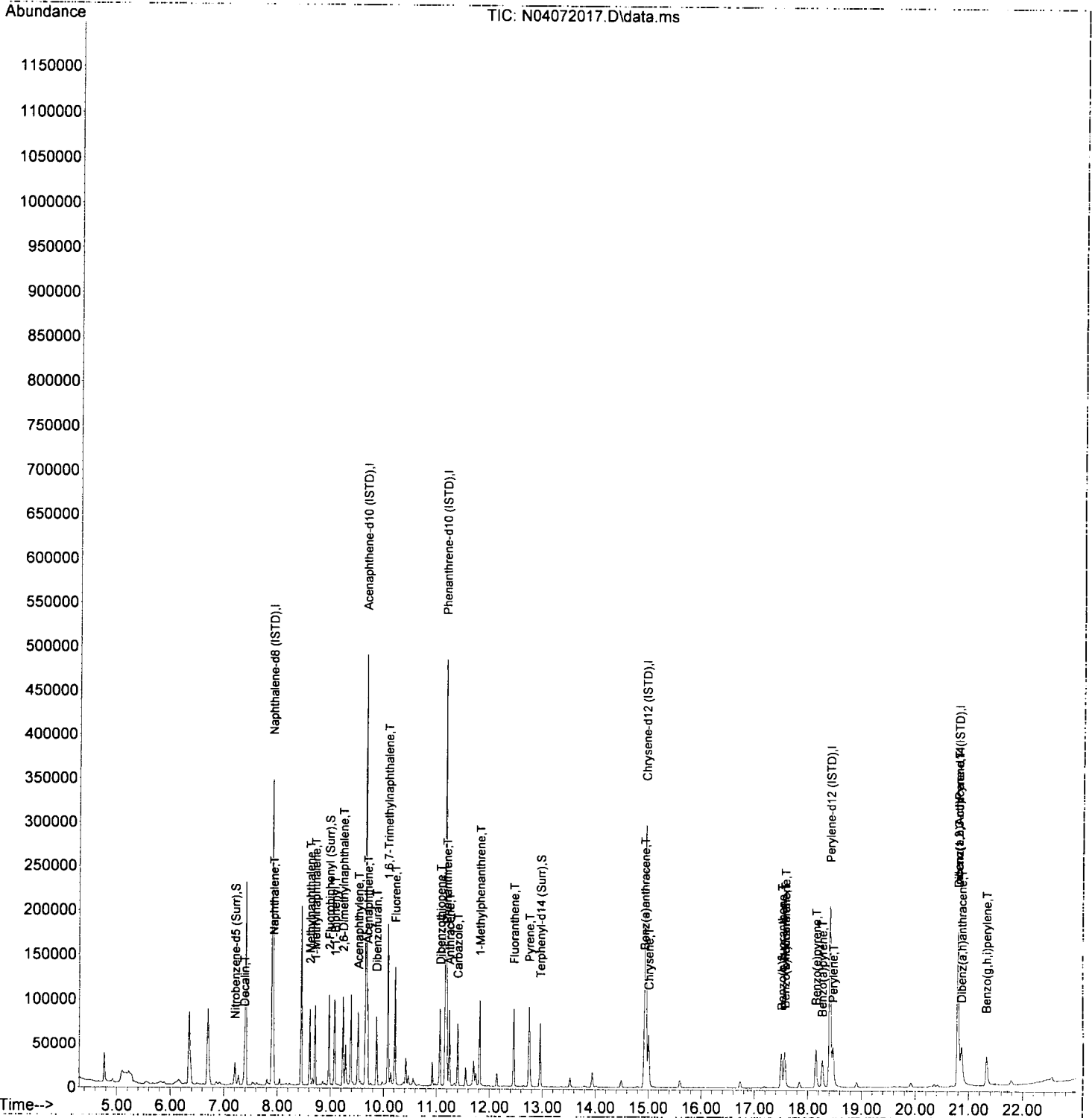
9/27/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

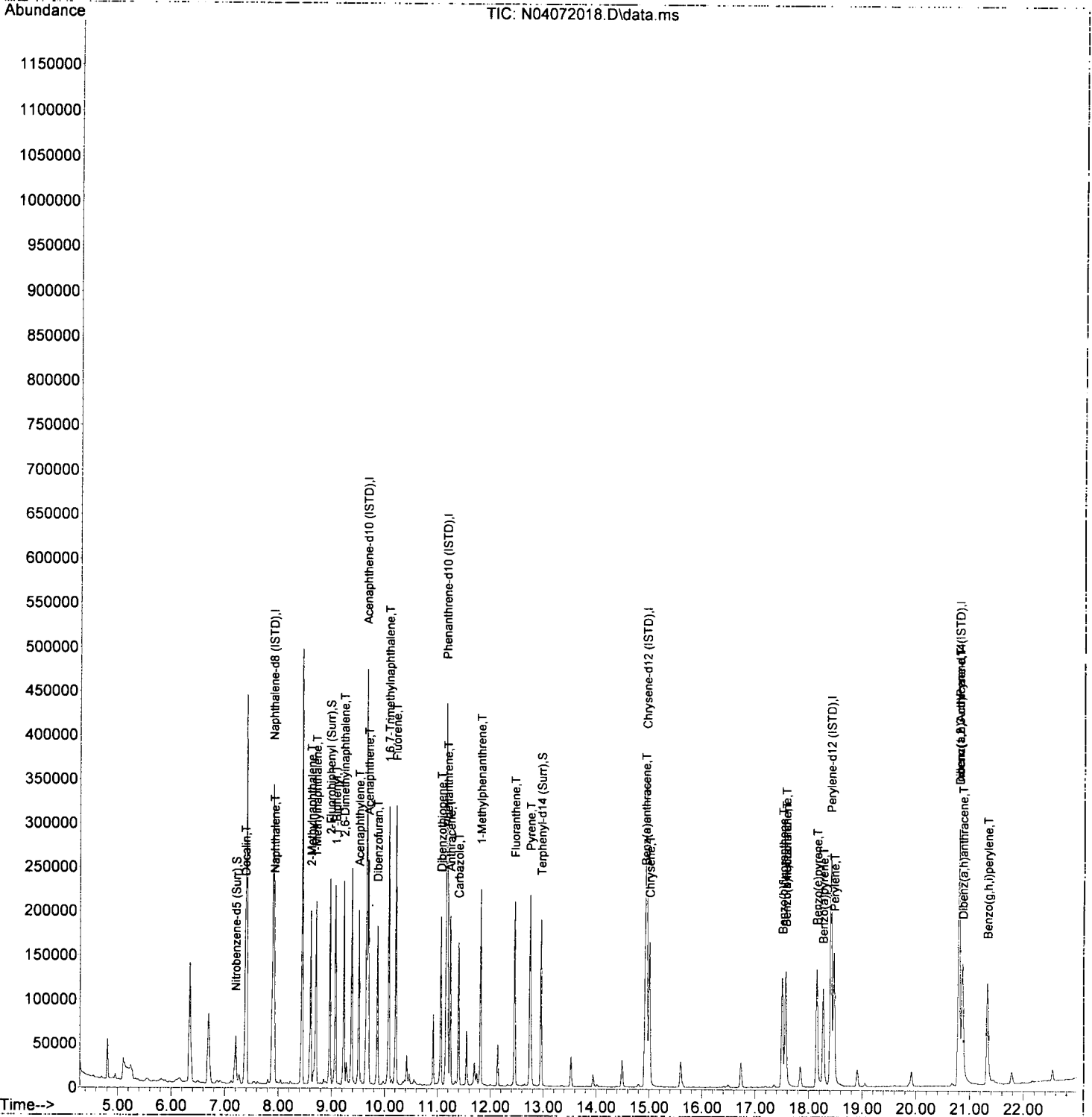
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 265079 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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 : 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



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

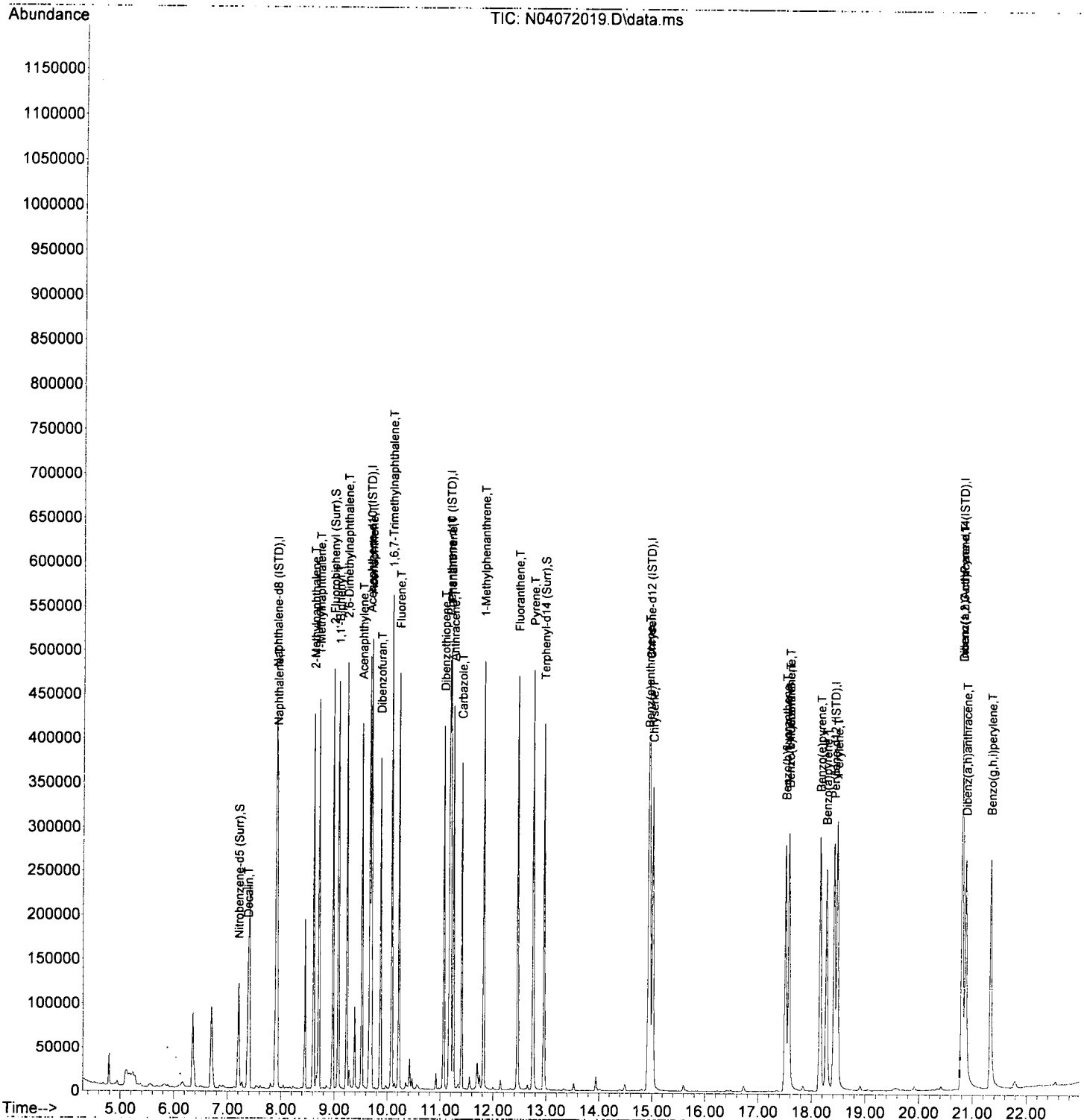
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 270936 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

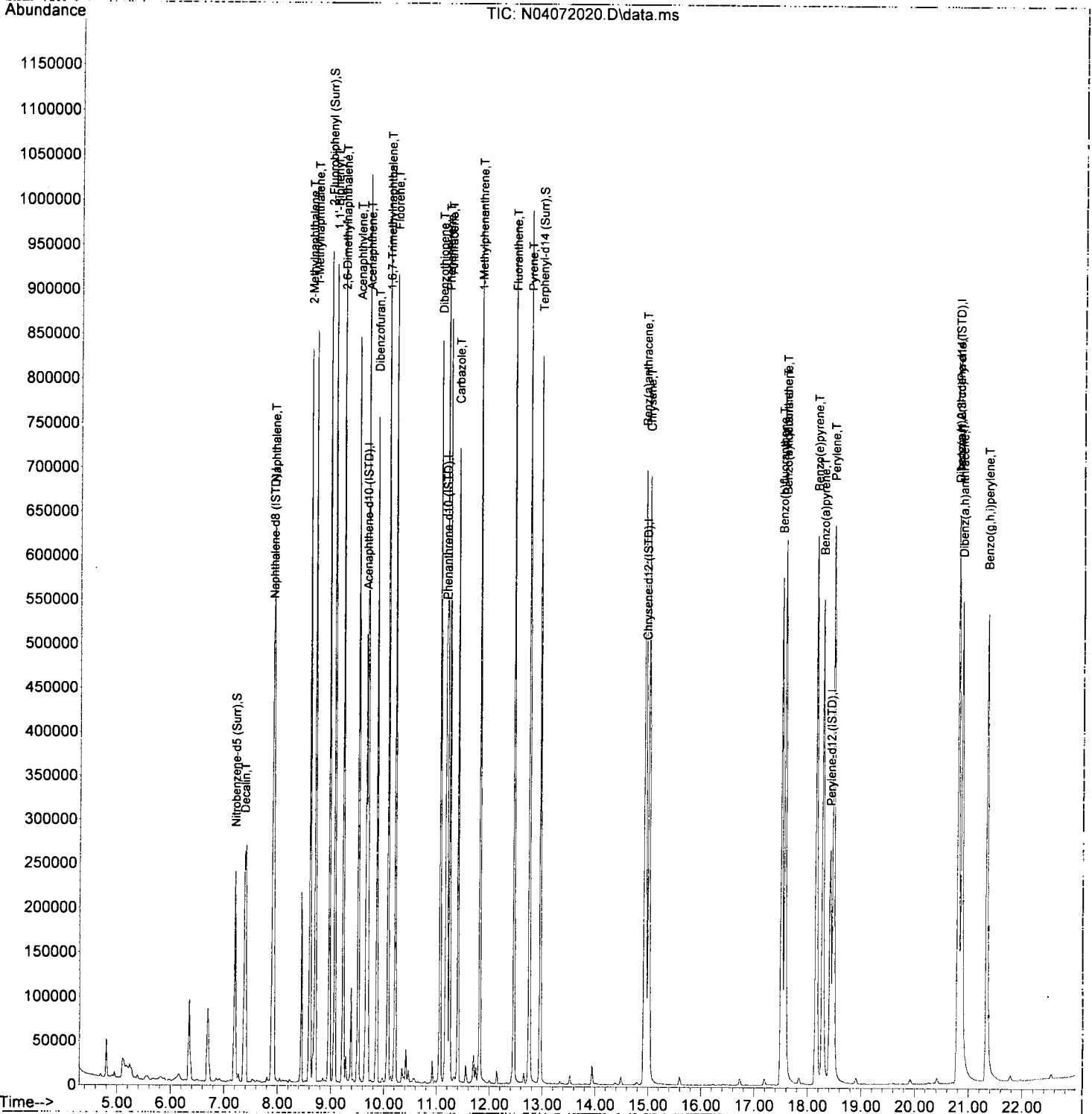
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.906 | 136 | 259002 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

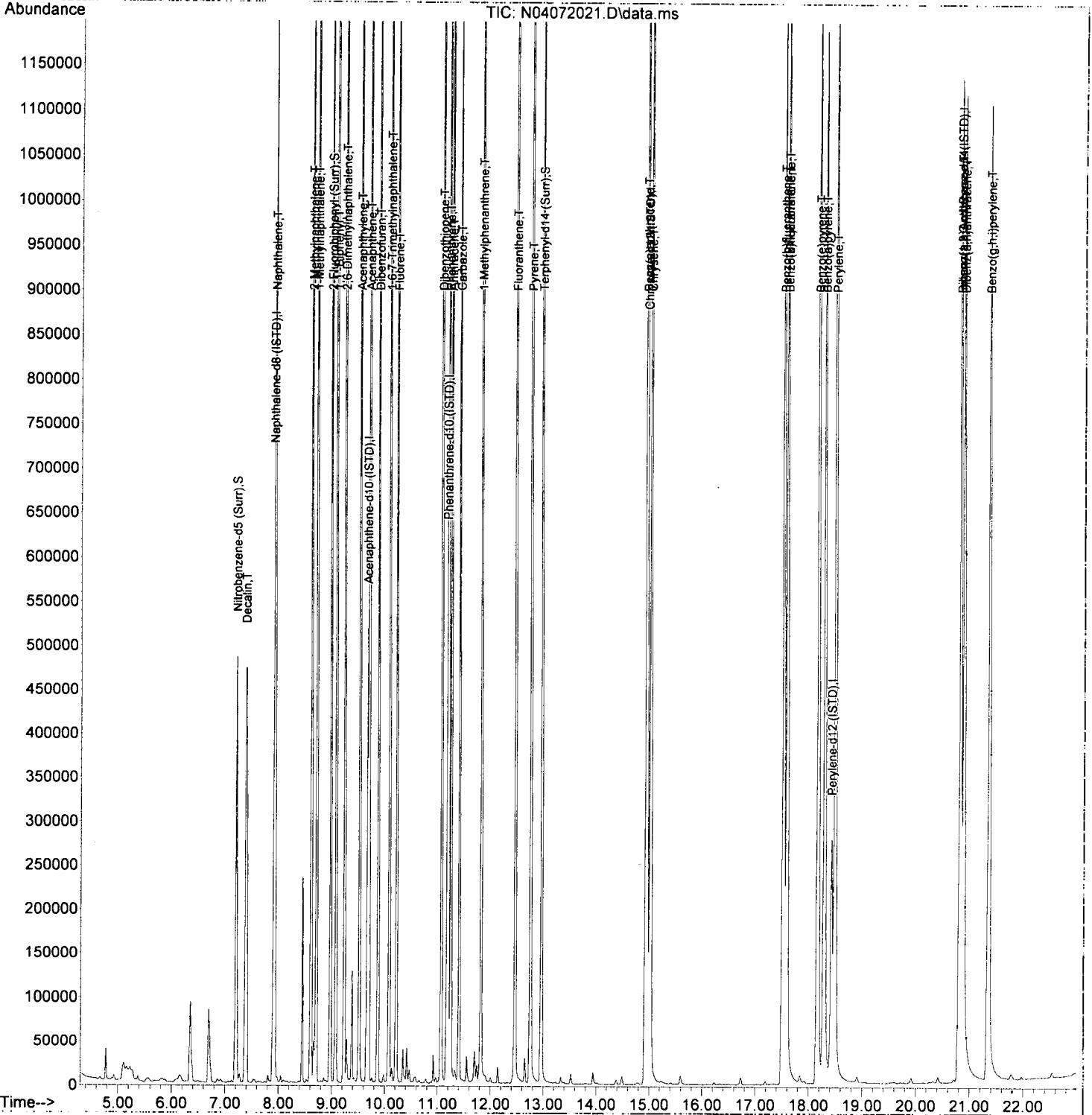
Jd 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

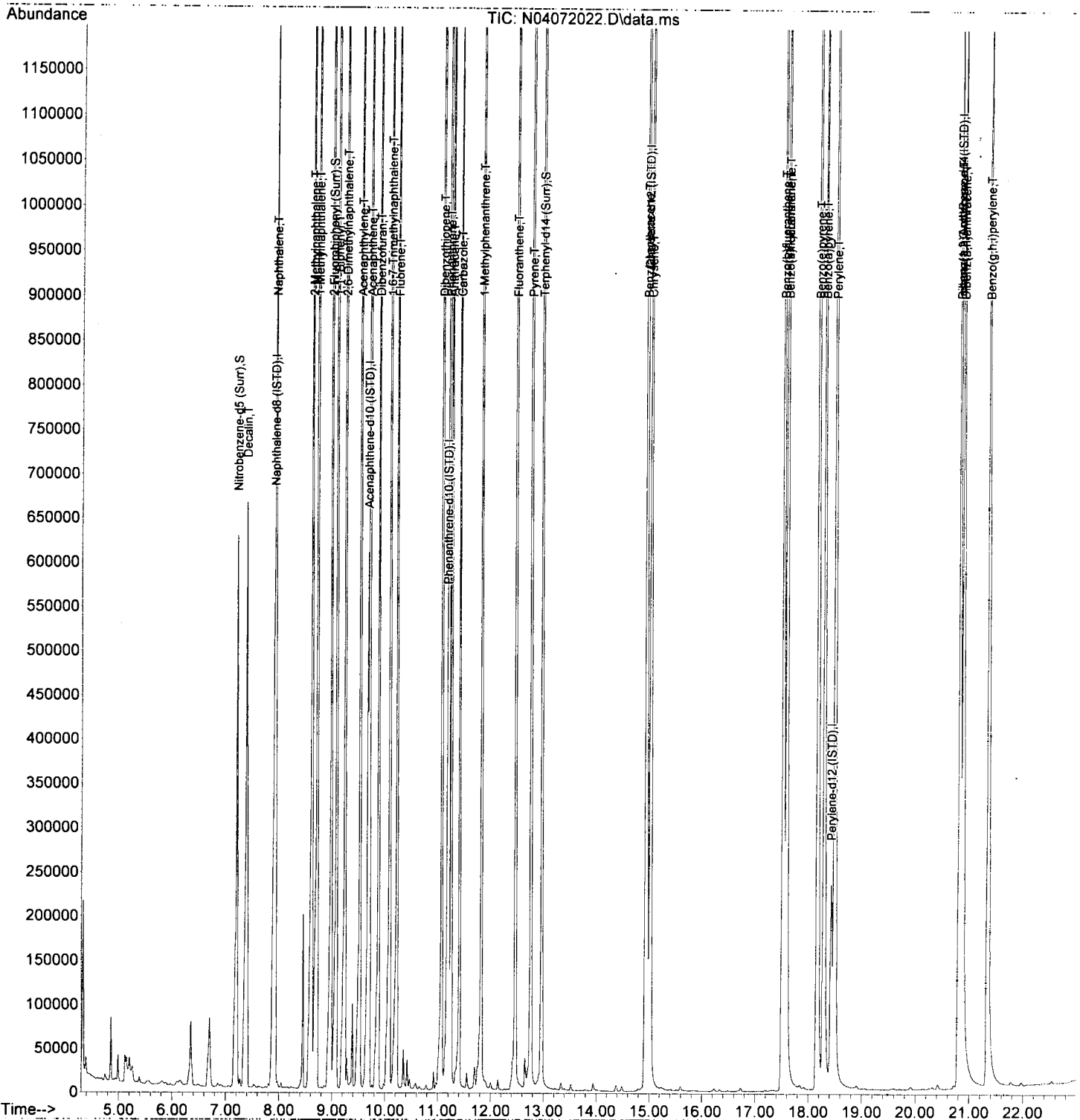
JK 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|---------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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 | 666.58 | 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

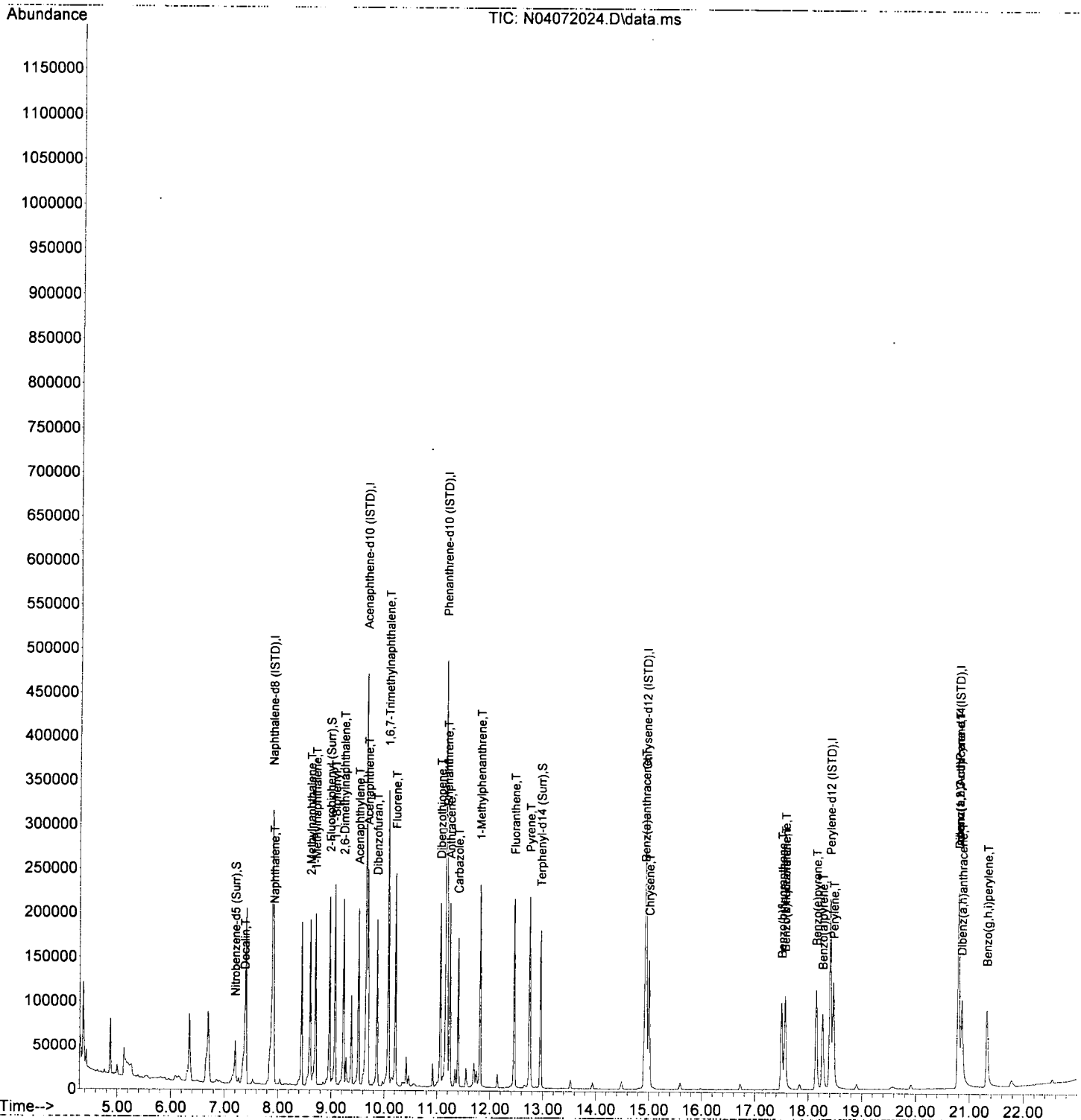
JK 4/8/20

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|------|----------|--------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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

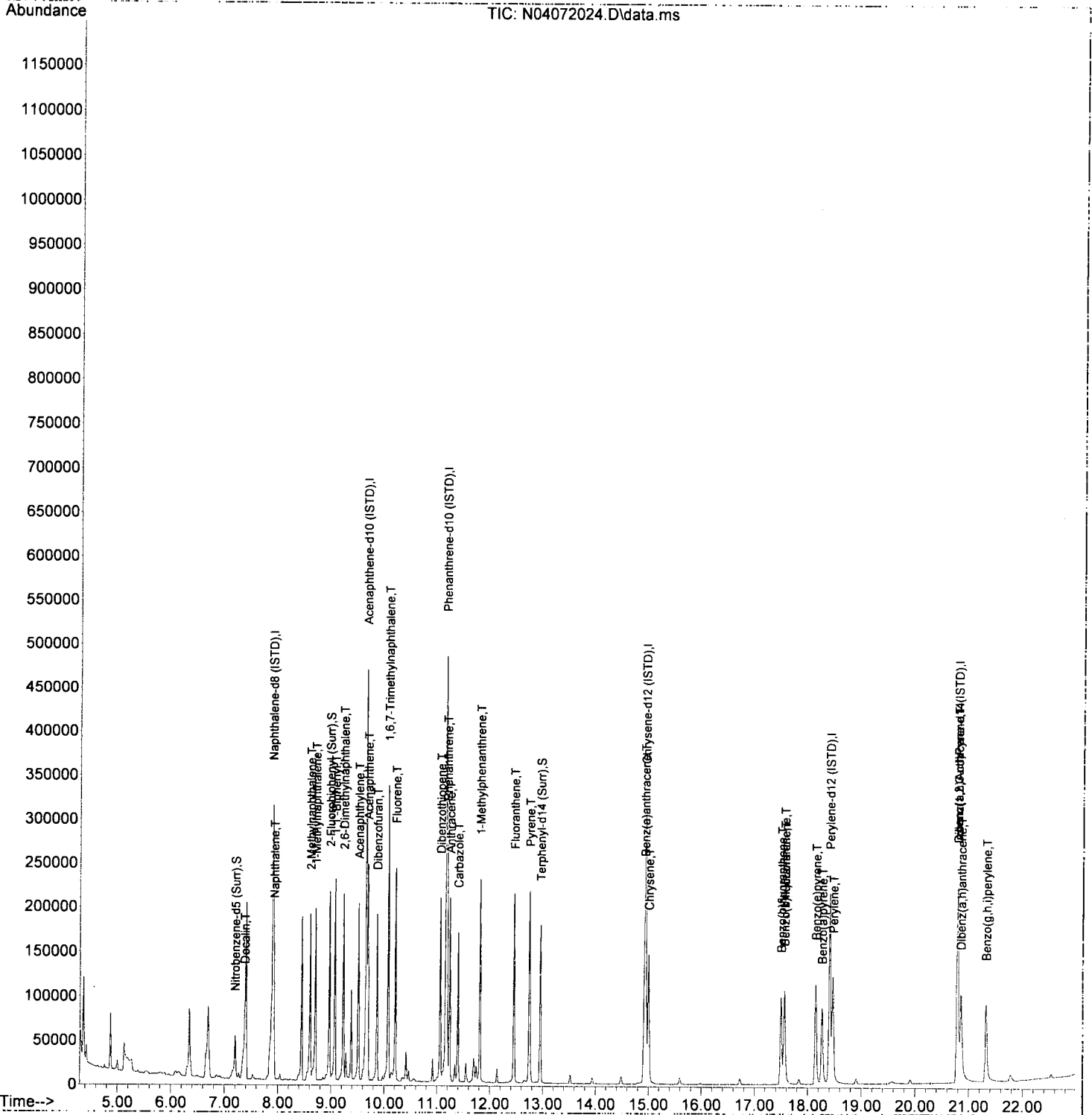
| Compound | R.T. | QIon | Response | Conc | Units | Dev (Min) | |
|------------------------------------|--------|------|----------|--------|-------|-----------|--------|
| Internal Standards | | | | | | | |
| 1) Naphthalene-d8 (ISTD) | 7.901 | 136 | 265379 | 100.00 | ng/ml | 0.00 | |
| 9) Acenaphthene-d10 (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 | |
| System Monitoring Compounds | | | | | | | |
| 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 | |
| Target Compounds | | | | | | | |
| | | | | | | | 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
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Batch 0040469

Sequence 0D17045 (A0D0212-01,02,03,04,05,06,07,08,09)



Apex Laboratories
PREPARATION BENCH SHEET

APR 28 2020

BATCH #: 0040469 (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 | 5/6 | >11 | |
| | 0040469-BLK1 | QC | 04/14/20 13:18 | 0.2 | 0.2 | | | | | | | | | | |
| | 0040469-BS1 | QC | 04/14/20 13:18 | 0.2 | 0.2 | A19K246 | | 1 ✓ | | | | | | | |
| | A0D0207-01 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-057SC-A-09-10-191023 | | | | | |
| | 0040469-DUP3 | QC | 04/14/20 13:18 | 0.2 | 0.2 | | A0D0207-01 | | | | | | | | |
| | A0D0207-02 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-057SC-A-10-11-191023 | | | | | |
| | A0D0207-03 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-057SC-A-11-12-191023 | | | | | |
| | A0D0207-04 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-057SC-A-12-13-191023 | | | | | |
| | A0D0207-05 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-062SC-A-11-12-191023 | | | | | |
| | A0D0207-06 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-062SC-A-12-13-191023 | | | | | |
| | A0D0210-01 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-076SC-A-06-07-191013 | | | | | |
| | 0040469-DUP4 | QC | 04/14/20 13:18 | 0.2 | 0.2 | | A0D0210-01 | | | | | | | | |
| | A0D0210-02 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-076SC-A-07-08-191013 | | | | | |
| | A0D0212-01 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-03-04-191014 | MS/MSD/DUP | | | | |
| | 0040469-DUP1 | QC | 04/14/20 13:18 | 0.2 | 0.2 | | A0D0212-01 | | | | | | | | |
| | 0040469-DUP2 | QC | 04/14/20 13:18 | 0.2 | 0.2 | | A0D0212-01 | | | | | | | | |
| | A0D0212-02 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-04-05-191014 | | | | | |
| | A0D0212-03 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-05-06-191014 | | | | | |
| | A0D0212-04 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-06-07-191014 | | | | | |
| | A0D0212-05 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-07-08-191014 | | | | | |
| | A0D0212-06 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-08-09-191014 | | | | | |
| | A0D0212-07 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-09-10-191014 | | | | | |

MAS
Prepared By: _____ Date: 4/21/20

COMP 4/21/2020
Reviewed By: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0040469 (Soil)

Prep Method: PSEP-5310B TOC

| # | Lab Number | Analysis | Prepared | Initial (N/A) | Final (N/A) | Spike ID | Source ID | ul Spike | ul Surr. | Sample ID | Extraction Comments | pH | | |
|---|------------|--|----------------|---------------|-------------|----------|-----------|----------|----------|--------------------------|---------------------|----|------|-----|
| | | | | | | | | | | | | <2 | 2-11 | >11 |
| | A0D0212-08 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-10-11-191014 | | | | |
| | A0D0212-09 | A Total Organic Carbon - Soil (5310 B) | 04/14/20 13:18 | 0.2 | 0.2 | | | | | PDI-077SC-A-11-12-191014 | | | | |

Standards/Reagents

| Reagent(s) | | | Analyte Spike(s) | | | Surrogate(s) | | |
|------------|-----------|------------------------------|------------------|-----------|-------------------------|--------------|-----------|-------------|
| Std ID | Exp. Date | Description | Std ID | Exp. Date | Description | Std ID | Exp. Date | Description |
| A19F020 | 06/03/29 | TOC Soil Drying Oven @70oC ✓ | A19K246 | 05/12/20 | TOC 10k ppm secondary ✓ | | | |
| A19J023 | 11/30/23 | Wet Chem Balance 4 ✓ | | | | | | |
| A19I145 | 05/30/22 | TOC Soil Blank Matrix ✓ | | | | | | |
| A19L107 | 06/06/20 | 10% Phosphoric Acid ✓ | | | | | | |

Prepared By: MAS Date: 4/21/20

Reviewed By: _____ Date: _____

Batch 0040469

TOC PSEP preweigh

Analyst MAS

| Date/Time: | 4-16-20/1603 | 4-17-20/1016 | 4-17-20/11-45 | | Effervesces? | Comments |
|-------------------------|--------------|--------------|---------------|---------|--------------|-----------------------|
| T(°C) IN / OUT: | 71.2 / 68.7 | 70.0 / 69.5 | 70.0 / 72.0 | 1 | | |
| Sample ID | Wt 1(g) | Wt 2(g) | Wt 3(g) | Wt 4(g) | (yes/no) ✓ | |
| A0D0207-01 | 8.2045 | 8.2035 ✓ | | | N | |
| 0040469-DUP3 | 9.6825 | 9.6783 ✓ | | | N | A0D0207-01 |
| A0D0207-02 | 9.5282 | 9.5203 | 9.5187 ✓ | | N | |
| A0D0207-03 | 6.7436 | 6.7412 ✓ | | | N | |
| A0D0207-04 | 9.9417 | 9.9351 | 9.9311 ✓ | | N | |
| A0D0207-05 | 7.9245 | 7.9230 ✓ | | | N | |
| A0D0207-06 | 8.1461 | 8.1447 ✓ | | | N | |
| A0D0210-01 | 6.8424 | 6.8424 ✓ | | | N | |
| 0040469-DUP4 | 7.2460 | 7.2447 ✓ | | | N | A0D0210-01 |
| A0D0210-02 | 6.8072 | 6.8057 ✓ | | | N | |
| A0D0212-01 | 4.8970 | 4.8958 ✓ | | | N | |
| 0040469-DUP1 | 6.0347 | 6.0346 ✓ | | | N | A0D0212-01 |
| 0040469-DUP2 | | | | | | A0D0212-01 |
| A0D0212-02 | 4.9571 | 4.9553 ✓ | | | N | |
| A0D0212-03 | 6.4351 | 6.4352 ✓ | | | N | |
| A0D0212-04 | 6.0745 | 6.0753 ✓ | | | N | |
| A0D0212-05 | 6.7930 | 6.7941 ✓ | | | N | |
| A0D0212-06 | 7.5430 | 7.5389 ✓ | | | N | |
| A0D0212-07 | 6.8611 | 6.8582 ✓ | | | N | |
| A0D0212-08 | 6.5823 | 6.5800 ✓ | | | N | |
| A0D0212-09 | 7.6348 | 7.6303 ✓ | | | N | |
| | | | | | | |
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* First in oven @ 13:45 4/14/20 *

-MAS



ELEMENT SEQUENCE LOG

Apex Laboratories

APR 27 2020

Sequence: **0D17045**

Instrument: **TOC6**

Date: **04/17/20 16:11**

Calibration: **A0A0805 ✓**

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|--------|--------------------------------------|-----------------|----------|---------|---------|-----------|
| 1 | 0D17045-CCV1 | Soil | QC | QC | | | | A20B041 ✓ |
| 2 | 0D17045-CCB1 | Soil | QC | QC | | | | |
| 3 | 0040603-BLK1 | Soil | QC | QC | | 0040603 | | |
| 4 | 0040603-BS1 | Soil | QC | QC | | 0040603 | | |
| 5 | 0040465-BLK1 | Soil | QC | QC | | 0040465 | | |
| 6 | 0040465-BS1 | Soil | QC | QC | | 0040465 | | |
| 7 | A0D0196-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 8 | " | Soil | Total Organic Carbon - Soil (9060A) | (QC Source) | | 0040465 | | |
| 9 | 0040465-DUP1 | Soil | QC | QC | | 0040465 | | |
| 10 | 0040465-DUP2 | Soil | QC | QC | | 0040465 | | |
| 11 | A0D0196-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 12 | A0D0196-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 13 | A0D0196-04 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 14 | 0D17045-CCV2 | Soil | QC | QC | | | | A20B041 ✓ |
| 15 | 0D17045-CCB2 | Soil | QC | QC | | | | |
| 16 | A0D0205-01 | Soil | Total Organic Carbon - Soil (9060A) | (QC Source) | | 0040465 | | |
| 17 | " | Soil | Total Organic Carbon - Soil (5310 B) | " | 04/22/20 | 0040465 | | |
| 18 | 0040465-DUP3 | Soil | QC | QC | | 0040465 | | |
| 19 | A0D0205-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 20 | A0D0205-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 21 | A0D0205-04 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040465 | | |
| 22 | 0040469-BLK1 | Soil | QC | QC | | 0040469 | | |
| 23 | 0040469-BS1 | Soil | QC | QC | | 0040469 | | |
| 24 | A0D0207-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 25 | 0040469-DUP3 | Soil | QC | QC | | 0040469 | | |
| 26 | A0D0207-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 27 | 0D17045-CCV3 | Soil | QC | QC | | | | A20B041 ✓ |
| 28 | 0D17045-CCB3 | Soil | QC | QC | | | | |
| 29 | A0D0207-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 30 | A0D0207-04 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 31 | A0D0207-05 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 32 | A0D0207-06 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 33 | A0D0210-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 34 | 0040469-DUP4 | Soil | QC | QC | | 0040469 | | |
| 35 | A0D0210-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 36 | A0D0212-01 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 37 | 0040469-DUP1 | Soil | QC | QC | | 0040469 | | |
| 38 | 0040469-DUP2 | Soil | QC | QC | | 0040469 | | |
| 39 | 0D17045-CCV4 | Soil | QC | QC | | | | A20B041 ✓ |
| 40 | 0D17045-CCB4 | Soil | QC | QC | | | | |
| 41 | A0D0212-02 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 42 | A0D0212-03 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 43 | A0D0212-04 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 44 | A0D0212-05 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 45 | A0D0212-06 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 46 | A0D0212-07 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 47 | A0D0212-08 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 48 | A0D0212-09 | Soil | Total Organic Carbon - Soil (5310 B) | Anchor QEA, LLC | 04/22/20 | 0040469 | | |
| 49 | 0D17045-CCV5 | Soil | QC | QC | | | | A20B041 ✓ |
| 50 | 0D17045-CCB5 | Soil | QC | QC | | | | |

Sequence:

0D17045

Instrument:

TOC6

Date:

04/17/20 16:11

Calibration:

A0A0805

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

Data Entered By: MAS 4/21/20

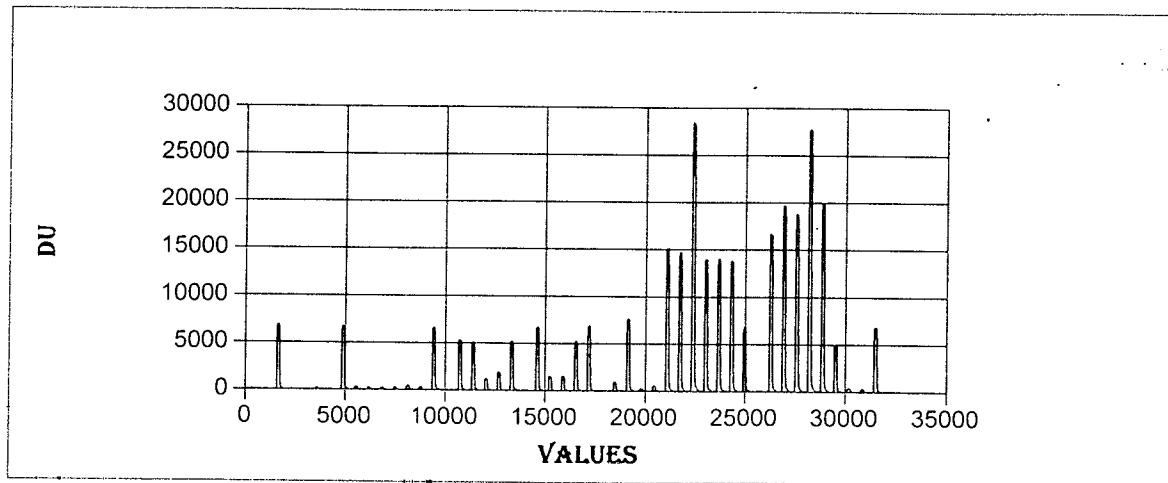
Comments:

Data Reviewed By: CMP 4/21/2020

Method: TC_DIRECT Run End Time: 4/17/2020 6:00:46 P
 Table: 0D17045 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200417A0

| Cup Position | Sample ID | Weight (mg) | Final Result (mg/kg) | Result mg C abs | Peak Area | Analysed Date and time |
|--------------|--------------|---------------|----------------------|-----------------|------------|------------------------|
| A99 | Prime | 200 | 82.175 | 0.016 | 7747.25 | 4/17/2020 6:01:07 PM |
| A2 | Blank | 200 | 34.957 | 0.007 | 2779.02 | 4/17/2020 6:12:01 PM |
| A1 | 0D17045-CCV1 | 200 | 9540.475 ✓ | 1.908 | 1002942.96 | 4/17/2020 6:22:55 PM |
| A2 | 0D17045-CCB1 | 200 | 50.341 ✓ | 0.01 | 4397.79 | 4/17/2020 6:33:42 PM |
| A3 | 0040603-BLK1 | 212 | 59.837 ✓ | 0.013 | 5774.615 | 4/17/2020 6:44:29 PM |
| A4 | 0040603-BS1 | 200 | 219.352 ✓ | 0.044 | 22180.97 | 4/17/2020 6:55:16 PM |
| A5 | 0040465-BLK1 | 213.3 | 61.206 ✓ | 0.013 | 5969.19 | 4/17/2020 7:06:03 PM |
| A6 | 0040465-BS1 | 200 | 9555.56 ✓ | 1.911 | 1004530.18 | 4/17/2020 7:16:50 PM |
| A7 | A0D0196-01 | 201.1 | 448.853 ✓ | 0.09 | 46588.655 | 4/17/2020 7:27:37 PM |
| A8 | 0040465-DUP1 | 204.2 | 334.949 ✓ | 0.068 | 35084.05 | 4/17/2020 7:38:24 PM |
| A9 | 0040465-DUP2 | 200.5 | 351.553 ✓ | 0.07 | 36183.56 | 4/17/2020 7:49:11 PM |
| A10 | A0D0196-02 | 205.1 | 381.035 ✓ | 0.078 | 40215.51 | 4/17/2020 7:59:58 PM |
| A11 | A0D0196-03 | 205.4 | 672.023 ✓ | 0.138 | 71719.82 | 4/17/2020 8:10:44 PM |
| A12 | A0D0196-04 | 204.2 | 433.607 ✓ | 0.089 | 45682.85 | 4/17/2020 8:21:31 PM |
| A13 | 0D17045-CCV2 | 200 | 9494.992 ✓ | 1.899 | 998157.19 | 4/17/2020 8:32:18 PM |
| A2 | 0D17045-CCB2 | 200 | 46.474 ✓ | 0.009 | 3990.86 | 4/17/2020 8:43:05 PM |
| A14 | A0D0205-01 | 200.2 | 7499.512 ✓ | 1.501 | 788983.33 | 4/17/2020 8:53:58 PM |
| A15 | 0040465-DUP3 | 201.2 | 7185.081 ✓ | 1.446 | 759646.09 | 4/17/2020 9:04:53 PM |
| A16 | A0D0205-02 | 201.1 | 1712.424 ✓ | 0.344 | 180271.955 | 4/17/2020 9:15:39 PM |
| A17 | A0D0205-03 | 203.3 | 2719.687 ✓ | 0.553 | 289986.14 | 4/17/2020 9:26:26 PM |
| A18 | A0D0205-04 | 204.4 | 7223.752 ✓ | 1.477 | 775900.68 | 4/17/2020 9:37:13 PM |
| A19 | 0040469-BLK1 | 210.3 | 73.148 ✓ | 0.015 | 7193.87 | 4/17/2020 9:48:00 PM |
| A20 | 0040469-BS1 | 200 | 9531.797 ✓ | 1.906 | 1002029.82 | 4/17/2020 9:58:47 PM |
| A21 | A0D0207-01 | 203.2 | 2127.412 ✓ | 0.432 | 226527.2 | 4/17/2020 10:09:34 PM |
| A22 | 0040469-DUP3 | 203.8 | 2159.865 ✓ | 0.44 | 230678.34 | 4/17/2020 10:20:21 PM |
| A23 | A0D0207-02 | 205.9 | 7251.539 ✓ | 1.493 | 784611.23 | 4/17/2020 10:31:08 PM |
| A24 | 0D17045-CCV3 | 200 | 9717.032 ✓ | 1.943 | 1021520.09 | 4/17/2020 10:41:55 PM |
| A2 | 0D17045-CCB3 | 200 | 52.563 ✓ | 0.011 | 4631.58 | 4/17/2020 10:52:42 PM |
| A25 | A0D0207-03 | 201.3 | 1353.923 ✓ | 0.273 | 142485.74 | 4/17/2020 11:03:36 PM |
| A26 | A0D0207-04 | 200.2 | 10895.509 ✓ | 2.181 | 1146665.05 | 4/17/2020 11:14:30 PM |
| A27 | A0D0207-05 | 202.7 | 355.592 ✓ | 0.072 | 37021.14 | 4/17/2020 11:25:17 PM |
| A28 | A0D0207-06 | 200.1 | 835.478 ✓ | 0.167 | 87053.23 | 4/17/2020 11:36:03 PM |
| A29 | A0D0210-01 | 108.5 | 39792.92 ✓ | 4.318 | 2270539.1 | 4/17/2020 11:46:50 PM |

| | | | | | | |
|-----|--------------|-------|-------------|-------|-------------|-----------------------|
| A30 | 0040469-DUP4 | 107.9 | 38787.968 ✓ | 4.185 | 2200931.28 | 4/17/2020 11:57:37 PM |
| A31 | A0D0210-02 | 201.2 | 40206.899 ✓ | 8.09 | 4255025.575 | 4/18/2020 12:08:24 AM |
| A32 | A0D0212-01 | 200.6 | 19830.5 ✓ | 3.978 | 2091911.76 | 4/18/2020 12:19:11 AM |
| A33 | 0040469-DUP1 | 202.6 | 19717.247 ✓ | 3.995 | 2100705.945 | 4/18/2020 12:29:58 AM |
| A34 | 0040469-DUP2 | 201.6 | 19520.285 ✓ | 3.935 | 2069442.755 | 4/18/2020 12:40:46 AM |
| A35 | 0D17045-CCV4 | 200 | 9743.152 ✓ | 1.949 | 1024268.47 | 4/18/2020 12:51:32 AM |
| A2 | 0D17045-CCB4 | 200 | 74.478 ✓ | 0.015 | 6937.4 | 4/18/2020 1:02:19 AM |
| A36 | A0D0212-02 | 204.5 | 23031.709 ✓ | 4.71 | 2477007.09 | 4/18/2020 1:13:12 AM |
| A37 | A0D0212-03 | 204.3 | 27346.544 ✓ | 5.587 | 2938348.62 | 4/18/2020 1:24:06 AM |
| A38 | A0D0212-04 | 202.5 | 26433.5 ✓ | 5.353 | 2815181.54 | 4/18/2020 1:34:53 AM |
| A39 | A0D0212-05 | 201.6 | 39238.474 ✓ | 7.91 | 4160774.535 | 4/18/2020 1:45:40 AM |
| A40 | A0D0212-06 | 203.1 | 27855.162 ✓ | 5.657 | 2975430.285 | 4/18/2020 1:56:27 AM |
| A41 | A0D0212-07 | 206.3 | 6928.22 ✓ | 1.429 | 751046.23 | 4/18/2020 2:07:14 AM |
| A42 | A0D0212-08 | 204.5 | 593.793 ✓ | 0.121 | 62985.11 | 4/18/2020 2:18:14 AM |
| A43 | A0D0212-09 | 202 | 483.666 ✓ | 0.098 | 50500.76 | 4/18/2020 2:29:08 AM |
| A44 | 0D17045-CCV5 | 200 | 9804.611 ✓ | 1.961 | 1030735.09 | 4/18/2020 2:40:02 AM |
| A2 | 0D17045-CCB5 | 200 | 58.127 ✓ | 0.012 | 5216.93 | 4/18/2020 2:50:56 AM |

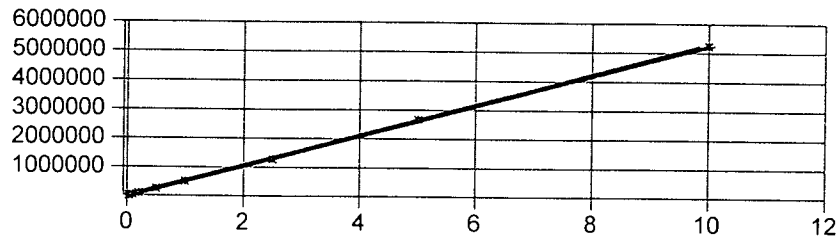


SNACCESS

RUN NAME : SN10020200108A1 METHOD NAME : TCDIRECT CALIBRATION TYPE : ISO

FIRST ORDER GROUP : 1

A = -899.10605459823300 B = 526096.46424181900000 R = 0.99994117364848 R-SQUARED = 0.99988235075750



**Conventional Chemistry Parameters
Calibration Data**

Sequence 0A08052 (Cal ID A0A0805) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

JAN 13 2020

Sequence: 0A08052

Instrument: TOC6

Date: 01/08/20 16:29

Calibration: A0A0805

| # | Lab Number | Matrix | Analysis | Client | Due | Batch | ISTD ID | STD ID |
|----|--------------|----------|----------|--------|-----|-------|---------|---------|
| 1 | 0A08052-CAL1 | Sediment | QC | QC | | | | |
| 2 | 0A08052-CAL2 | Sediment | QC | QC | | | | A20A053 |
| 3 | 0A08052-CAL3 | Sediment | QC | QC | | | | A20A054 |
| 4 | 0A08052-CAL4 | Sediment | QC | QC | | | | A20A056 |
| 5 | 0A08052-CAL5 | Sediment | QC | QC | | | | A20A057 |
| 6 | 0A08052-CAL6 | Sediment | QC | QC | | | | A20A058 |
| 7 | 0A08052-CAL7 | Sediment | QC | QC | | | | A20A059 |
| 8 | 0A08052-CAL8 | Sediment | QC | QC | | | | A20A060 |
| 9 | 0A08052-CAL9 | Sediment | QC | QC | | | | A20A061 |
| 10 | 0A08052-ICV1 | Sediment | QC | QC | | | | A19K246 |
| 11 | 0A08052-ICB1 | Sediment | QC | QC | | | | |

Data Entered By: *CLM* 1/9/2020

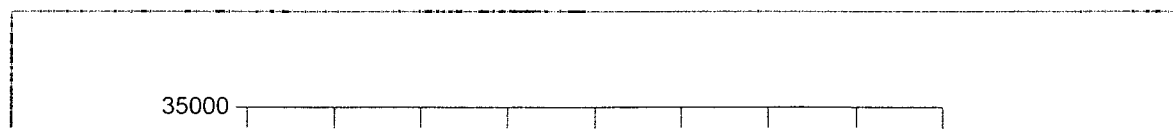
Comments: *SKalar ID SAN10020200108A1*
aw
1/9/2020

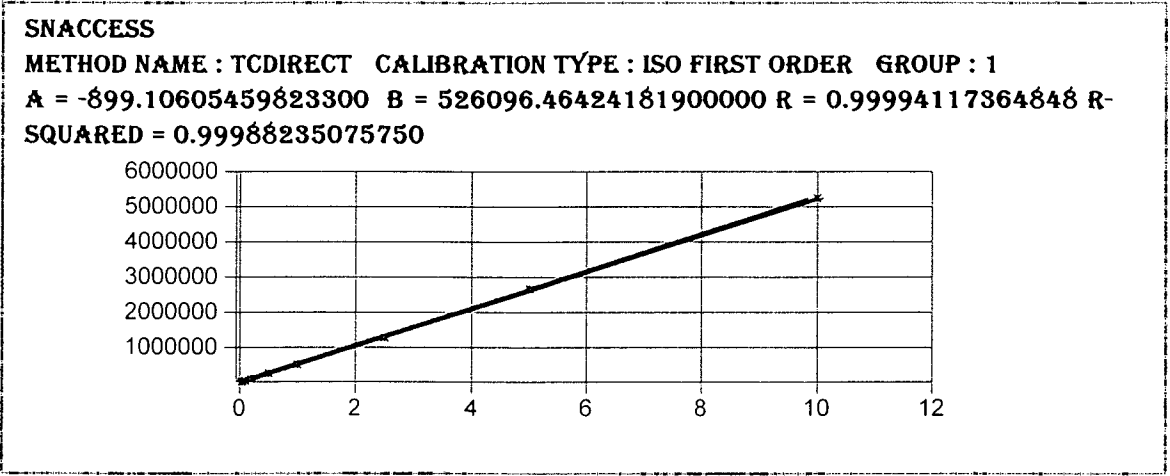
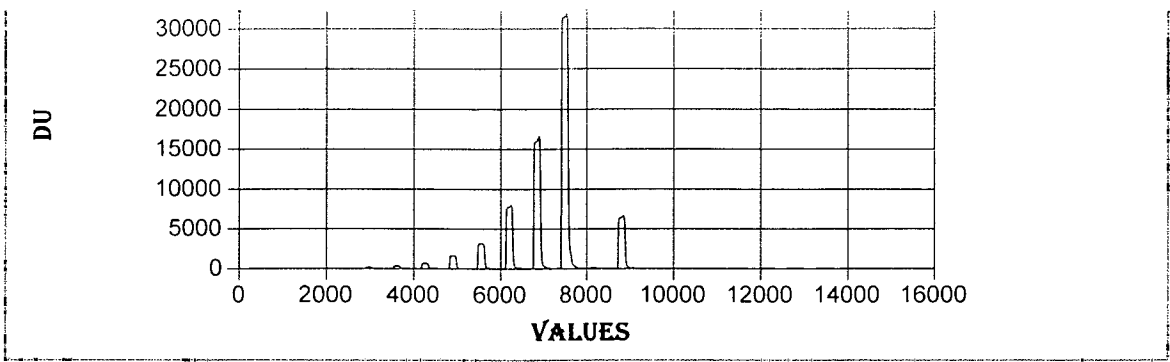
Data Reviewed By: *DMF* 1/10/20

Method: TCDirect Run Start Time: 1/8/2020 6:15:14 PM
 Method Type: TC_DIRECT Run End Time: 1/8/2020 10:40:22 P
 Table: 0A08052 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200108A1

| Cup Position | Sample ID | Weight (mg) | Final Result (mg/kg) | Result mg C abs | Peak Area | Analysed Date and time |
|--------------|--------------|---------------|----------------------|--------------------|------------|------------------------|
| A98 | prime | 200 | 32.359 | 0.006 | 2505.73 | 1/8/2020 6:15:28 PM |
| A1 | blank | 200 | 8.545 | 0.002 | 0 | 1/8/2020 6:26:29 PM |
| A11 | blank | 200 | 8.545 | 0.002 | 0 | 1/8/2020 6:37:23 PM |
| A1 | 0A08052-CAL1 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 6:48:17 PM |
| A2 | 0A08052-CAL2 | 40 | 1132.086 | 0.045/0.0002 = 225 | 22924.35 | 1/8/2020 6:59:11 PM |
| A3 | 0A08052-CAL3 | 100 | 1063.227 | 0.106 = 590 | 55036.88 | 1/8/2020 7:09:58 PM |
| A4 | 0A08052-CAL4 | 200 | 1039.388 | 0.208 = 1040 | 108464.545 | 1/8/2020 7:20:45 PM |
| A5 | 0A08052-CAL5 | 50 | 10075.077 | 0.504 = 2520 | 264124.015 | 1/8/2020 7:31:32 PM |
| A6 | 0A08052-CAL6 | 100 | 9827.481 | 0.983 = 4915 | 516121.2 | 1/8/2020 7:42:18 PM |
| A7 | 0A08052-CAL7 | 250 | 9761.05 | 2.44 = 12200 | 1282914.36 | 1/8/2020 7:53:05 PM |
| A8 | 0A08052-CAL8 | 500 | 10150.088 | 5.075 = 25375 | 2669063.5 | 1/8/2020 8:03:52 PM |
| A9 | 0A08052-CAL9 | 1000 | 9978.708 | 9.979 = 49895 | 5248863.92 | 1/8/2020 8:14:39 PM |
| A97 | 0A08052-IBL1 | 200 | 175.463 | 0.035 | 17562.96 | 1/8/2020 8:25:25 PM |
| A10 | 0A08052-ICV1 | 200 | 10013.587✓ | 2.003✓ | 1052723.4 | 1/8/2020 8:36:26 PM |
| A11 | 0A08052-ICB1 | 200 | 64.139✓ | 0.013✓ | 5849.56 | 1/8/2020 8:47:20 PM |
| A2 | clean2 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 8:58:06 PM |
| A3 | clean3 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 9:09:00 PM |
| A4 | clean4 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 9:19:46 PM |
| A5 | clean5 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 9:30:33 PM |
| A6 | clean6 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 9:41:20 PM |
| A7 | clean7 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 9:52:06 PM |
| A8 | clean8 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 10:02:53 PM |
| A9 | clean9 | 200 | 49.259 | 0.01 | 4283.87 | 1/8/2020 10:13:40 PM |
| A10 | clean10 | 200 | 8.545 | 0.002 | 0 | 1/8/2020 10:24:26 PM |

Handwritten notes in the table:
 = 225
 = 590
 = 1040
 = 2520
 = 4915
 = 12200
 = 25375
 = 49895
 1/9/2020





**Total Solids/Percent Dry Weight by SM2540G/8000C
Benchsheet Data**

Batch 0040460 (A0D0212-01,02,03,04,05,06,07,08,09)



Apex Laboratories
PREPARATION BENCH SHEET

APR 22 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0040460 (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 |
|--------------|------------------------|--------------|--------------------|--------------------|--------------|------------------------|------------------------|-----------------|---|
| A0D0210-01 | Dry Weight | | 04/14/20 11:06 | | 1.2740 ✓ | 27.2847 ✓ | 17.3655 ✓ | 61.9 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0210-01 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2740 ✓ | 27.2847 ✓ | 17.3655 ✓ | 61.9 ✓ | Use Results for Dry Weight (Not for Waters) |
| 0040460-DUP2 | QC | A0D0210-01 | 04/14/20 11:06 | | 1.2592 ✓ | 28.2164 ✓ | 17.7772 ✓ | 61.3 ✓ | |
| A0D0210-02 | Dry Weight | | 04/14/20 11:06 | | 1.2719 ✓ | 28.8109 ✓ | 17.3002 ✓ | 58.2 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0210-02 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2719 ✓ | 28.8109 ✓ | 17.3002 ✓ | 58.2 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-01 | Dry Weight | | 04/14/20 11:06 | | 1.2661 ✓ | 28.2496 ✓ | 16.5679 ✓ | 56.7 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-01 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2661 ✓ | 28.2496 ✓ | 16.5679 ✓ | 56.7 ✓ | Use Results for Dry Weight (Not for Waters) |
| 0040460-DUP1 | QC | A0D0212-01 | 04/14/20 11:06 | | 1.2640 ✓ | 26.6518 ✓ | 15.5938 ✓ | 56.4 ✓ | |
| A0D0212-02 | Dry Weight | | 04/14/20 11:06 | | 1.2706 ✓ | 27.5082 ✓ | 14.7925 ✓ | 51.5 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-02 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2706 ✓ | 27.5082 ✓ | 14.7925 ✓ | 51.5 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-03 | Dry Weight | | 04/14/20 11:06 | | 1.2654 ✓ | 28.5084 ✓ | 18.1733 ✓ | 62.1 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-03 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2654 ✓ | 28.5084 ✓ | 18.1733 ✓ | 62.1 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-04 | Dry Weight | | 04/14/20 11:06 | | 1.2705 ✓ | 29.7009 ✓ | 18.8455 ✓ | 61.8 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-04 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2705 ✓ | 29.7009 ✓ | 18.8455 ✓ | 61.8 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-05 | Dry Weight | | 04/14/20 11:06 | | 1.2732 ✓ | 28.6184 ✓ | 17.7538 ✓ | 60.3 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-05 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2732 ✓ | 28.6184 ✓ | 17.7538 ✓ | 60.3 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-06 | Dry Weight | | 04/14/20 11:06 | | 1.2776 ✓ | 28.0662 ✓ | 18.1099 ✓ | 62.8 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-06 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2776 ✓ | 28.0662 ✓ | 18.1099 ✓ | 62.8 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-07 | Dry Weight | | 04/14/20 11:06 | | 1.2663 ✓ | 29.8554 ✓ | 23.5104 ✓ | 77.8 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-07 | Solids, Total (SM 254) | | 04/14/20 11:06 | | 1.2663 ✓ | 29.8554 ✓ | 23.5104 ✓ | 77.8 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-08 | Dry Weight | | 04/14/20 11:06 | | 1.2634 ✓ | 29.1608 ✓ | 22.6679 ✓ | 76.7 ✓ | Use Results from TS.. Make NR once completed. |

Prepared By: MAS Date: 4/17/20

Reviewed By: [Signature] Date: 4/17/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0040460 (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 |
|------------|-----------------------|--------------|-----------------------|-----------------------|--------------|---------------------------|---------------------------|--------------------|---|
| A0D0212-08 | Solids, Total (SM 254 | | 04/14/20 11:06 | | 1.2634 ✓ | 29.1608 ~ | 22.6679 ✓ | 76.7 ✓ | Use Results for Dry Weight (Not for Waters) |
| A0D0212-09 | Dry Weight | | 04/14/20 11:06 | | 1.2719 ~ | 28.5311 ~ | 22.1156 ~ | 76.5 ✓ | Use Results from TS.. Make NR once completed. |
| A0D0212-09 | Solids, Total (SM 254 | | 04/14/20 11:06 | | 1.2719 ✓ | 28.5311 ✓ | 22.1156 ✓ | 76.5 ✓ | Use Results for Dry Weight (Not for Waters) |

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Balance Checksheets

Extractions April 2020
Dry Weight April 2020
Wet Chem April 2020

Balance Challenge Log

Extractions
 AND FX-2000
 D# 5210177

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

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

Month: April
 Year: 2020

Alternate Weight/ID used:

Date Range:

1000143396 300g
7170 0.5g

4/2/2020
4/2/2020

JCS 4/1/2020

| Day/Time | Initials | Weight One | Observed | Weight Two | Observed |
|----------------|----------|------------|----------|------------|----------|
| 1 10:35 | CWH | | 0.50 | | 300.00 |
| 2 09:36 | PTJ | | 0.51 | | 299.99 |
| 3 09:35 | JAG | | .51 | | 299.99 |
| 4 0 | | | | | |
| 5 | | | | | |
| 6 07:06 | CAH | | 0.51 | | 299.99 |
| 7 07:35 | PTJ | | 0.51 | | 300.00 |
| 8 07:36 | CAH | | 0.51 | | 300.00 |
| 9 07:50 | CAH | | 0.50 | | 299.98 |
| 10 07:23 | PTJ | | 0.51 | | 299.99 |
| 11 | | | | | |
| 12 | | | | | |
| 13 07:25 | CAH | | 0.50 | | 299.97 |
| 14 07:30 | CAH | | 0.51 | | 299.97 |
| 15 08:30 | JAG | | .49 | | 299.96 |
| 16 07:50 | PTJ | 0.50g | 0.50 | 300.00g | 299.97 |
| 17 07:25 | JAG | | 0.50 | | 299.99 |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |

Balance Challenge Log

Dry Weight Balance 5
 Radweg WTC 200
 ID# 643426

| Weight ID | weight (g) | acceptance range (g) | |
|------------------------|------------|----------------------|---------|
| | =<1g | ± 0.02g | |
| | >1g | ± 2% | |
| 10077 | 0.5g | 0.48 | 0.52 |
| 10077 and 02-J60965-11 | 100g | 98.000 | 102.000 |

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

Alternate Weight/ID used:

Date Range:

Month: April
 Year: 2020

100g | 10059 } 4/2/20
0.5g | 7170 }
JCS 4/1/2020

MEB 4/6/20

| Day/Time | Initials | Weight One | Observed | Weight Two | Observed |
|----------|--------------------------|------------|----------|------------|----------|
| 1 | | | | | |
| 2 | 0805 MEB | | 0.501 | | 100.149 |
| 3 | 0816 MEB | | 0.501 | | 100.148 |
| 4 | | | | | |
| 5 | | | | | |
| 6 | 0850 0750 MEB | | 0.501 | | 100.147 |
| 7 | 0825 MEB | | 0.499 | | 100.147 |
| 8 | 0710 MEB | | 0.501 | | 100.146 |
| 9 | 07120 JAG | | 0.501 | | 100.148 |
| 10 | 0750 MEB | | 0.500 | | 100.151 |
| 11 | | | | | |
| 12 | | | | | |
| 13 | 0833 MEB | | 0.502 | | 100.148 |
| 14 | 0710 MEB | | 0.501 | | 100.148 |
| 15 | 0710 MEB | | 0.500 | | 100.144 |
| 16 | 0715 JAG | 0.50g | 0.500 | 100.00g | 100.145 |
| 17 | 0715 MEB | | 0.499 | | 100.147 |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
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| 30 | | | | | |
| 31 | | | | | |

Balance Challenge Log

Vet Chem Balance 1
 Dhaus Adventurer Pro
 D# 8C30461093

Weight ID weight (g) acceptance range (g)
 <0.5000g ± 0.5mg
 >/=0.5000g ± 0.1%

1000015949 0.005g 0.0045 0.0055
 66067 0.100g 0.0995 0.1005
 66067 100g 99.9000 100.1000

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

Month: April
 Year: 2020

Alternate Weight/ID used: Date Range:
 100g 10659 } 4/2/2020
 0.1000g 92771 }
 0.005g 31045W } JCS 4/1/2020

| Day/Time | Initials | Weight 1 | Observed | Weight 2 | Observed | Weight 3 | Observed |
|----------|----------|-----------|----------|----------|----------|----------|----------|
| 1 1025 | MAS | | 99.9988 | | 0.0999 | | 0.0052 |
| 2 1005 | MAS | | 99.9990 | | 0.1000 | | 0.0050 |
| 3 1017 | MAS | | 99.9991 | | 0.1000 | | 0.0050 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 1126 | MAS | | 99.9989 | | 0.1000 | | 0.0050 |
| 7 1220 | MAS | | 99.9990 | | 0.0999 | | 0.0052 |
| 8 1026 | MAS | | 99.9991 | | 0.1000 | | 0.0048 |
| 9 1001 | MAS | | 99.9991 | | 0.1000 | | 0.0052 |
| 10 1039 | MAS | | 99.9990 | | 0.1002 | | 0.0051 |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 1012 | MAS | | 99.9984 | | 0.1000 | | 0.0050 |
| 14 0915 | WVD | | 99.9981 | | 0.1000 | | 0.0050 |
| 15 1122 | MAS | | 99.9985 | | 0.0998 | | 0.0050 |
| 16 1112 | MAS | 100.0000g | 99.9984 | 0.1000g | 0.1000 | .0050g | 0.0048 |
| 17 1010 | MAS | | 99.9983 | | 0.0999 | | 0.0051 |
| 18 | | | | | | | |
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